Shell Oil Products US

November 30, 2004

Roseanna Garcia-LaGrille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Former Shell Service Station/Current KFC Restaurant**
2800 Telegraph Avenue
Oakland, California

Dear Ms. Garcia-LaGrille:

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

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

20945 S. Wilmington Ave. Carson, CA 90810 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

November 30, 2004

Roseanna Garcia-LaGrille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Groundwater Monitoring Report – Second and Third Quarter 2004**
And Site Investigation Report
Former Shell Service Station/Current KFC Restaurant
2800 Telegraph Avenue
Oakland, California
Incident No. 97093398
Fuel Leak Case No. RO0000009

Dear Ms. Garcia-LaGrille:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d. This document includes results from the second and third quarter of 2004 and also presents the results of site investigation activities performed at this site earlier this year. The work was performed in accordance with Alameda County Health Care Services Agency (ACHCSA) and San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) guidelines.

SITE LOCATION AND DESCRIPTION

The subject site is located on the northeast corner of Telegraph Avenue and 28th Street in Oakland, California (Figures 1 and 2). The site used to be a Shell service station, but the station was demolished in 1992. The site is currently operated as a fast-food restaurant (Kentucky Fried Chicken). A sensitive receptor survey performed in 2001 did not indicate the presence of any wells within ½ mile of the site. The nearest surface water bodies are Glen Echo Creek located ¼ mile east (upgradient) of the site and Lake Merritt located over ½ mile to the southeast of the site. Surrounding property use is primarily commercial.

SECOND AND THIRD QUARTER 2004 MONITORING ACTIVITIES

Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled all site wells and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a site vicinity/well location map (Figure 1), and a groundwater contour/chemical concentration map

Cambria
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for second quarter data (Figure 2) and third quarter data (Figure 3), both of which include a rose diagram of historical groundwater flow direction. As notified by our *First Quarter 2004 Groundwater Monitoring Report*, analyses included only total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX) and MTBE, since other analytes were not present in the site wells. Blaine's reports for the second and third quarter events, presenting the laboratory reports, are included as Appendices A and B, respectively.

PURPOSE AND INTENT OF INVESTIGATION

Following a request for case closure, the ACHCSA responded in a letter dated September 3, 2003 requesting additional groundwater monitoring and assessment of the role that utility conduits may be playing in plume migration. Cambria addressed the ACHCSA questions and comments in our November 7, 2003 *Agency Response and Utility Conduit Investigation Work Plan.* Since no response to this work plan had been received, Cambria contacted the ACHCSA, and discussed the scope of proposed work with Mr. Don Hwang. Pursuant to these discussions, Cambria modified the work plan by adding two additional borings in a facsimile correspondence to ACHCSA on April 10, 2004.

The intent of this work was to assess whether the utility conduits are playing a role in preferential migration of gasoline constituents from the subject site.

Cambria implemented our November 2003 work plan, as modified by the April 10, 2004 transmittal. Onsite borings HB-1 through HB-3 were installed during May 2004. The offsite borings proposed in the streets and near numerous utility conduits, were attempted in August 2004. None of the offsite borings could be completed because there were no locations that were clear enough to risk advancement with the air knife, hand auger, or other equipment. Instead, Cambria performed screening of utility vault boxes using field screening equipment to assess whether petroleum vapors were present in the utility vault boxes. The results of the May and August activities are presented below.

INVESTIGATION ACTIVITIES

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

Permits: Drilling permit number W04-0419 was obtained from Alameda County Public Works Agency and an excavation permit (# X0401855) was obtained from the City of Oakland for work performed in the public right-of-way. These permits are included in Appendix C.

Utility Locator: In advance of performing the field activities, a private utility locating service was used to confirm the locations of utilities marked by Underground Service Alert (USA), to clear the boring locations and to identify subsurface utilities that were not marked by USA. Through these activities, numerous additional underground utilities were identified (Figures 4 and 5).

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

Drilling Dates: May 21 and August 3, 2004

Drilling Method: An air-knife, a hand auger, and a Geoprobe ® direct-push rig were employed to advance the borings.

Soil Sampling Method: At HB-1 through HB-3, soil types were logged using the Unified Soil Classification System and Munsell Soil Color Charts. Soil samples were collected at five-foot intervals for soil description, potential chemical analysis, and headspace analysis. Soil samples were screened for the presence of organic vapors using a photo-ionization detector (PID). The PID readings are recorded on the boring logs (Appendix D). Samples retained for chemical analyses were capped with Teflon ® sheets and tight-fitting end caps, labeled, logged onto a chain-of-custody form, and placed into a chilled cooler until deliver to the analytical laboratory.

Groundwater Sampling Method: Groundwater samples were collected from HB-1 through HB-3 by means of a Hydropunch® sampler. Groundwater was transferred from the sampling device into appropriate laboratory supplied containers. The containers were labeled, logged onto a chain-of-custody form, and placed in a chilled cooler until delivered to the analytical laboratory.

Number of Borings: Ten borings were proposed, and three borings were completed (HB-1 through HB-3). Borings HB-4 through HB-10 could not be installed due to the presence of multiple underground utilities located beneath both Telegraph Avenue and 28th Street. Although our intention was to install borings as close as possible to the storm drain lateral and main line, there were so many other utilities (including gas lines, telephone lines, cable service, electrical lines, and unidentified lines) that Cambria deemed it unsafe to advance any of these borings. For the borings that were completed, the boring specifications are described in Table 1. The locations of the completed and attempted borings are shown on Figure 4.

Boring Depths: Borings HB-1 through HB-3 were extended to depths of 16, 18, and 14 feet below grade (fbg), respectively.

Groundwater Depths: During drilling activities, groundwater was observed at approximately 10 to 12 fbg.

Soil Types: Soil types encountered during drilling consisted of clayey and sandy silt (ML) from beneath the asphalt or concrete to depths of 4.5 to 8 fbg. Beneath the silt layer was silty sand (SM) and gravelly sand (SP) to the total depth explored of 18 fbg. The soil types are described on the boring logs in Appendix D.

Chemical Analyses: Selected soil samples were analyzed for TPHg, BTEX, MTBE, ethylene dibromide, and ethylene dichloride by EPA Method 8260. In addition, the groundwater samples were analyzed for the remaining fuel oxygenates: di-isopropyl ether, ethyl tertiary butyl ether, tertiary amyl methyl ether, and tertiary butyl alcohol, by EPA Method 8260.

Vault/Well Screening: Since borings HB-4 through HB-10 were unable to be completed due to safety concerns, direct assessment of the soil and groundwater conditions immediately adjacent to the storm drain and other utilities could not be performed. Instead, Cambria performed field screening of the air within utility vault boxes using the PID. As a comparison, Cambria also screened inside three of the monitoring well vault boxes, and also inside three well casings (SR-1, S-6, and S-8). At each location, the vault lid was opened just enough to allow for the insertion of the tip of the PID. The PID sampled the air within the vaults for approximately one minute at each location. The maximum PID measurements for each location were recorded. At the monitoring wells, after the vault box was screened, the monitoring well was opened, and the PID was used to screen vapors within the well casing in a similar manner as just described. The locations of the field screening measurements and results re depicted on Figure 5.

HYDROCARBON DISTRIBUTION IN SOIL

A total of thirteen soil samples from HB-1 through HB-3 were retained for chemical analyses. Benzene, MTBE, EDB, and EDC were not detected in any of the samples at detection limits ranging from 0.005 to 5.0 parts per million (ppm). TPHg was detected in six samples at concentrations ranging from 2.6 to 4,900 ppm; toluene was reported in three soil samples at a maximum concentration of 9.3 ppm; ethylbenzene was reported in six samples at a maximum concentration of 81 ppm; and xylenes were reported in eight samples at a maximum concentration of 490 ppm. The highest concentrations were reported in the 7 fbg sample collected in boring HB-3.

The soil laboratory analytical results are presented on Table 2, and TPHg, benzene, and MTBE concentrations are depicted on Figure 4. The complete laboratory reports with chain-of-custody forms are included in Appendix E.

HYDROCARBON DISTRIBUTION IN GROUNDWATER

Grab groundwater samples from borings HB-1 through HB-3 were submitted for chemical analyses. Benzene, MTBE, DIPE, ETBE, TAME, TBA, EDB, and EDC were not detected in any of these samples. TPHg was reported at concentrations up to 86,000 parts per billion (ppb); toluene was reported in two samples at 1,300 ppb; ethylbenzene was reported at concentrations up to 4,300 ppb; and xylenes were reported at concentrations up to 21,000 ppb. The maximum concentrations in groundwater were observed in the water sample collected from boring HB-3; with the sample from HB-1 exhibiting similar concentrations.

The groundwater laboratory analytical results are presented on Table 3, and TPHg, benzene, and MTBE concentrations are depicted on Figure 4. The complete laboratory reports with chain-of-custody forms are included in Appendix E.

HYDROCARBON VAPOR DISTRIBUTION IN UTILITY VAULT BOXES

Three utility vault boxes were accessible and screened for organic vapors. As shown on Figure 5, the storm drain, electrical, and natural gas vault boxes, and the storm drain drop inlet did not indicate the presence of any volatile constituents. Further, three monitoring well vault boxes and well casings were screened. None of the well vault boxes (SR-1, S-6, and S-8) contained detectable concentrations of vapors, nor did the air within the casings at SR-1 and S-6. The only detection was 13.8 parts per million by volume within the casing of well S-8.

CONCLUSIONS

Based on the results of the samples obtained from borings HB-1 through HB-3, there is residual impacted soil and groundwater beneath the southwest corner of this parcel. The impacted material is concentrated at the 7 foot depth at HB-3, and attenuates rapidly with depth. While elevated concentrations of TPHg, toluene, ethylbenzene, and xylenes are present in the onsite grab groundwater samples, the benzene has been depleted from the plume, indicating that it is from an old and degraded source of gasoline.

Depth to groundwater at this site ranges from 6 – 11 fbg historically, confirming that the water table intersects some utility lines, particularly at the upper end of its range. Although we were unable to collect specific soil and water samples adjacent to or beneath targeted utilities, historical site data shows that the groundwater flow direction is consistent regardless of the depth to water or season, and a review of historical isoconcentration contour maps for TPHg and

benzene show a consistent plume shape, regardless of the depth to groundwater or season. Seasonal increases in groundwater concentrations are most likely a function of shallow groundwater coming in contact with residual impacted soils. There is no evidence that the utility conduits are acting as preferential pathways of contaminant migration.

RECOMMENDATIONS

Groundwater monitoring wells S-1, S-5, S-10, and SR-1, have not indicated the presence of any chemical constituents monitored since their installation. Well S-4 has had only two quarters when very low gasoline concentrations were detected (June 1993 and September 2003). The groundwater flow direction has been consistent to the southwest for more than 14 years, and is not expected to change in the future. Further gradient evaluation is not warranted at this site. Based on the lack of impact to these wells and also the extremely consistent groundwater flow direction at this site, further gauging and sampling of these wells adds no value to the investigation or remediation activities at this former gasoline station site. **Therefore, Cambria recommends that wells S-1, S-4, S-5, S-10, and SR-1 be properly destroyed.**

To better assess the groundwater conditions on the southwest corner of the property, Cambria recommends that well S-3 be located and that it be repaired for use as a monitoring point, or properly destroyed. If it is destroyed, a new well should be installed at the approximate former location of well S-3 and should be monitored along with S-6 and S-8 on a semi-annual basis (high and low water table).

SCHEDULE

Cambria will implement these recommendations upon approval from the ACHCSA and receipt of appropriate permits. If no response is received within 60 days of this document, we will assume agency concurrence and will notify your office of our intent to initiate the work.

CLOSING

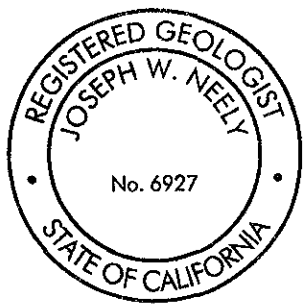
If you have any questions or comments concerning this submittal, please contact Ana Friel at (707) 442-2700.

Sincerely,

Cambria Environmental Technology, Inc.

for Susan Lukaszewicz
Staff Geologist

for
Ana Friel, RG
Senior Project Geologist
RG 6452



Attachments:

Table 1.	Boring/Well Data
Table 2.	Soil Analytical Data
Table 3.	Groundwater Analytical Data
Figure 1.	Site Vicinity/Well Location Map
Figure 2.	2Q04 Groundwater Contour/Chemical Concentration Map
Figure 3.	3Q04 Groundwater Contour/Chemical Concentration Map
Figure 4.	Soil Boring/Chemical Concentration Map
Figure 5.	Utility Vault Box Screening Results
Appendix A.	2Q04 - Blaine Tech Services – Groundwater Monitoring Report
Appendix B.	3Q04 - Blaine Tech Services – Groundwater Monitoring Report
Appendix C.	Permits
Appendix D.	Exploratory Boring Logs
Appendix E.	Certified Analytical Report

cc: Karen Petryna, Shell
Harmon Management Corp.

Table 1. Boring/Well Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Name	Type	Boring Date	Surface Elev (ft)	Total Depth (fbg)	Soil Sample Interval (ft)	Soil Sample Depth(fbg)	First Encountered GW Depth (fbg)	First Encountered GW Elev (ft)	Screen Diam. (in)	Screen Depth (fbg) Top	Screen Depth (fbg) Bottom	Comments
HB-1	3" Geoprobe boring	21-May-04	-	16	C	-	10	-	-	-	-	
HB-2	3" Geoprobe boring	21-May-04	-	18	C	-	12	-	-	-	-	
HB-3	3" Geoprobe boring	21-May-04	-	14	C	-	11	-	-	-	-	

Abbreviations and Notes:

C = Continuous

fbg = Feet below grade

Table 2. Soil Analytical Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	EDB (mg/kg)	EDC (mg/kg)
HB-1	5	21-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
HB-1	8	21-May-04	<50	<0.50	**1.4**	<0.50	**2.1**	<0.50	<0.50	<0.50
HB-1	10	21-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
HB-1	15	21-May-04	**510**	<0.50	**2.2**	**9.4**	**53**	<0.50	<0.50	<0.50
HB-2	5	21-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
HB-2	8	21-May-04	**16**	<0.025	<0.025	**0.34**	**0.46**	<0.025	<0.025	<0.025
HB-2	12	21-May-04	**2.6**	<0.0050	<0.0050	**0.020**	**0.030**	<0.0050	<0.0050	<0.0050
HB-2	15	21-May-04	<1.0	<0.0050	<0.0050	<0.0050	**0.0051**	<0.0050	<0.0050	<0.0050
HB-2	17.5	21-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
HB-3	5	21-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
HB-3	7	21-May-04	**4,900**	<5.0	**9.3**	**81**	**490**	<5.0	<5.0	<5.0
HB-3	11	21-May-04	**4.8**	<0.0050	<0.0050	**0.034**	**0.17**	<0.0050	<0.0050	<0.0050
HB-3	13.5	21-May-04	**120**	<0.50	<0.50	**2.3**	**12**	<0.50	<0.50	<0.50

Abbreviations:

fbg = Feet below grade

mg/kg = Milligrams per kilogram (parts per million)

<x = Not detected at reporting limit x.

The following constituents were analyzed by EPA Method 8260:

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

EDB = Ethylene dibromide

EDC = Ethylene dichloride

Table 3. Groundwater Analytical Data, Former Shell Service Station, 2800 Telegraph Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)	MTBE (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)	EDB (µg/l)	EDC (µg/l)
HB-1	10	21-May-04	**70,000**	<50	**1,300**	**3,200**	**15,000**	<50	<200	<200	<200	<500	<50	<50
HB-2	12	21-May-04	**2,500**	<2.5	<2.5	**110**	**200**	<2.5	<10	<10	<10	<25	<2.5	<2.5
HB-3	11	21-May-04	**86,000**	<50	**1,300**	**4,300**	**21,000**	<50	<200	<200	<200	<500	<50	<50

Abbreviations:

fbg = Feet below grade

µg/L = Micrograms per liter (parts per billion)

<x = Not detected at reporting limit x.

The following constituents were analyzed by EPA Method 8260:

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

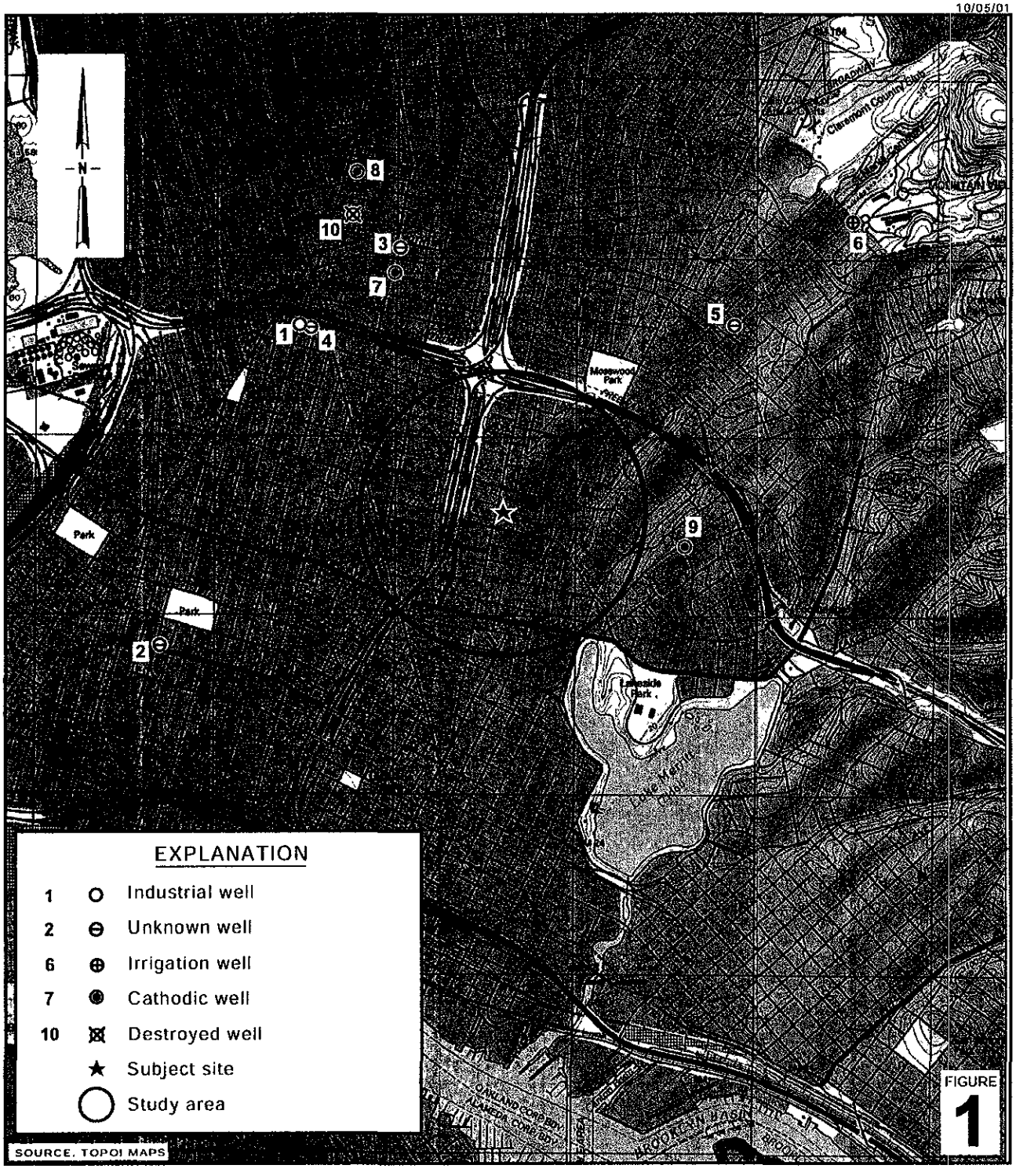
TAME = Tertiary amyl methyl ether

TBA = Tertiary butanol

EDB = Ethylene dibromide

EDC = Ethylene dichloride

10/05/01



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0 1/4 1/2 1 2

SCALE (MILES)

Former Shell Service Station / Current KFC Restaurant
2800 Telegraph Avenue
Oakland, California
Incident #97093398

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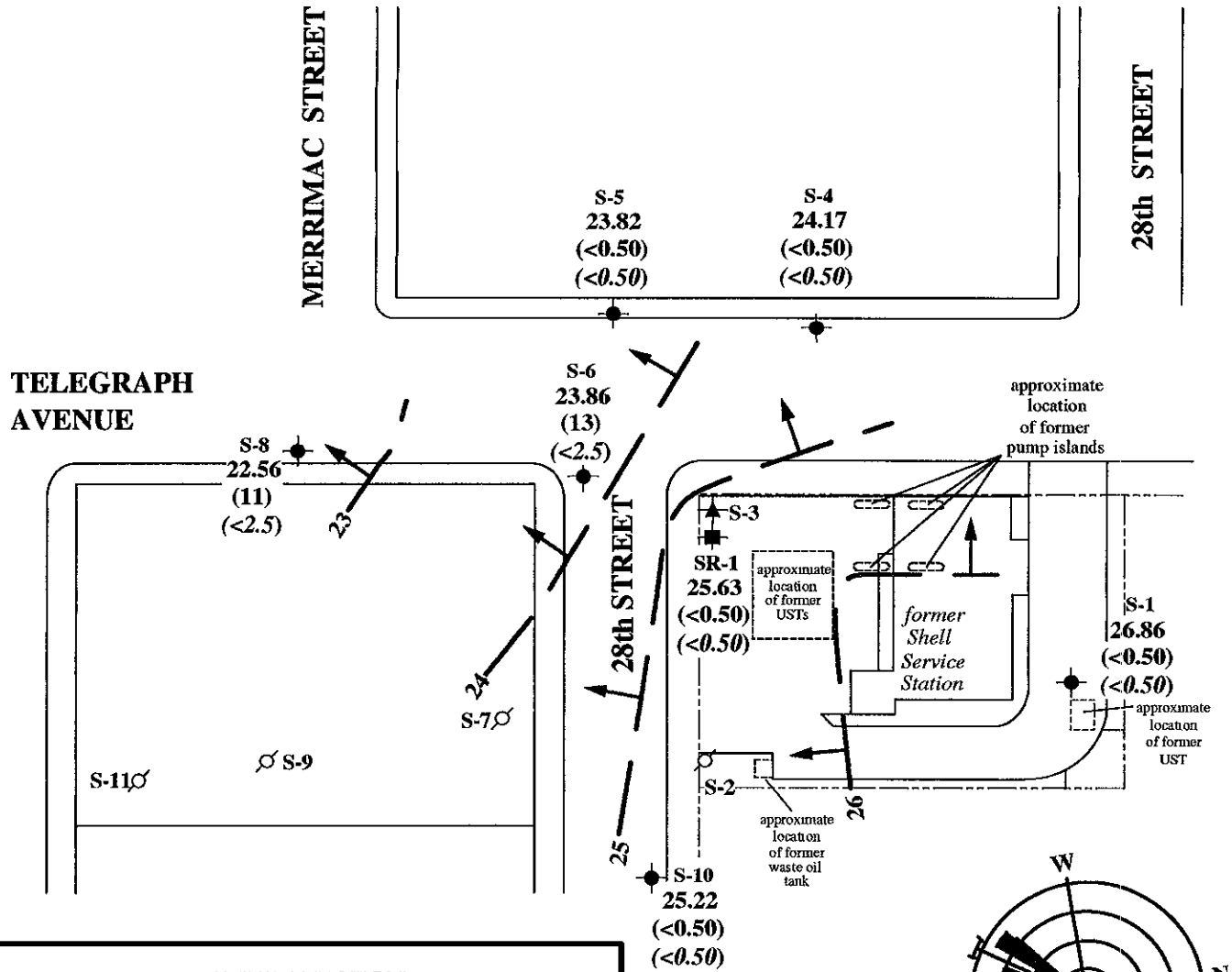
Site Vicinity / Well Location Map

(1/2 Mile Radius)



Groundwater Flow Direction
2Q89 to 3Q03

EXPLANATION

- Monitoring well location
- Destroyed monitoring well location
- Paved over monitoring well
- Recovery well location
- Groundwater elevation contour in feet referenced to mean sea level (ft msl). Arrows indicate approximate groundwater flow direction.
- **25.22** Groundwater elevation in ft msl
- **(<0.50)** Benzene concentration in parts per billion (ppb)
- ***(<0.50)*** MTBE concentration in ppb

Approximate hydraulic gradient = 0.02

Scale (ft)

0 30 60 120

FIGURE **2**

Base map taken from Weiss Associates Site Map

1507

Former Shell Service Station/
Current KFC Restaurant
2800 Telegraph Avenue
Oakland, California

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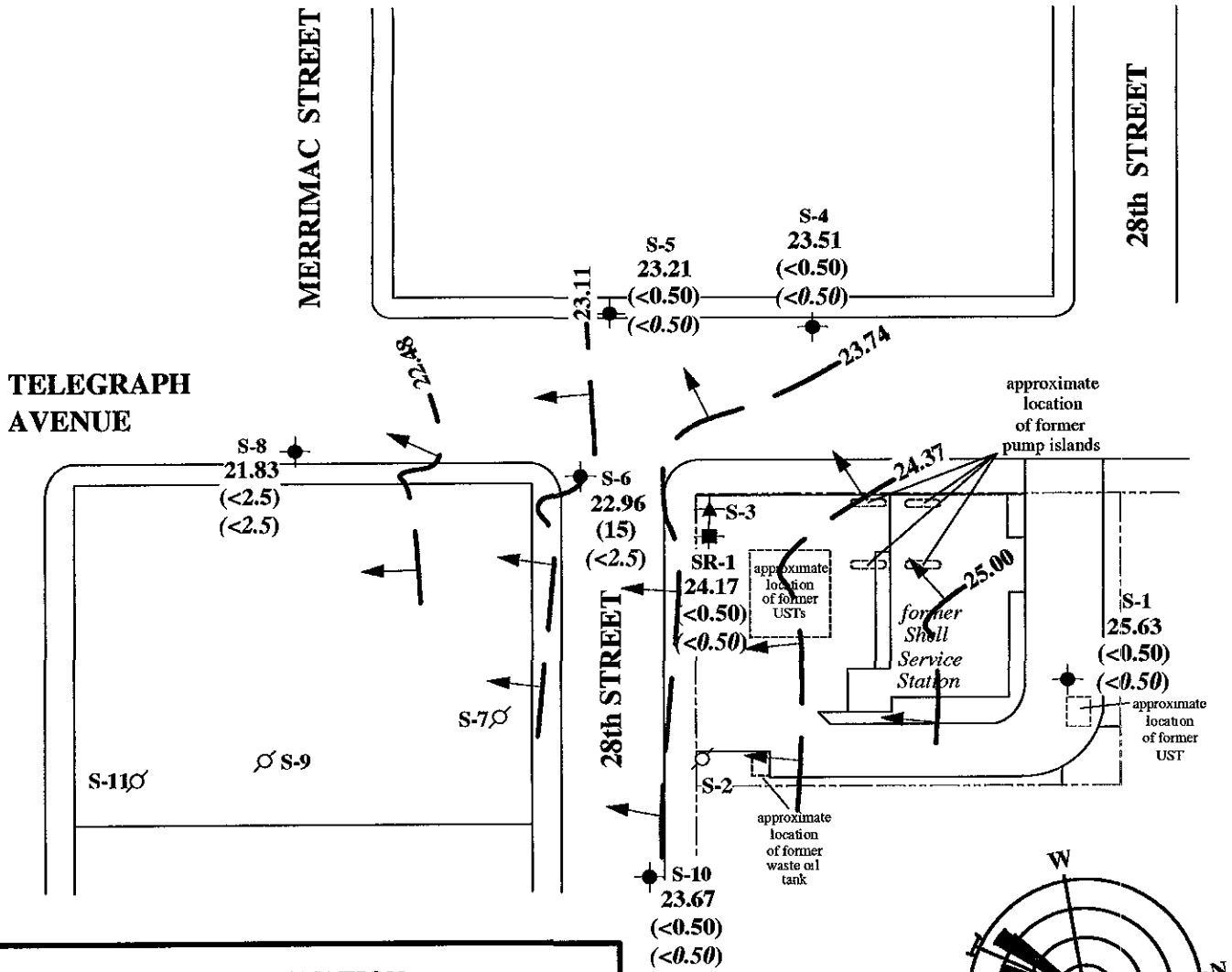
2Q04 - Groundwater Contour/
Chemical Concentration Map

April 21, 2004



EXPLANATION

- Monitoring well location
- Destroyed monitoring well location
- Paved over monitoring well
- Recovery well location
- Groundwater elevation contour in feet referenced to mean sea level (ft msl). Arrows indicate approximate groundwater flow direction.
- **25.63** Groundwater elevation in ft msl
- **(<0.50)** Benzene concentration in parts per billion (ppb)
- ***(<0.50)*** MTBE concentration in ppb

Approximate hydraulic gradient = 0.014

Groundwater Flow Direction
2Q89 to 3Q03

Scale (ft)
0 30 60 120

FIGURE
3

1507

Base map taken from Weiss Associates Site Map

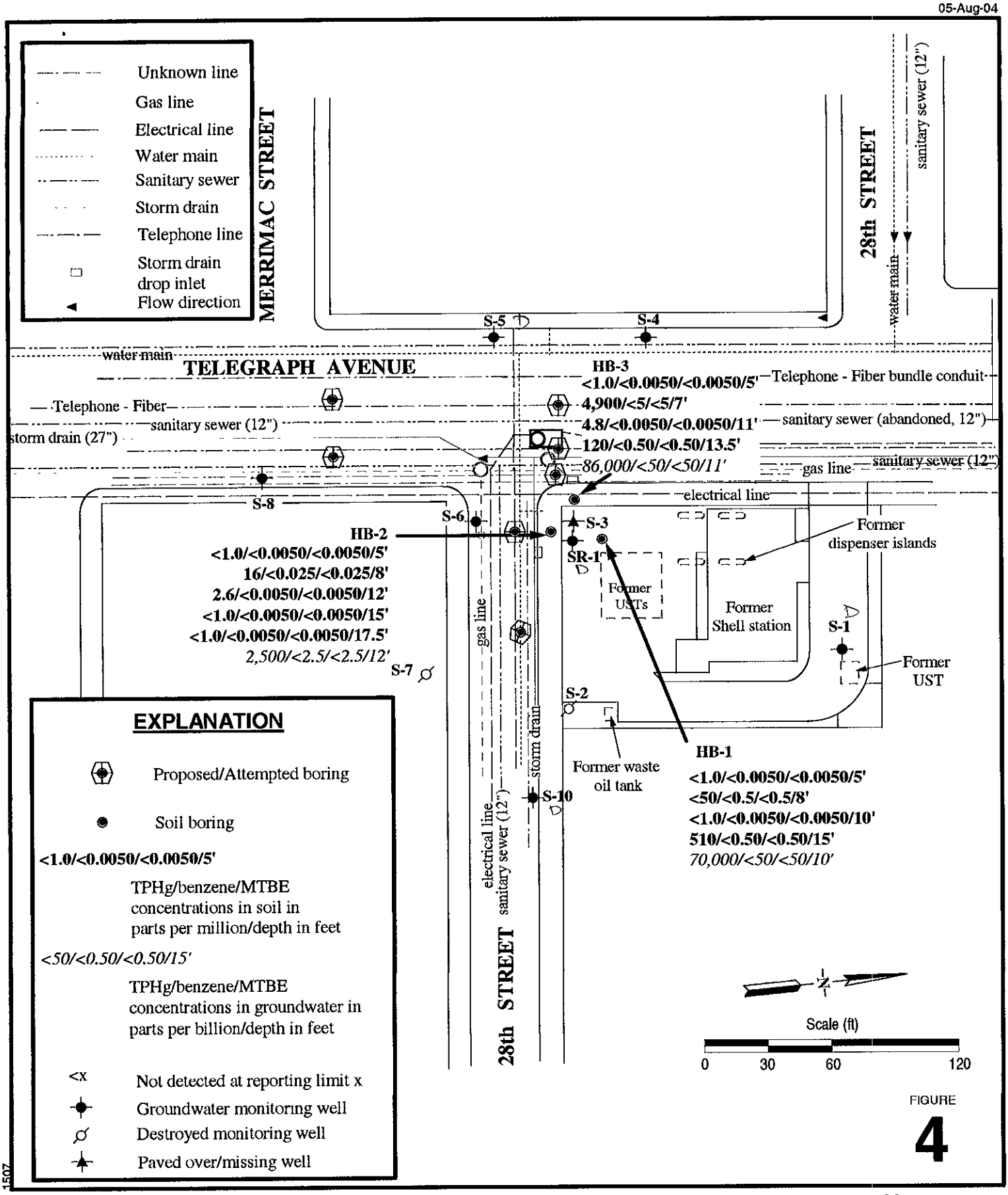
Former Shell Service Station/
Current KFC Restaurant
2800 Telegraph Avenue
Oakland, California

CAMBRIA

3Q04 - Groundwater Contour/ Chemical Concentration Map

August 12, 2004

05-Aug-04



FIGURE

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Former Shell Service Station
2800 Telegraph Avenue
Oakland, California

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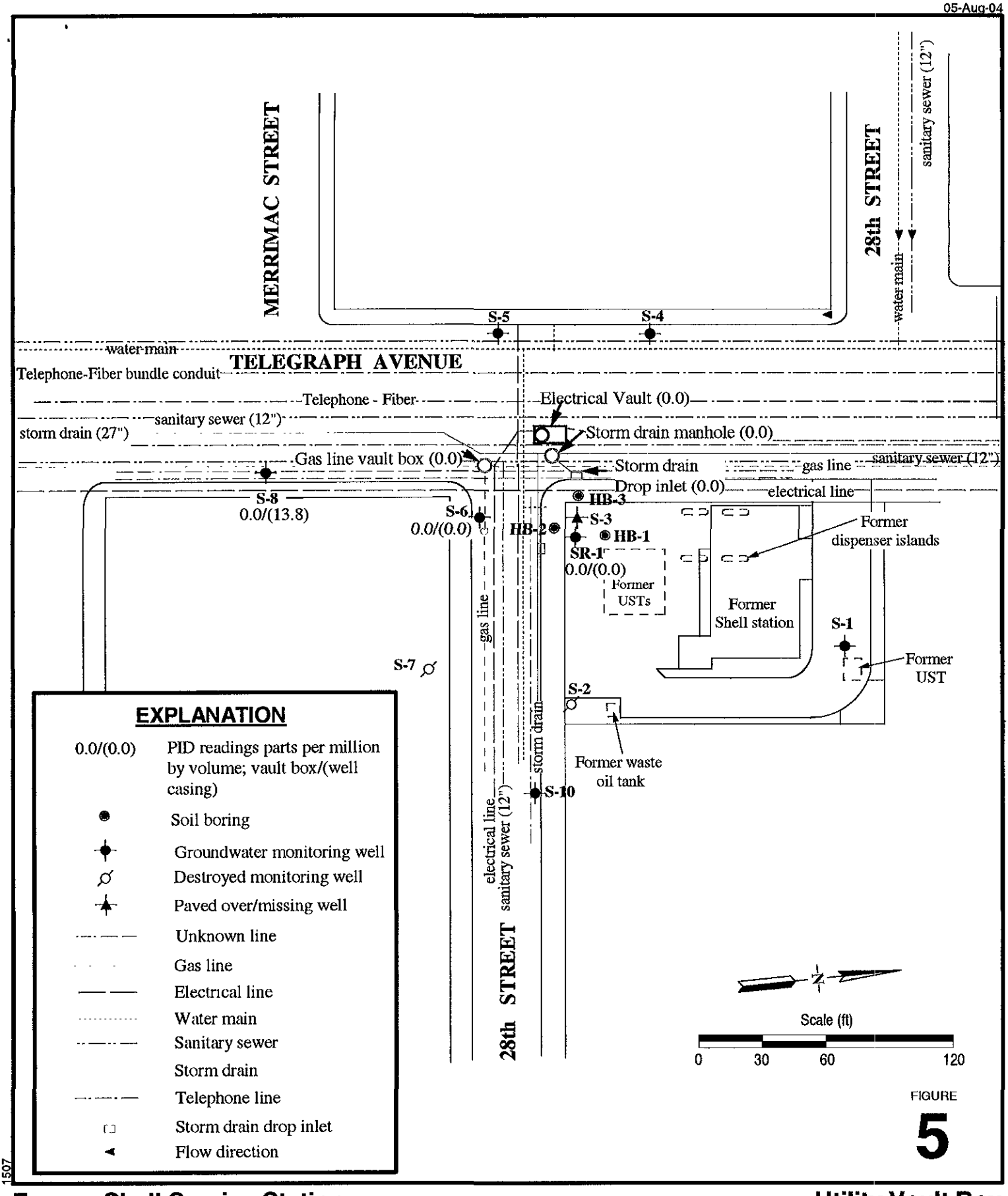
Soil Boring/Chemical Concentration Map
May/August 2004



EXPLANATION

0.0/(0.0)	PID readings parts per million by volume; vault box/(well casing)
●	Soil boring
⊕	Groundwater monitoring well
⌀	Destroyed monitoring well
⊕	Paved over/missing well
	Unknown line
	Gas line
	Electrical line
	Water main
	Sanitary sewer
	Storm drain
	Telephone line
	Storm drain drop inlet
	Flow direction

FIGURE

5

1507

Former Shell Service Station
2800 Telegraph Avenue
Oakland, California

CAMBRIA

Utility Vault Box Screening Results
August 2004

APPENDIX A

2Q04 - Blaine Tech Services
Groundwater Monitoring Report

BLAINE
TECH SERVICES, INC.

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

May 27, 2004

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

Second Quarter 2004 Groundwater Monitoring at
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

Monitoring performed on April 21, 2004

Groundwater Monitoring Report **040421-BA-1**

This report covers the routine monitoring of groundwater wells at this Former Shell 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
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-1	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9 50	25.81	NA
S-1	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10 85	24.46	NA
S-1	11/09/1992	<50	<0.5	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10 34	24 97	NA
S-1	02/23/1993	<50	<0.5	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.60	27 71	NA
S-1	06/07/1993	<50	2.8	1.3	0 7	3 0	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.63	26 68	NA
S-1	08/13/1993	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.20	26 11	NA
S-1	11/18/1993	<50	<0.5	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	10 58	24.73	NA
S-1	02/10/1994	<50	<0.5	<0.5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8 41	26.90	NA
S-1	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	9 09	26.22	NA
S-1	08/01/1994	<50	<0.5	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8 81	26 50	NA
S-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	9 32	25.99	NA
S-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	6 98	28.33	NA
S-1	08/02/1995	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9 35	25.96	NA
S-1	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.45	27.86	NA
S-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	8 91	26 40	NA
S-1	08/02/1996	<50	<0.50	<0.50	<0 50	<0 50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35 31	9 33	25.98	NA
S-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	10 11	25 20	NA
S-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	7 93	27 38	NA
S-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8 94	26 37	NA
S-1	07/01/1997	<50	<0.50	<0.50	<0 50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9 55	25.76	NA
S-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.43	25 88	NA
S-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.21	27 10	NA
S-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8 27	27 04	NA
S-1	07/02/1998	<50	<0.50	<0.50	<0.50	<0 50	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	35 31	8 97	26 34	NA
S-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	9 89	25.42	NA
S-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.45	26 86	NA
S-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	9 04	26 27	NA
S-1	07/09/1999	<50	<0.50	<0 50	<0.50	<0.50	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	35 31	9 11	26 20	NA
S-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 31	9.00	26.31	NA
S-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.31	28 00	NA
S-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8 85	26.46	NA
S-1	09/08/2000	<50 0	<0 500	<0.500	<0 500	<0 500	<2 50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.50	25.81	NA
S-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10 16	25.15	NA
S-1	03/09/2001	<50 0	<0.500	<0 500	<0.500	<0.500	<2 50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8 16	27 15	NA
S-1	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35 09	8.74	26.35	NA
S-1	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0 50	<2.0	<2.0	<2 0	<5.0	<0 50	<0.50	<50	35 09	8.79	26.30	NA
S-1	11/20/2003	<50	<0 50	<0 50	<0 50	<1 0	NA	<0.50	<2.0	<2.0	<2 0	<5 0	<0.50	<0.50	<50	35 09	8.43	26 66	NA
S-1	02/04/2004	<50	<0 50	<0 50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35 09	7 34	27.75	NA
S-1	**04/21/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.09**	**8.23**	**26.86**	**NA**
S-2	05/04/1992	1600	190	6.0	240	54	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 91	9.44	24.47	NA
S-2	08/10/1992	<50	4.1	<0 5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 91	10.73	23 18	NA

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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-2	09/11/1992	84	19	0 7	2.2	4 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	NA	NA	NA
S-2	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	10.29	23 62	NA
S-2	02/23/1993	16000	1600	480	850	1800	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	9.04	24.87	NA
S-2	04/08/1993	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.56	9.22	24.34	NA
S-3	08/10/1992	Well paved over		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.96	24.12	NA
S-4	08/10/1992	<50	<0 5	<0.5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.32	22.76	NA
S-4	11/09/1992	<50	<0.5	<0 5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11 29	22 79	NA
S-4	02/23/1993	<50	<0.5	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.82	24 26	NA
S-4	06/07/1993	50	9 2	5 5	3.3	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10 51	23.57	NA
S-4	08/13/1993	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34 08	11.05	23 03	NA
S-4	11/18/1993	<50	<0.5	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11 34	22.74	NA
S-4	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9 93	24.15	NA
S-4	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10 40	23.68	NA
S-4	08/01/1994	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34 08	10.68	23.40	NA
S-4	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.44	24.64	NA
S-4	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9 18	24.90	NA
S-4	08/02/1995	<50	<0 5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.62	23.46	NA
S-4	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9 23	24.85	NA
S-4	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.37	23.71	NA
S-4	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.69	23.39	NA
S-4	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.96	23.12	NA
S-4	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.37	24.71	NA
S-4	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.25	23.83	NA
S-4	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.60	23.48	NA
S-4	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.52	23.56	NA
S-4	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.79	24.29	NA
S-4	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.56	24.52	NA
S-4	07/02/1998	<50	<0.50	<0.50	<0 50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.51	23.57	NA
S-4	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11 01	23.07	NA
S-4	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34 08	10.53	23 55	NA
S-4	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.73	24 35	NA
S-4	07/09/1999	<50	<0 50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.48	23 60	NA
S-4	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.67	23.41	NA
S-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	8.99	25 09	NA
S-4	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.31	23 77	NA
S-4	09/08/2000	<50.0	<0 500	<0.500	<0.500	<0.500	<2 50	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.77	23.31	NA
S-4	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34 08	10.97	23 11	NA
S-4	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0 500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	34 08	8.21	25 87	NA

WELL CONCENTRATIONS
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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34 01	10.23	23.78	NA
S-4	09/29/2003	<50	<0.50	<0.50	1 9	2 6	NA	<0.50	<2 0	<2.0	<2.0	<5 0	<0 50	<0.50	<50	34.01	10 42	23 59	NA
S-4	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2 0	<2.0	<5 0	<0.50	<0.50	<50	34.01	10.14	23.87	NA
S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2 0	<2.0	<5 0	<0.50	<0.50	<50	34.01	9.41	24.60	NA
S-4	**04/21/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.01**	**9.84**	**24.17**	**NA**
S-5	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10 27	23 15	NA
S-5	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10 68	22 74	NA
S-5	11/09/1992	<50	<0 5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10 69	22 73	NA
S-5	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9 45	23 97	NA
S-5	06/07/1993	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10 23	23 19	NA
S-5	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.58	22.84	NA
S-5	11/18/1993	<50	<0 5	<0 5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.70	22.72	NA
S-5	02/10/1994	<50	<0.5	<0 5	<0 5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.75	23.67	NA
S-5	05/03/1994	<50	<0.5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 19	23.23	NA
S-5	08/01/1994	<50	<0.5	<0 5	<0 5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 30	23 12	NA
S-5	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	9.64	23.78	NA
S-5	02/03/1995	<50	<0.5	<0 5	<0 5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.59	23.83	NA
S-5	08/02/1995	<50	<0 5	<0 5	<0 5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 23	23 90	NA
S-5	02/02/1996	<50	<0.5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.51	23 91	NA
S-5	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 15	23 27	NA
S-5	08/02/1996	<50	<0 50	<0 50	<0 50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 30	23 12	NA
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 54	22.88	NA
S-5	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9 56	23 86	NA
S-5	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10 03	23.39	NA
S-5	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.19	NA
S-5	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.25	23 17	NA
S-5	01/07/1998	<50	<0.50	<0 50	<0.50	<0 50	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9 83	23.59	NA
S-5	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9 73	23.69	NA
S-5	07/02/1998	<50	<0.50	<0.50	<0.50	<0 50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10 04	23.38	NA
S-5	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.91	22.51	NA
S-5	01/12/1999	<50.0	<0 500	<0.500	<0 500	<0 500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.80	23.62	NA
S-5	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9 09	24.33	NA
S-5	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 05	23 37	NA
S-5	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10 30	23.12	NA
S-5	03/07/2000	<50 0	<0 500	<0.500	<0 500	<0 500	<2 50	NA	NA	NA	NA	NA	NA	NA	NA	33 42	9.11	24 31	NA
S-5	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10.11	23.31	NA
S-5	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0 500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33 42	10.37	23.05	NA
S-5	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.56	22.86	NA
S-5	03/09/2001	<50.0	<0.500	<0.500	<0 500	<0.500	<2 50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	7.93	25 49	NA
S-5	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.26	9 87	23.39	NA
S-5	09/29/2003	<50	<0 50	<0 50	<0 50	<1.0	NA	<0 50	<2.0	<2 0	<2.0	<5.0	<0.50	<0.50	<50	33.26	10.02	23.24	NA

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S-5	11/20/2003	<50	<0.50	<0.50	<0 50	<1 0	NA	<0.50	<2.0	<2.0	<2.0	<5 0	<0 50	<0.50	<50	33 26	9 77	23 49	NA
S-5	02/04/2004	<50	<0.50	<0.50	<0.50	<1 0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	9.28	23.98	NA
S-5	**04/21/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**33.26**	**9.44**	**23.82**	**NA**
S-6	05/04/1992	3100	640	22	23	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	9.42	23.17	NA
S-6	08/10/1992	3400	430	27	26	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	10.40	22.19	NA
S-6	11/09/1992	2000	320	15	15	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10 16	22.43	NA
S-6	02/23/1993	14000	780	180	380	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	7.60	24.99	NA
S-6	06/07/1993	3900	1400	56	83	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	8.90	23.69	NA
S-6	08/13/1993	4000a	890	16	<0.5	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	9.39	23.20	NA
S-6	11/18/1993	80	5.0	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.32	22.27	NA
S-6	02/10/1994	4100	370	23	21	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8 68	23 91	NA
S-6	05/03/1994	4700	550	28	85	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9 20	23 39	NA
S-6	08/01/1994	2900	370	11	11	43	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.90	23.69	NA
S-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.32	23.69	NA
S-6	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.04	23.69	NA
S-6	08/02/1995	1400	160	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9 26	23.19	NA
S-6	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7 90	24.69	NA
S-6	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	8 98	23 61	NA
S-6	08/02/1996	1600	150	9.2	13	23	17	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9 34	23 25	NA
S-6	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.96	22.63	NA
S-6	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.38	25.21	NA
S-6	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	9.16	23.43	NA
S-6	07/01/1997	<50	1.5	<0.50	<0.50	<0 50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32 59	9.60	22.99	NA
S-6	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.64	22.95	NA
S-6	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.34	24 25	NA
S-6	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.93	24 66	NA
S-6	07/02/1998	370	22	0.62	<0.50	<0 50	5.60	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.85	22.74	NA
S-6	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10 48	22.11	NA
S-6	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	9.63	22.96	NA
S-6	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9 08	23.51	NA
S-6	07/09/1999	52	2 3	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.33	23.26	NA
S-6	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	9.80	22.79	NA
S-6	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7 05	25 54	NA
S-6	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.05	23 54	NA
S-6	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9 65	22.94	NA
S-6	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	9.51	23.08	NA
S-6	03/09/2001	<50.0	<0.500	<0.500	<0 500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.14	25.45	NA
S-6	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	9.14	23.22	NA
S-6	09/29/2003	1700	13	4.6	<2.5	5.8	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	32.36	9 32	23 04	NA
S-6	11/20/2003	4500	45	14	36	28	NA	<1.0	<4.0	<4.0	<4.0	<10	<1 0	<1.0	<100	32.36	8.29	24.07	NA
S-6	02/04/2004	3700	41	14	9.1	38	NA	<2 5	<10	<10	<10	<25	<2 5	<2.5	<250	32.36	7.90	24 46	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-6	**04/21/2004**	**2800**	**13**	**6.9**	**5.0**	**12**	**NA**	**<2.5**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.36**	**8.50**	**23.86**	**NA**
S-6 (D)	08/01/1994	2600	340	8 8	7 7	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 59	NA	NA	NA
S-6 (D)	08/02/1995	1400	170	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	NA	NA	NA
S-7	05/04/1992	180	1.6	<0.5	1.5	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11 21	22.12	NA
S-7	08/10/1992	190	8.0	1.4	4.7	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.28	21 05	NA
S-7	11/09/1992	280	16	4.0	7.8	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.77	21 56	NA
S-7	02/23/1993	210	13	2.2	5.4	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.86	24.47	NA
S-7	*06/07/1993*	*90*	*1 2*	*2.5*	*1.0*	*<0 5*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*33.33*	*10.58*	*22.75*	*NA*
S-7	08/13/1993	140	4 0	0 8	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11 34	21.99	NA
S-7	11/18/1993	440	43	4 9	0 9	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12 00	21.33	NA
S-7	02/10/1994	250a	<0.5	<0 5	1.8	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9 88	23.45	NA
S-7	05/03/1994	130	<0.5	<0 5	<0 5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	08/01/1994	250	4 8	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.05	22.28	NA
S-7	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9 64	23.69	NA
S-7	02/03/1995	<50	<0.5	<0.5	<0 5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8 53	24.80	NA
S-7	08/02/1995	<50	<0.5	<0.5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11 10	22.23	NA
S-7	02/02/1996	480	2.2	2.4	7.9	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.58	24.75	NA
S-7	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10 41	22 92	NA
S-7	08/02/1996	300	20	2 2	3 8	7.9	21	11	NA	NA	NA	NA	NA	NA	NA	33 33	11.18	22.15	NA
S-7	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.12	21.21	NA
S-7	01/08/1997	850	16	6 3	20	59	<25	NA	NA	NA	NA	NA	NA	NA	NA	33 33	8.23	25.10	NA
S-7	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	07/01/1997	120	2.4	<0.50	2.9	2 6	3.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.40	21.93	NA
S-7	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11 50	21.83	NA
S-7	04/19/1999	<50.0	<0.500	<0 500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9 39	23.94	NA
S-7	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.15	22.18	NA
S-7	10/06/1999	216	5.04	<0.500	2.23	4 82	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.65	21.68	NA
S-7	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7 (D)	08/02/1996	340	22	2.2	4.4	8 9	20	NA	NA	NA	NA	NA	NA	NA	NA	33 33	NA	NA	NA
S-7 (D)	01/08/1997	840	15	<5.0	21	63	25	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-7 (D)	07/01/1997	120	2.4	<0.50	2.9	2 6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-8	05/04/1992	1600	20	420	96	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10 29	21 68	NA
S-8	08/10/1992	1500	19	37	60	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31 97	11 12	20 85	NA
S-8	11/09/1992	710	5 7	24	28	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10 71	21 26	NA
S-8	02/23/1993	3800	40	54	68	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	31 97	6.04	25 93	NA
S-8	06/07/1993	1200	13	19	65	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA
S-8	08/13/1993	1300	21	23	49	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.56	21.41	NA
S-8	11/18/1993	870	16	5.3	59	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.90	21.07	NA

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Former Shell Service Station
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S-8	02/10/1994	2400	11	55	120	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	31 97	9 53	22.44	NA
S-8	05/03/1994	3100	12	27	130	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA
S-8	08/01/1994	1500	20	18	39	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10.32	21 65	NA
S-8	11/08/1994	2100	22	38	73	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.25	22 72	NA
S-8	02/03/1995	4800	67	39	130	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.99	22 98	NA
S-8	05/04/1995	2600	31	23	71	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.22	22.75	NA
S-8	08/02/1995	1700	10	9.1	48	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10 36	21.61	NA
S-8	11/02/1995	1200	16	13	72	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10 72	21.25	NA
S-8	02/02/1996	7100	29	140	360	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.92	23.05	NA
S-8	05/04/1996	3500	13	27	110	400	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9 86	22.11	NA
S-8	08/02/1996	850	9.6	7 4	30	160	11	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10 30	21.67	NA
S-8	10/02/1996	980	<5 0	11	13	92	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.71	21.26	NA
S-8	01/08/1997	6400	88	48	190	500	<100	NA	NA	NA	NA	NA	NA	NA	NA	31 97	8 88	23.09	NA
S-8	04/17/1997	1700	23	7.4	34	50	74	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10.00	21.97	NA
S-8	07/01/1997	140	2.8	<0.50	<0.50	0.58	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10 40	21 57	NA
S-8	10/07/1997	300	2.7	0.63	4.6	8 4	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.50	21.47	NA
S-8	01/07/1998	110	1.2	<0.50	<0.50	1.6	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.27	22.70	NA
S-8	04/02/1998	4500	140	77	140	380	<12	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.31	22 66	NA
S-8	07/02/1998	330	4.2	0.79	1.7	2.3	4.8	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.48	22.49	NA
S-8	10/01/1998	52	0.76	<0.50	<0.50	0 70	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10 08	21.89	NA
S-8	01/12/1999	<50.0	<0 500	<0.500	<0.500	<0 500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10.50	21 47	NA
S-8	04/19/1999	3360	29.6	24.6	137	398	<100	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9 45	22.52	NA
S-8	07/09/1999	<50	<0.50	<0.50	<0.50	<0 50	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.25	21.72	NA
S-8	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0 500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10.70	21.27	NA
S-8	03/07/2000	16500	461	397	665	1240	229	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.45	23 52	NA
S-8	06/01/2000	317	4 05	0.943	0 595	1.08	29 9	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.03	21 94	NA
S-8	09/08/2000	330	2.14	1.45	7 21	16.5	39 9	<1.00b	NA	NA	NA	NA	NA	NA	NA	31.97	10 58	21 39	NA
S-8	11/29/2000	188	2.70	<0.500	2.43	1.44	7.27	<1 00b	NA	NA	NA	NA	NA	NA	NA	31.97	10 25	21.72	NA
S-8	03/09/2001	4110	80.1	23.0	90.6	95.0	70.4	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8 99	22.98	NA
S-8	09/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	31.97	10.67	21.30	NA
S-8	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	10.02	21 87	NA
S-8	09/29/2003	Well inaccessible			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	NA	NA	NA
S-8	10/03/2003	1700	<2.5	8 1	53	140	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	9 99	21.90	NA
S-8	11/20/2003	7100	110	33	150	290	NA	2 8	<10	<10	<10	<25	<2.5	<2.5	<250	31 89	9.14	22.75	NA
S-8	02/04/2004	4400	41	8.6	37	120	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	8.89	23.00	NA
S-8	**04/21/2004**	**3300**	**11**	**4.0**	**39**	**150**	**NA**	**<2.5**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**31.89**	**9.33**	**22.56**	**NA**
S-8 (D)	02/10/1994	2400	11	46	100	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/03/1994	3000	21	25	120	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	11/08/1994	2100	20	31	75	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/03/1995	3700	53	30	100	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1995	3300	38	26	89	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA

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S-8 (D)	08/02/1995	1200	15	13	70	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/02/1996	7800	33	160	400	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1996	5100	19	37	190	690	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	10/02/1996	1300	<5.0	10	28	180	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	04/17/1997	1600	25	7 4	30	43	34	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	01/07/1998	150	1.8	0.6	<0.50	2.2	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	07/02/1998	360	4.3	0 89	1 7	2.3	5 7	NA	NA	NA	NA	NA	NA	NA	NA	31 97	NA	NA	NA
S-9	05/04/1992	<50	<0.5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21 41	NA
S-9	08/10/1992	<50	<0 5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31 86	11 52	20 34	NA
S-9	11/09/1992	<50	<0 5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	31 86	11 02	20 84	NA
S-9	02/23/1993	<50	<0.5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8 00	23.86	NA
S-9	06/07/1993	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.07	21 79	NA
S-9	08/13/1993	140	<0 5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.92	20 94	NA
S-9	11/18/1993	170	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.19	20.67	NA
S-9	02/10/1994	140	<0.5	<0.5	<0 5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9 16	22.70	NA
S-9	05/03/1994	<50	<0.5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.03	21.83	NA
S-9	08/01/1994	<50	<0 5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.52	21.34	NA
S-9	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.08	22.78	NA
S-9	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.37	23.49	NA
S-9	08/02/1995	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.35	22.51	NA
S-9	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7 53	24.33	NA
S-9	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9 60	22.26	NA
S-9	08/02/1996	<50	<0.50	<0.50	<0 50	<0.50	12	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10 46	21.40	NA
S-9	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10 66	21.20	NA
S-9	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7.20	24.66	NA
S-9	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.96	21.90	NA
S-9	07/01/1997	<50	<0.50	<0 50	<0 50	<0.50	3 9	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10 64	21.22	NA
S-9	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.63	21.23	NA
S-9	04/19/1999	<50 0	<0.500	<0 500	<0.500	<0.500	<5 00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8 69	23.17	NA
S-9	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21.41	NA
S-9	10/06/1999	<50.0	<0.500	<0 500	<0.500	<0.500	<5 00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.90	20.96	NA
S-9	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	05/04/1992	<50	<0.5	<0 5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.54	24.41	NA
S-10	08/10/1992	<50	<0.5	<0 5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.43	22.52	NA
S-10	11/09/1992	<50	<0.5	<0.5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 95	9 14	23.81	NA
S-10	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.72	26.23	NA
S-10	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.08	24.87	NA
S-10	08/13/1993	<50	<0 5	<0 5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24.12	NA
S-10	11/18/1993	<50	<0.5	<0.5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9 46	23 49	NA
S-10	02/10/1994	<50	<0.5	<0.5	<0 5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7 41	25.54	NA

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S-10	05/03/1994	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.16	24.79	NA
S-10	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.29	24.66	NA
S-10	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7 02	25 93	NA
S-10	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.79	26.16	NA
S-10	08/02/1995	<50	<0 5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.30	24 65	NA
S-10	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6 49	26.46	NA
S-10	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.55	25.40	NA
S-10	08/02/1996	<50	<0.50	<0.50	<0.50	<0 50	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.25	23.70	NA
S-10	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.54	22 41	NA
S-10	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.47	26 48	NA
S-10	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7 78	25.17	NA
S-10	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24 12	NA
S-10	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8 89	24.06	NA
S-10	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.97	25.98	NA
S-10	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 95	6 96	25.99	NA
S-10	07/02/1998	<50	<0.50	<0.50	<0 50	<0.50	<2 5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10 41	22.54	NA
S-10	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	11.03	21.92	NA
S-10	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.33	22.62	NA
S-10	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 95	9.72	23.23	NA
S-10	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8 98	23.97	NA
S-10	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 95	9.15	23.80	NA
S-10	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.01	26.94	NA
S-10	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8 13	24.82	NA
S-10	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2 50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9 10	23 85	NA
S-10	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9 32	23.63	NA
S-10	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2 50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.54	26.41	NA
S-10	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.93	9.13	23.80	NA
S-10	09/29/2003	<50	<0.50	<0.50	<0 50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	9.26	23.67	NA
S-10	11/20/2003	<50	<0.50	<0.50	<0 50	<1.0	NA	<0 50	<2.0	<2.0	<2.0	<5.0	<0 50	<0 50	<50	32.93	7.15	25.78	NA
S-10	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2 0	<2.0	<2.0	<5.0	<0 50	<0.50	<50	32.93	6 80	26.13	NA
S-10	**04/21/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.93**	**7.71**	**25.22**	**NA**
S-11	05/04/1992	1500	55	32	57	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.99	20 79	NA
S-11	08/10/1992	750	29	13	43	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.92	19.86	NA
S-11	11/09/1992	4100	32	62	120	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.44	20.34	NA
S-11	02/23/1993	760	15	13	37	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7 30	23.48	NA
S-11	06/07/1993	1700	40	16	100	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9 51	21 27	NA
S-11	08/13/1993	60	0.9	<0.5	0.8	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	30 78	10.39	20 39	NA
S-11	11/18/1993	150	7 8	1 0	9.0	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	30 78	10.64	20 14	NA
S-11	02/10/1994	4400	53	19	160	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8 50	22 28	NA
S-11	05/03/1994	65	1.5	<0 5	0.53	0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9 42	21.36	NA
S-11	08/01/1994	240	18	6.7	6 9	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.12	20.66	NA

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S-11	11/08/1994	490	14	5.2	15	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	30 78	8 84	21 94	NA
S-11	02/03/1995	380	4.1	0.9	1.4	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30 78	7 12	23 66	NA
S-11	05/04/1995	110	1.3	<0.5	1 1	1 8	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7 96	22.82	NA
S-11	08/02/1995	230	22	11	13	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	30 78	9 88	20.90	NA
S-11	11/02/1995	200	26	10	10	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.10	20.68	NA
S-11	02/02/1996	110	2 9	1.0	2 6	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.33	23.45	NA
S-11	05/04/1996	<50	0.70	0.54	0.82	2.6	7.5	NA	NA	NA	NA	NA	NA	NA	NA	30 78	8 62	22 16	NA
S-11	08/02/1996	200	11	4.6	12	38	10	NA	NA	NA	NA	NA	NA	NA	NA	30 78	9 85	20 93	NA
S-11	10/02/1996	290	20	6.2	16	48	8.4	NA	NA	NA	NA	NA	NA	NA	NA	30 78	11.00	19 78	NA
S-11	01/08/1997	56	2.0	<0 50	1.0	5.8	5.2	NA	NA	NA	NA	NA	NA	NA	NA	30 78	6.20	24 58	NA
S-11	04/17/1997	<50	0.88	<0 50	<0.50	<0.50	3.2	NA	NA	NA	NA	NA	NA	NA	NA	30 78	8.81	21 97	NA
S-11	07/01/1997	610	50	5.9	24	110	3.1	NA	NA	NA	NA	NA	NA	NA	NA	30 78	10 47	20 31	NA
S-11	10/07/1997	440	43	3.0	13	110	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.32	20 46	NA
S-11	04/19/1999	<50.0	0.530	<0 500	<0 500	5 22	<5 00	NA	NA	NA	NA	NA	NA	NA	NA	30 78	8.31	22 47	NA
S-11	07/09/1999	53	2 3	<0.50	<0.50	8.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	30 78	9 19	21.59	NA
S-11	10/06/1999	1210	39 1	<10 0	26.4	139	<100	NA	NA	NA	NA	NA	NA	NA	NA	30 78	10.25	20.53	NA
S-11	NA	Well Abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-11 (D)	06/07/1993	1600	51	16	83	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	30 78	NA	NA	NA
S-11 (D)	08/13/1993	70	2.1	<0.5	0 9	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30 78	NA	NA	NA
S-11 (D)	10/07/1997	360	39	2.0	7 2	74	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30 78	NA	NA	NA
SR-1	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9 02	NA	NA
SR-1	08/10/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.29	NA	NA
SR-1	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.92	NA	NA
SR-1	02/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.64	NA	NA
SR-1	06/07/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 36	NA	NA
SR-1	08/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 96	NA	NA
SR-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 02	NA	NA
SR-1	02/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	05/03/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8 28	NA	NA
SR-1	08/01/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 98	NA	NA
SR-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 75	NA	NA
SR-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 20	NA	NA
SR-1	05/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.10	NA	NA
SR-1	08/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.31	NA	NA
SR-1	11/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.62	NA	NA
SR-1	02/02/1996	90	6.1	6.7	2 8	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	NA	NA
SR-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9 25	NA	NA
SR-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 18	NA	NA

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SR-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6 01	NA	NA
SR-1	07/01/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
SR-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9 22	NA	NA
SR-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 45	NA	NA
SR-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7 43	NA	NA
SR-1	07/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.87	NA	NA
SR-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 42	NA	NA
SR-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 24	NA	NA
SR-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.64	NA	NA
SR-1	07/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.40	NA	NA
SR-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9 30	NA	NA
SR-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.25	NA	NA
SR-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.59	NA	NA
SR-1	09/08/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.65	NA	NA
SR-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.78	NA	NA
SR-1	09/12/2001	NA	NA	NA	NA	NA	NA	<0 50	NA	NA	NA	NA	NA	NA	NA	NA	9.23	NA	NA
SR-1	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8 02	24 57	NA
SR-1	09/29/2003	<50	<0.50	<0.50	<0 50	<1.0	NA	<0.50	<2 0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	8.35	24 24	NA
SR-1	11/20/2003	<50	<0.50	<0 50	<0.50	<1.0	NA	<0 50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6 85	25.74	NA
SR-1	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0 50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6.58	26.01	NA
SR-1	**04/21/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.59**	**6.96**	**25.63**	**NA**
SR-1 (D)	11/18/1993	<50	<0 5	<0.5	<0.5	<0 5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260
EDB = 1,2-dibromomethane or ethlyene dibromide, analyzed by EPA Method 8260
TOC = Top of Casing Elevation
TOB = Top of Wellbox Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
ug/L = parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
D = Duplicate sample
NA = Not applicable

Notes:
a = Chromatogram pattern indicated the presence of an unidentified hydrocarbon.
b = This sample analyzed outside of EPA recommended hold time
Prior to September 18, 2003, depths to water and groundwater elevation referenced to Top of Box elevation.
Active wells surveyed July 29, 2002, by Virgil Chavez Land Surveying of Vallejo, CA

SEVERN TRENT STL

Submission#: 2004-04-0761

Blaine Tech Services, Inc.

May 06, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

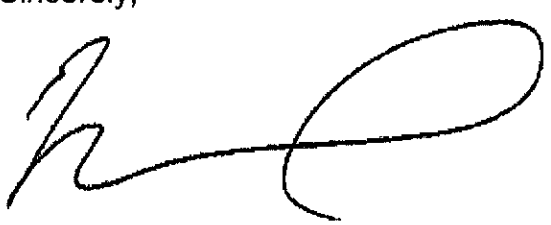
Project#: 040421-BA1
Project: 97093398
Site: 2800 Telegraph Ave., Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 04/22/2004 15:03
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 06/06/2004 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 STL

Submission #: 2004-04-0761

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	04/21/2004 09:12	Water	1
S-4	04/21/2004 10:45	Water	2
S-5	04/21/2004 12:11	Water	3
S-6	04/21/2004 11:50	Water	4
S-8	04/21/2004 11:25	Water	5
S-10	04/21/2004 10:15	Water	6
SR-1	04/21/2004 09:56	Water	7

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-1	Lab ID:	2004-04-0761-11
Sampled:	04/21/2004 09:12	Extracted:	5/4/2004 11:09
Matrix:	Water	QC Batch#:	2004/05/04-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/04/2004 11:09	
Benzene	ND	0.50	ug/L	1.00	05/04/2004 11:09	
Toluene	ND	0.50	ug/L	1.00	05/04/2004 11:09	
Ethylbenzene	ND	0.50	ug/L	1.00	05/04/2004 11:09	
Total xylenes	ND	1.0	ug/L	1.00	05/04/2004 11:09	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/04/2004 11:09	
Surrogate(s)						
1,2-Dichloroethane-d4	100.8	76-130	%	1.00	05/04/2004 11:09	
Toluene-d8	103.3	78-115	%	1.00	05/04/2004 11:09	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-4	Lab ID:	2004-04-0761 - 2
Sampled:	04/21/2004 10:45	Extracted:	5/4/2004 11:33
Matrix:	Water	QC Batch#:	2004/05/04-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/04/2004 11:33	
Benzene	ND	0.50	ug/L	1.00	05/04/2004 11:33	
Toluene	ND	0.50	ug/L	1.00	05/04/2004 11:33	
Ethylbenzene	ND	0.50	ug/L	1.00	05/04/2004 11:33	
Total xylenes	ND	1.0	ug/L	1.00	05/04/2004 11:33	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/04/2004 11:33	
Surrogate(s)						
1,2-Dichloroethane-d4	102.6	76-130	%	1.00	05/04/2004 11:33	
Toluene-d8	101.5	78-115	%	1.00	05/04/2004 11:33	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-5	Lab ID:	2004-04-0761-3
Sampled:	04/21/2004 12:11	Extracted:	5/4/2004 11:58
Matrix:	Water	QC Batch#:	2004/05/04-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/04/2004 11:58	
Benzene	ND	0.50	ug/L	1.00	05/04/2004 11:58	
Toluene	ND	0.50	ug/L	1.00	05/04/2004 11:58	
Ethylbenzene	ND	0.50	ug/L	1.00	05/04/2004 11:58	
Total xylenes	ND	1.0	ug/L	1.00	05/04/2004 11:58	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/04/2004 11:58	
Surrogate(s)						
1,2-Dichloroethane-d4	101.9	76-130	%	1.00	05/04/2004 11:58	
Toluene-d8	106.4	78-115	%	1.00	05/04/2004 11:58	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-6	Lab ID: 2004-04-0761 - 4
Sampled: 04/21/2004 11:50	Extracted: 5/4/2004 13:10
Matrix: Water	QC Batch#: 2004/05/04-1A.66
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2800	250	ug/L	5.00	05/04/2004 13:10	
Benzene	13	2.5	ug/L	5.00	05/04/2004 13:10	
Toluene	6.9	2.5	ug/L	5.00	05/04/2004 13:10	
Ethylbenzene	5.0	2.5	ug/L	5.00	05/04/2004 13:10	
Total xylenes	12	5.0	ug/L	5.00	05/04/2004 13:10	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	05/04/2004 13:10	
Surrogate(s)						
1,2-Dichloroethane-d4	104.3	76-130	%	5.00	05/04/2004 13:10	
Toluene-d8	104.1	78-115	%	5.00	05/04/2004 13:10	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B Test(s): 8260B

Sample ID: S-8 Lab ID: 2004-04-0761-5

Sampled: 04/21/2004 11:25 Extracted: 5/5/2004 00:56

Matrix: Water QC Batch#: 2004/05/04-2C.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3300	250	ug/L	5.00	05/05/2004 00:56	
Benzene	11	2.5	ug/L	5.00	05/05/2004 00:56	
Toluene	4.0	2.5	ug/L	5.00	05/05/2004 00:56	
Ethylbenzene	39	2.5	ug/L	5.00	05/05/2004 00:56	
Total xylenes	150	5.0	ug/L	5.00	05/05/2004 00:56	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	05/05/2004 00:56	
Surrogate(s)						
1,2-Dichloroethane-d4	113.5	76-130	%	5.00	05/05/2004 00:56	
Toluene-d8	107.2	78-115	%	5.00	05/05/2004 00:56	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-10	Lab ID:	2004-04-0761-6
Sampled:	04/21/2004 10:15	Extracted:	5/5/2004 01:18
Matrix:	Water	QC Batch#:	2004/05/04-2C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/05/2004 01:18	
Benzene	ND	0.50	ug/L	1.00	05/05/2004 01:18	
Toluene	ND	0.50	ug/L	1.00	05/05/2004 01:18	
Ethylbenzene	ND	0.50	ug/L	1.00	05/05/2004 01:18	
Total xylenes	ND	1.0	ug/L	1.00	05/05/2004 01:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/05/2004 01:18	
Surrogate(s)						
1,2-Dichloroethane-d4	117.7	76-130	%	1.00	05/05/2004 01:18	
Toluene-d8	96.3	78-115	%	1.00	05/05/2004 01:18	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B | Test(s): 8260B
Sample ID: SR-1 | Lab ID: 2004-04-0761-7
Sampled: 04/21/2004 09:56 | Extracted: 5/5/2004 01:41
Matrix: Water | QC Batch#: 2004/05/04-20.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/05/2004 01:41	
Benzene	ND	0.50	ug/L	1.00	05/05/2004 01:41	
Toluene	ND	0.50	ug/L	1.00	05/05/2004 01:41	
Ethylbenzene	ND	0.50	ug/L	1.00	05/05/2004 01:41	
Total xylenes	ND	1.0	ug/L	1.00	05/05/2004 01:41	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/05/2004 01:41	
Surrogate(s)						
1,2-Dichloroethane-d4	113.6	76-130	%	1.00	05/05/2004 01:41	
Toluene-d8	109.7	78-115	%	1.00	05/05/2004 01:41	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B
Method Blank — Water — QC Batch #: 2004/05/04-1A.66
MB 2004/05/04-1A.66-036 — Date Extracted: 05/04/2004 08:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/04/2004 08:36	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/04/2004 08:36	
Benzene	ND	0.5	ug/L	05/04/2004 08:36	
Toluene	ND	0.5	ug/L	05/04/2004 08:36	
Ethylbenzene	ND	0.5	ug/L	05/04/2004 08:36	
Total xylenes	ND	1.0	ug/L	05/04/2004 08:36	
Surrogates(s)					
1,2-Dichloroethane-d4	103.4	76-130	%	05/04/2004 08:36	
Toluene-d8	109.2	78-115	%	05/04/2004 08:36	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B | Test(s): 8260B

Method Blank | Water | QC Batch # 2004/05/04-2C.62

MB: 2004/05/04-2C.62-059 | Date Extracted: 05/04/2004 19:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/04/2004 19:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/04/2004 19:59	
Benzene	ND	0.5	ug/L	05/04/2004 19:59	
Toluene	ND	0.5	ug/L	05/04/2004 19:59	
Ethylbenzene	ND	0.5	ug/L	05/04/2004 19:59	
Total xylenes	ND	1.0	ug/L	05/04/2004 19:59	
Surrogates(s)					
1,2-Dichloroethane-d4	109.6	76-130	%	05/04/2004 19:59	
Toluene-d8	107.2	78-115	%	05/04/2004 19:59	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — Water — QC Batch # 2004/05/04-1A.66

LCS: 2004/05/04-1A.66-048 — Extracted: 05/04/2004 — Analyzed: 05/04/2004 07:48

LCSD: 2004/05/04-1A.66-000 — Extracted: 05/04/2004 — Analyzed: 05/04/2004 09:00

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.3	21.7	25	85.2	86.8	1.9	65-165	20		
Benzene	23.4	23.8	25	93.6	95.2	1.7	69-129	20		
Toluene	24.1	23.9	25	96.4	95.6	0.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	463	446	500	92.6	89.2		76-130			
Toluene-d8	533	529	500	106.6	105.8		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — Water — QC Batch #: 2004/05/04-2C.62

LCS 2004/05/04-2C.62-014 — Extracted: 05/04/2004 — Analyzed: 05/04/2004 19:14

LCSD 2004/05/04-2C.62-037 — Extracted: 05/04/2004 — Analyzed: 05/04/2004 19:37

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.4	27.1	25	105.6	108.4	2.6	65-165	20		
Benzene	23.1	23.4	25	92.4	93.6	1.3	69-129	20		
Toluene	23.7	24.1	25	94.8	96.4	1.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	557	535	500	111.4	107.0		76-130			
Toluene-d8	489	500	500	97.8	100.0		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) — Water — **QC Batch # 2004/05/04-1A.66**

S-5 >> MS

Lab ID: 2004-04-0761 - 003

MS: 2004/05/04-1A.66-022 — Extracted: 05/04/2004 — Analyzed: 05/04/2004 12:22 — Dilution: 1.00

MSD: 2004/05/04-1A.66-046 — Extracted: 05/04/2004 — Analyzed: 05/04/2004 12:46 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.8	24.1	ND	25	95.2	96.4	1.3	65-165	20		
Benzene	26.2	26.3	ND	25	104.8	105.2	0.4	69-129	20		
Toluene	27.0	27.1	ND	25	108.0	108.4	0.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	465	483		500	93.0	96.6		76-130			
Toluene-d8	529	525		500	105.8	105.0		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040421-BA1
97093398

Received: 04/22/2004 15:03

Site: 2800 Telegraph Ave., Oakland

Legend and Notes

Analysis Flag

o

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

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be Invoiced:

Karen Peryna

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-04-0761

INCIDENT NUMBER (SAP ONLY): 97093398

SAP or CRMT NUMBER (CRMT):

DATE: 4/21/04

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	2800 Telegraph Ave., Oakland	T0600101244

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Ana Friel	707-933-2353	sonomaedf@cambria-env.com	040421-BT1

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):	BTS #
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	BRIAN ALCORN	LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by 8260B	Full spectrum	EDB	EDC
	S-1	4/21	914	W	3	X	X		X	X	X	X	X
	S-4		1045			X	X		X	X	X	X	X
	S-5		1211			X	X		X	X	X	X	X
	S-6		1150			X	X		X	X	X	X	X
	S-8		1125			X	X		X	X	X	X	X
	S-10		1015			X	X		X	X	X	X	X
	SR-1		936			X	X		X	X	X	X	X
											LL	4/29/04	

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

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		4/22/04	1503
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/15/00 Revision

CSD Graphic (714) 895-6702

WELLHEAD INSPECTION CHECKLIST

Client Shell Date 4/21/04

Site Address 2800 Telegraph Ave, Oakland

Job Number 040421-BA1 Technician Brian Alcorn

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
S-1		Christy Box in Low Point						
S-4	X							
S-5		X		X				
S-6		X						
S-8		X						
S-10	X							
SR-1		4 of 4 Bolts missing or broken in tabs (Vault)						

NOTES:

WELL GAUGING DATA

Project # 040421-BA1 Date 4/21/04 Client Shell

Site 2800 Telegraph Ave, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
S-1	3					8.23	28.02	TOC	
S-4	3					9.84	30.16		
S-5	3					9.44	30.11		
S-6	3					8.50	21.72		
S-8	3					9.33	18.92		
S-10	3					7.71	23.97		
SR-1	6					6.96	33.93		2R Vault

SHELL WELL MONITORING DATA SHEET

BTS #: 040421-BA1	Site: 2800 Telegraph
Sampler: Brian Alcorn	Date: 4/21/04
Well I.D.: S-1	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 28.02	Depth to Water (DTW): 8.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.18	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

7.4 (Gals.) X 3 = 22.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0905	63.7 ~~17.65~~	6.3	548	509	7.4	cloudy gray
0907	63.3	6.7	548	789	14.8	"
0909	63.1	6.7	538	845	22.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 4/21/04 Sampling Time: 0912 Depth to Water: 11.02

Sample I.D.: S-1 Laboratory: (STL) Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys (5) by 8260, EthanoL, EDB, EDC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040421-BA1	Site: 2800 Telegraph, Oakland
Sampler: Brian Alcorn	Date: 4/21/04
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 30.16	Depth to Water (DTW): 9.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.6 (Gals.) X 3 = 22.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1038	66.0	7.8	462	146	7.6	cloudy gray
1040	67.6	7.9	458	501	15.2	"
1042	67.8	8.1	458	522	23.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 23.0

Sampling Date: 4/21/04 Sampling Time: 1045 Depth to Water: 21.10 Traffic Well

Sample I.D.: S-4 Laboratory: (STL) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Same as S-1

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040421-BA1	Site: 2800 Telegraph, Oakland
Sampler: Brian Alcorn	Date: 4/21/04
Well I.D.: S-5	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 30.11	Depth to Water (DTW): 9.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:____

7.7 (Gals.) X 3 = 23.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1204	67.5	7.4	527	112	7.7	cloudy gray
1206	67.7	7.3	516	82	15.4	"
1208	67.7	7.3	508	55	23.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 23.5

Sampling Date: 4/21/04 Sampling Time: 1211 Depth to Water: 12.28 Traffic Well

Sample I.D.: S-5 Laboratory: (STL) Other____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Same as S-1

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040421-BA1	Site: 2800 Telegraph, Oakland
Sampler: Brian Alcorn	Date: 4/21/04
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 21.72	Depth to Water (DTW): 8.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

4.9 (Gals.) X 3 = 14.7 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1143	66.8	7.4	573	140	4.9	cloudy gray, odor
1144	67.0	7.3	559	109	9.8	"
1144	Well Dewatered @ 10 gallons					DTW 18.10
1150	68.3	7.4	579	353	10.0	cloudy gray, odor

Did well dewater? (Yes) No Gallons actually evacuated: 10.0

Sampling Date: 4/21/04 Sampling Time: 1150 Depth to Water: 18.10 Traffic Well

Sample I.D.: S-6 Laboratory: (STL) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Same as S-1

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040421-BA1	Site: 2800 Telegraph, Oakland
Sampler: Brian Alcorn	Date: 4/21/04
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 18.92	Depth to Water (DTW): 9.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

3.6 (Gals.) X 3 = 10.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1118	67.1	7.8	815	151	3.6	cloudy gray, strong odor
1120	67.4	7.4	790	98	7.2	"
1122	67.7	7.4	770	37	11.0	clear, strong odor

Did well dewater? Yes (No) Gallons actually evacuated: 11.0

Sampling Date: 4/21/04 Sampling Time: 1125 Depth to Water: 9.66 Traffic Well

Sample I.D.: S-8 Laboratory: (STL) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Same as S-1

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040421-BA1	Site: 2800 Telegraph, Oakland
Sampler: Brian Alcorn	Date: 4/21/04
Well I.D.: S-10	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 23.97	Depth to Water (DTW): 7.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

6.0 (Gals.) X 3 = 18.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1008	64.3	7.9	232	20	6.0	clear
1010	64.9	8.0	216	110	12.0	cloudy gray
1012	66.0	8.1	216	55	18.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 18.0

Sampling Date: 4/21/04 Sampling Time: 1015 Depth to Water: 19.72 Traffic Well

Sample I.D.: S-10 Laboratory: (STL) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Same as S-1

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040421-BA1	Site: 2800 Telegraph, Oakland
Sampler: Brian Alcorn	Date: 4/21/04
Well I.D.: SR-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): 33.93	Depth to Water (DTW): 6.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.35	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

40.0 (Gals.) X 3 = 120.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0932	63.3	7.2	574	95	40.0	cloudy gray, mild odor
0940	64.1	7.1	574	30	80.0	clear, less odor
0948	64.3	7.3	573	22	120.0	" mild odor DTW 14.6

Did well dewater? Yes (No) Gallons actually evacuated: 120.0

Sampling Date: 4/21/04 Sampling Time: 0956 Depth to Water: 12.35

Sample I.D.: SR-1 Laboratory: (STL) Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Same as S-1

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

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

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

APPENDIX B

3Q04 - Blaine Tech Services
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 16, 2004

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

Third Quarter 2004 Groundwater Monitoring at
Former Shell Service Station
2800 Telegraph Avenue
Oakland, CA

Monitoring performed on August 12, 2004

Groundwater Monitoring Report **040812-DW-1**

This report covers the routine monitoring of groundwater wells at this Former Shell 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
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-1	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.50	25.81	NA
S-1	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.85	24.46	NA
S-1	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.34	24.97	NA
S-1	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.60	27.71	NA
S-1	06/07/1993	<50	2.8	1.3	0.7	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.63	26.68	NA
S-1	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.20	26.11	NA
S-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.58	24.73	NA
S-1	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.41	26.90	NA
S-1	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.09	26.22	NA
S-1	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.81	26.50	NA
S-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.32	25.99	NA
S-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	6.98	28.33	NA
S-1	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.35	25.96	NA
S-1	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.45	27.86	NA
S-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.91	26.40	NA
S-1	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.33	25.98	NA
S-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.11	25.20	NA
S-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.93	27.38	NA
S-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.94	26.37	NA
S-1	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.55	25.76	NA
S-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.43	25.88	NA
S-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.21	27.10	NA
S-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.27	27.04	NA
S-1	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.97	26.34	NA
S-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.89	25.42	NA
S-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.45	26.86	NA
S-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.04	26.27	NA
S-1	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.11	26.20	NA

WELL CONCENTRATIONS
Former Shell Service Station
2800 Telegraph Avenue
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.00	26.31	NA
S-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	7.31	28.00	NA
S-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.85	26.46	NA
S-1	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	9.50	25.81	NA
S-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.31	10.16	25.15	NA
S-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	35.31	8.16	27.15	NA
S-1	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.09	8.74	26.35	NA
S-1	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	8.79	26.30	NA
S-1	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	8.43	26.66	NA
S-1	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	35.09	7.34	27.75	NA
S-1	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	35.09	8.23	26.86	NA
S-1	**08/12/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.09**	**9.46**	**25.63**	**NA**
S-2	05/04/1992	1600	190	6.0	240	54	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	9.44	24.47	NA
S-2	08/10/1992	<50	4.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	10.73	23.18	NA
S-2	09/11/1992	84	19	0.7	2.2	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	NA	NA	NA
S-2	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	10.29	23.62	NA
S-2	02/23/1993	16000	1600	480	850	1800	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.91	9.04	24.87	NA
S-2	04/08/1993	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-3	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.56	9.22	24.34	NA
S-3	08/10/1992	Well paved over		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-4	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.96	24.12	NA
S-4	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.32	22.76	NA
S-4	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.29	22.79	NA
S-4	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.82	24.26	NA
S-4	06/07/1993	50	9.2	5.5	3.3	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.51	23.57	NA
S-4	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.05	23.03	NA

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S-4	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.34	22.74	NA
S-4	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.93	24.15	NA
S-4	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.40	23.68	NA
S-4	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.68	23.40	NA
S-4	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.44	24.64	NA
S-4	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.18	24.90	NA
S-4	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.62	23.46	NA
S-4	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.23	24.85	NA
S-4	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.37	23.71	NA
S-4	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.69	23.39	NA
S-4	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.96	23.12	NA
S-4	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.37	24.71	NA
S-4	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.25	23.83	NA
S-4	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.60	23.48	NA
S-4	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.52	23.56	NA
S-4	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.79	24.29	NA
S-4	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.56	24.52	NA
S-4	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.51	23.57	NA
S-4	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	11.01	23.07	NA
S-4	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.53	23.55	NA
S-4	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	9.73	24.35	NA
S-4	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.48	23.60	NA
S-4	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.67	23.41	NA
S-4	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	8.99	25.09	NA
S-4	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.31	23.77	NA
S-4	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.77	23.31	NA
S-4	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.08	10.97	23.11	NA
S-4	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	34.08	8.21	25.87	NA

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S-4	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.01	10.23	23.78	NA
S-4	09/29/2003	<50	<0.50	<0.50	1.9	2.6	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	10.42	23.59	NA
S-4	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	10.14	23.87	NA
S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	34.01	9.41	24.60	NA
S-4	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.01	9.84	24.17	NA
S-4	**08/12/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.01**	**10.50**	**23.51**	**NA**
S-5	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.27	23.15	NA
S-5	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.68	22.74	NA
S-5	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.69	22.73	NA
S-5	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.45	23.97	NA
S-5	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.19	NA
S-5	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.58	22.84	NA
S-5	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.70	22.72	NA
S-5	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.75	23.67	NA
S-5	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.19	23.23	NA
S-5	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.64	23.78	NA
S-5	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.59	23.83	NA
S-5	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.90	NA
S-5	02/02/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.51	23.91	NA
S-5	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.15	23.27	NA
S-5	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.54	22.88	NA
S-5	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.56	23.86	NA
S-5	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.03	23.39	NA
S-5	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.23	23.19	NA
S-5	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.25	23.17	NA

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S-5	01/07/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.83	23.59	NA
S-5	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.73	23.69	NA
S-5	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.04	23.38	NA
S-5	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.91	22.51	NA
S-5	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.80	23.62	NA
S-5	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.09	24.33	NA
S-5	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.05	23.37	NA
S-5	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.30	23.12	NA
S-5	03/07/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	9.11	24.31	NA
S-5	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.11	23.31	NA
S-5	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.37	23.05	NA
S-5	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.42	10.56	22.86	NA
S-5	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.42	7.93	25.49	NA
S-5	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.26	9.87	23.39	NA
S-5	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	10.02	23.24	NA
S-5	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	9.77	23.49	NA
S-5	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	33.26	9.28	23.98	NA
S-5	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	33.26	9.44	23.82	NA
S-5	**08/12/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**33.26**	**10.05**	**23.21**	**NA**
S-6	05/04/1992	3100	640	22	23	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.42	23.17	NA
S-6	08/10/1992	3400	430	27	26	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.40	22.19	NA
S-6	11/09/1992	2000	320	15	15	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.16	22.43	NA
S-6	02/23/1993	14000	780	180	380	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.60	24.99	NA
S-6	06/07/1993	3900	1400	56	83	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.90	23.69	NA
S-6	08/13/1993	4000a	890	16	<0.5	41	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.39	23.20	NA
S-6	11/18/1993	80	5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.32	22.27	NA
S-6	02/10/1994	4100	370	23	21	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.68	23.91	NA
S-6	05/03/1994	4700	550	28	85	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.20	23.39	NA

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S-6	08/01/1994	2900	370	11	11	43	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.90	23.69	NA
S-6	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.32	23.69	NA
S-6	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.04	23.69	NA
S-6	08/02/1995	1400	160	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.26	23.19	NA
S-6	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.90	24.69	NA
S-6	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.98	23.61	NA
S-6	08/02/1996	1600	150	9.2	13	23	17	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.34	23.25	NA
S-6	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.96	22.63	NA
S-6	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.38	25.21	NA
S-6	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.16	23.43	NA
S-6	07/01/1997	<50	1.5	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.60	22.99	NA
S-6	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.64	22.95	NA
S-6	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.34	24.25	NA
S-6	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.93	24.66	NA
S-6	07/02/1998	370	22	0.62	<0.50	<0.50	5.60	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.85	22.74	NA
S-6	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	10.48	22.11	NA
S-6	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.63	22.96	NA
S-6	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.08	23.51	NA
S-6	07/09/1999	52	2.3	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.33	23.26	NA
S-6	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.80	22.79	NA
S-6	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.05	25.54	NA
S-6	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.05	23.54	NA
S-6	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.65	22.94	NA
S-6	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	9.51	23.08	NA
S-6	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.59	7.14	25.45	NA
S-6	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.36	9.14	23.22	NA
S-6	09/29/2003	1700	13	4.6	<2.5	5.8	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	32.36	9.32	23.04	NA
S-6	11/20/2003	4500	45	14	36	28	NA	<1.0	<4.0	<4.0	<4.0	<10	<1.0	<1.0	<100	32.36	8.29	24.07	NA
S-6	02/04/2004	3700	41	14	9.1	38	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	32.36	7.90	24.46	NA

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S-6	04/21/2004	2800	13	6.9	5.0	12	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	32.36	8.50	23.86	NA
S-6	**08/12/2004**	**2700**	**15**	**4.4**	**<2.5**	**<5.0**	**NA**	**<2.5**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.36**	**9.40**	**22.96**	**NA**
S-6 (D)	08/01/1994	2600	340	8.8	7.7	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	NA	NA	NA
S-6 (D)	08/02/1995	1400	170	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	NA	NA	NA
S-7	05/04/1992	180	1.6	<0.5	1.5	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.21	22.12	NA
S-7	08/10/1992	190	8.0	1.4	4.7	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.28	21.05	NA
S-7	11/09/1992	280	16	4.0	7.8	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.77	21.56	NA
S-7	02/23/1993	210	13	2.2	5.4	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.86	24.47	NA
S-7	06/07/1993	90	1.2	2.5	1.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.58	22.75	NA
S-7	08/13/1993	140	4.0	0.8	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.34	21.99	NA
S-7	11/18/1993	440	43	4.9	0.9	4.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.00	21.33	NA
S-7	02/10/1994	250a	<0.5	<0.5	1.8	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.88	23.45	NA
S-7	05/03/1994	130	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	08/01/1994	250	4.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.05	22.28	NA
S-7	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.64	23.69	NA
S-7	02/03/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.53	24.80	NA
S-7	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.10	22.23	NA
S-7	02/02/1996	480	2.2	2.4	7.9	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.58	24.75	NA
S-7	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.41	22.92	NA
S-7	08/02/1996	300	20	2.2	3.8	7.9	21	11	NA	NA	NA	NA	NA	NA	NA	33.33	11.18	22.15	NA
S-7	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	12.12	21.21	NA
S-7	01/08/1997	850	16	6.3	20	59	<25	NA	NA	NA	NA	NA	NA	NA	NA	33.33	8.23	25.10	NA
S-7	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	10.75	22.58	NA
S-7	07/01/1997	120	2.4	<0.50	2.9	2.6	3.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.40	21.93	NA
S-7	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.50	21.83	NA
S-7	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	9.39	23.94	NA
S-7	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.15	22.18	NA

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S-7	10/06/1999	216	5.04	<0.500	2.23	4.82	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	33.33	11.65	21.68	NA
S-7	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7 (D)	08/02/1996	340	22	2.2	4.4	8.9	20	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-7 (D)	01/08/1997	840	15	<5.0	21	63	25	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-7 (D)	07/01/1997	120	2.4	<0.50	2.9	2.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	33.33	NA	NA	NA
S-8	05/04/1992	1600	20	420	96	330	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.29	21.68	NA
S-8	08/10/1992	1500	19	37	60	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	11.12	20.85	NA
S-8	11/09/1992	710	5.7	24	28	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.71	21.26	NA
S-8	02/23/1993	3800	40	54	68	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	6.04	25.93	NA
S-8	06/07/1993	1200	13	19	65	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA
S-8	08/13/1993	1300	21	23	49	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.56	21.41	NA
S-8	11/18/1993	870	16	5.3	59	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.90	21.07	NA
S-8	02/10/1994	2400	11	55	120	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.53	22.44	NA
S-8	05/03/1994	3100	12	27	130	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.06	21.91	NA
S-8	08/01/1994	1500	20	18	39	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.32	21.65	NA
S-8	11/08/1994	2100	22	38	73	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.25	22.72	NA
S-8	02/03/1995	4800	67	39	130	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.99	22.98	NA
S-8	05/04/1995	2600	31	23	71	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.22	22.75	NA
S-8	08/02/1995	1700	10	9.1	48	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.36	21.61	NA
S-8	11/02/1995	1200	16	13	72	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.72	21.25	NA
S-8	02/02/1996	7100	29	140	360	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.92	23.05	NA
S-8	05/04/1996	3500	13	27	110	400	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.86	22.11	NA
S-8	08/02/1996	850	9.6	7.4	30	160	11	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.30	21.67	NA
S-8	10/02/1996	980	<5.0	11	13	92	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.71	21.26	NA
S-8	01/08/1997	6400	88	48	190	500	<100	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.88	23.09	NA
S-8	04/17/1997	1700	23	7.4	34	50	74	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.00	21.97	NA
S-8	07/01/1997	140	2.8	<0.50	<0.50	0.58	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31 97	10.40	21 57	NA

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S-8	10/07/1997	300	2.7	0.63	4.6	8.4	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.50	21.47	NA
S-8	01/07/1998	110	1.2	<0.50	<0.50	1.6	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.27	22.70	NA
S-8	04/02/1998	4500	140	77	140	380	<12	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.31	22.66	NA
S-8	07/02/1998	330	4.2	0.79	1.7	2.3	4.8	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.48	22.49	NA
S-8	10/01/1998	52	0.76	<0.50	<0.50	0.70	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.08	21.89	NA
S-8	01/12/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.50	21.47	NA
S-8	04/19/1999	3360	29.6	24.6	137	398	<100	NA	NA	NA	NA	NA	NA	NA	NA	31.97	9.45	22.52	NA
S-8	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.25	21.72	NA
S-8	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.70	21.27	NA
S-8	03/07/2000	16500	461	397	665	1240	229	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.45	23.52	NA
S-8	06/01/2000	317	4.05	0.943	0.595	1.08	29.9	NA	NA	NA	NA	NA	NA	NA	NA	31.97	10.03	21.94	NA
S-8	09/08/2000	330	2.14	1.45	7.21	16.5	39.9	<1.00b	NA	NA	NA	NA	NA	NA	NA	31.97	10.58	21.39	NA
S-8	11/29/2000	188	2.70	<0.500	2.43	1.44	7.27	<1.00b	NA	NA	NA	NA	NA	NA	NA	31.97	10.25	21.72	NA
S-8	03/09/2001	4110	80.1	23.0	90.6	95.0	70.4	NA	NA	NA	NA	NA	NA	NA	NA	31.97	8.99	22.98	NA
S-8	09/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	31.97	10.67	21.30	NA
S-8	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	10.02	21.87	NA
S-8	09/29/2003	Well inaccessible			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.89	NA	NA	NA
S-8	10/03/2003	1700	<2.5	8.1	53	140	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	9.99	21.90	NA
S-8	11/20/2003	7100	110	33	150	290	NA	2.8	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	9.14	22.75	NA
S-8	02/04/2004	4400	41	8.6	37	120	NA	<2.5	<10	<10	<10	<25	<2.5	<2.5	<250	31.89	8.89	23.00	NA
S-8	04/21/2004	3300	11	4.0	39	150	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	31.89	9.33	22.56	NA
S-8	**08/12/2004**	**1300**	**<2.5**	**<2.5**	**18**	**76**	**NA**	**<2.5**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**31.89**	**10.06**	**21.83**	**NA**
S-8 (D)	02/10/1994	2400	11	46	100	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/03/1994	3000	21	25	120	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	11/08/1994	2100	20	31	75	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	02/03/1995	3700	53	30	100	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1995	3300	38	26	89	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	08/02/1995	1200	15	13	70	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA

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S-8 (D)	02/02/1996	7800	33	160	400	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	05/04/1996	5100	19	37	190	690	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	10/02/1996	1300	<5.0	10	28	180	<25	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	04/17/1997	1600	25	7.4	30	43	34	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	01/07/1998	150	1.8	0.6	<0.50	2.2	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-8 (D)	07/02/1998	360	4.3	0.89	1.7	2.3	5.7	NA	NA	NA	NA	NA	NA	NA	NA	31.97	NA	NA	NA
S-9	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21.41	NA
S-9	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.52	20.34	NA
S-9	11/09/1992	<50	<0.5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.02	20.84	NA
S-9	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.00	23.86	NA
S-9	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.07	21.79	NA
S-9	08/13/1993	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.92	20.94	NA
S-9	11/18/1993	170	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	11.19	20.67	NA
S-9	02/10/1994	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.16	22.70	NA
S-9	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.03	21.83	NA
S-9	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.52	21.34	NA
S-9	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.08	22.78	NA
S-9	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.37	23.49	NA
S-9	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.35	22.51	NA
S-9	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7.53	24.33	NA
S-9	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.60	22.26	NA
S-9	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	12	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.46	21.40	NA
S-9	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.66	21.20	NA
S-9	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	7.20	24.66	NA
S-9	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	9.96	21.90	NA
S-9	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	3.9	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.64	21.22	NA
S-9	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.63	21.23	NA
S-9	04/19/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	8.69	23.17	NA

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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-9	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.45	21.41	NA
S-9	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	31.86	10.90	20.96	NA
S-9	NA	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-10	05/04/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.54	24.41	NA
S-10	08/10/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.43	22.52	NA
S-10	11/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.14	23.81	NA
S-10	02/23/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.72	26.23	NA
S-10	06/07/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.08	24.87	NA
S-10	08/13/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24.12	NA
S-10	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.46	23.49	NA
S-10	02/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.41	25.54	NA
S-10	05/03/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.16	24.79	NA
S-10	08/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32 95	8.29	24.66	NA
S-10	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.02	25.93	NA
S-10	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.79	26.16	NA
S-10	08/02/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.30	24.65	NA
S-10	02/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.49	26.46	NA
S-10	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.55	25.40	NA
S-10	08/02/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.25	23.70	NA
S-10	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.54	22.41	NA
S-10	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.47	26.48	NA
S-10	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	7.78	25.17	NA
S-10	07/01/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.83	24.12	NA
S-10	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.89	24.06	NA
S-10	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.97	25.98	NA
S-10	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.96	25.99	NA
S-10	07/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.41	22.54	NA
S-10	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	11.03	21.92	NA

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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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-10	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	10.33	22.62	NA
S-10	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.72	23.23	NA
S-10	07/09/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.98	23.97	NA
S-10	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.15	23.80	NA
S-10	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.01	26.94	NA
S-10	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	8.13	24.82	NA
S-10	09/08/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.10	23.85	NA
S-10	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.95	9.32	23.63	NA
S-10	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	32.95	6.54	26.41	NA
S-10	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.93	9.13	23.80	NA
S-10	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	9.26	23.67	NA
S-10	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	7.15	25.78	NA
S-10	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.93	6.80	26.13	NA
S-10	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.93	7.71	25.22	NA
S-10	**08/12/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.93**	**9.26**	**23.67**	**NA**
S-11	05/04/1992	1500	55	32	57	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.99	20.79	NA
S-11	08/10/1992	750	29	13	43	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.92	19.86	NA
S-11	11/09/1992	4100	32	62	120	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.44	20.34	NA
S-11	02/23/1993	760	15	13	37	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.30	23.48	NA
S-11	06/07/1993	1700	40	16	100	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.51	21.27	NA
S-11	08/13/1993	60	0.9	<0.5	0.8	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.39	20.39	NA
S-11	11/18/1993	150	7.8	1.0	9.0	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.64	20.14	NA
S-11	02/10/1994	4400	53	19	160	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.50	22.28	NA
S-11	05/03/1994	65	1.5	<0.5	0.53	0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.42	21.36	NA
S-11	08/01/1994	240	18	6.7	6.9	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.12	20.66	NA
S-11	11/08/1994	490	14	5.2	15	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.84	21.94	NA
S-11	02/03/1995	380	4.1	0.9	1.4	5.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.12	23.66	NA
S-11	05/04/1995	110	1.3	<0.5	1.1	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.96	22.82	NA

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S-11	08/02/1995	230	22	11	13	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.88	20.90	NA
S-11	11/02/1995	200	26	10	10	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.10	20.68	NA
S-11	02/02/1996	110	2.9	1.0	2.6	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	7.33	23.45	NA
S-11	05/04/1996	<50	0.70	0.54	0.82	2.6	7.5	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.62	22.16	NA
S-11	08/02/1996	200	11	4.6	12	38	10	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.85	20.93	NA
S-11	10/02/1996	290	20	6.2	16	48	8.4	NA	NA	NA	NA	NA	NA	NA	NA	30.78	11.00	19.78	NA
S-11	01/08/1997	56	2.0	<0.50	1.0	5.8	5.2	NA	NA	NA	NA	NA	NA	NA	NA	30.78	6.20	24.58	NA
S-11	04/17/1997	<50	0.88	<0.50	<0.50	<0.50	3.2	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.81	21.97	NA
S-11	07/01/1997	610	50	5.9	24	110	3.1	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.47	20.31	NA
S-11	10/07/1997	440	43	3.0	13	110	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.32	20.46	NA
S-11	04/19/1999	<50.0	0.530	<0.500	<0.500	5.22	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	30.78	8.31	22.47	NA
S-11	07/09/1999	53	2.3	<0.50	<0.50	8.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	30.78	9.19	21.59	NA
S-11	10/06/1999	1210	39.1	<10.0	26.4	139	<100	NA	NA	NA	NA	NA	NA	NA	NA	30.78	10.25	20.53	NA
S-11	NA	Well Abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-11 (D)	06/07/1993	1600	51	16	83	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
S-11 (D)	08/13/1993	70	2.1	<0.5	0.9	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
S-11 (D)	10/07/1997	360	39	2.0	7.2	74	4.9	NA	NA	NA	NA	NA	NA	NA	NA	30.78	NA	NA	NA
SR-1	05/04/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.02	NA	NA
SR-1	08/10/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.29	NA	NA
SR-1	11/09/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.92	NA	NA
SR-1	02/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.64	NA	NA
SR-1	06/07/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.36	NA	NA
SR-1	08/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.96	NA	NA
SR-1	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.02	NA	NA
SR-1	02/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SR-1	05/03/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.28	NA	NA
SR-1	08/01/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.98	NA	NA

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SR-1	11/08/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.75	NA	NA
SR-1	02/03/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.20	NA	NA
SR-1	05/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.10	NA	NA
SR-1	08/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.31	NA	NA
SR-1	11/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.62	NA	NA
SR-1	02/02/1996	90	6.1	6.7	2.8	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.30	NA	NA
SR-1	05/04/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.10	NA	NA
SR-1	10/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.25	NA	NA
SR-1	01/08/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.18	NA	NA
SR-1	04/17/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.01	NA	NA
SR-1	07/01/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
SR-1	10/07/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	01/07/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA
SR-1	04/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.43	NA	NA
SR-1	07/02/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.87	NA	NA
SR-1	10/01/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.42	NA	NA
SR-1	01/12/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.24	NA	NA
SR-1	04/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.64	NA	NA
SR-1	07/09/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.40	NA	NA
SR-1	10/06/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.30	NA	NA
SR-1	03/07/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.25	NA	NA
SR-1	06/01/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.59	NA	NA
SR-1	09/08/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.22	NA	NA
SR-1	11/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.65	NA	NA
SR-1	03/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.78	NA	NA
SR-1	09/12/2001	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	9.23	NA	NA
SR-1	09/18/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.59	8.02	24.57	NA
SR-1	09/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	8.35	24.24	NA

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SR-1	11/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6.85	25.74	NA
SR-1	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	32.59	6.58	26.01	NA
SR-1	04/21/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	32.59	6.96	25.63	NA
SR-1	**08/12/2004**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**32.59**	**8.42**	**24.17**	**NA**
SR-1 (D)	11/18/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to September 29, 2003, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260
EDB = 1,2-dibromomethane or ethlyene dibromide, analyzed by EPA Method 8260
TOC = Top of Casing Elevation
TOB = Top of Wellbox Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
ug/L = parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

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2800 Telegraph Avenue
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)

Notes:

a = Chromatogram pattern indicated the presence of an unidentified hydrocarbon.

b = This sample analyzed outside of EPA recommended hold time.

Ethanol analyzed by EPA Method 8260B.

Prior to September 18, 2003, depths to water and groundwater elevation referenced to Top of Box elevation.

Active wells surveyed July 29, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

SEVERN TRENT STL

Submission#: 2004-08-0400

Blaine Tech Services, Inc.

August 27, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 040812-DW-1
Project: 97093398
Site: 2800 Telegraph Ave., Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 08/13/2004 14:38
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 09/27/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2004-08-0400

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	08/12/2004 09:25	Water	1
S-4	08/12/2004 10:22	Water	2
S-5	08/12/2004 10:38	Water	3
S-6	08/12/2004 11:15	Water	4
S-8	08/12/2004 11:52	Water	5
S-10	08/12/2004 10:54	Water	6
SR-1	08/12/2004 10:04	Water	7

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-1	Lab ID:	2004-08-0400-1
Sampled:	08/12/2004 09:25	Extracted:	8/23/2004 22:09
Matrix:	Water	QC Batch#:	2004/08/23-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2004 22:09	
Benzene	ND	0.50	ug/L	1.00	08/23/2004 22:09	
Toluene	ND	0.50	ug/L	1.00	08/23/2004 22:09	
Ethylbenzene	ND	0.50	ug/L	1.00	08/23/2004 22:09	
Total xylenes	ND	1.0	ug/L	1.00	08/23/2004 22:09	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/23/2004 22:09	
Surrogate(s)						
1,2-Dichloroethane-d4	106.9	76-130	%	1.00	08/23/2004 22:09	
Toluene-d8	103.7	78-115	%	1.00	08/23/2004 22:09	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-4	Lab ID: 2004-08-0400-2
Sampled: 08/12/2004 10:22	Extracted: 8/23/2004 22:28
Matrix: Water	QC Batch#: 2004/08/23-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2004 22:28	
Benzene	ND	0.50	ug/L	1.00	08/23/2004 22:28	
Toluene	ND	0.50	ug/L	1.00	08/23/2004 22:28	
Ethylbenzene	ND	0.50	ug/L	1.00	08/23/2004 22:28	
Total xylenes	ND	1.0	ug/L	1.00	08/23/2004 22:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/23/2004 22:28	
Surrogate(s)						
1,2-Dichloroethane-d4	108.6	76-130	%	1.00	08/23/2004 22:28	
Toluene-d8	106.8	78-115	%	1.00	08/23/2004 22:28	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-5	Lab ID: 2004-08-0400-3
Sampled: 08/12/2004 10:38	Extracted: 8/23/2004 22:48
Matrix: Water	QC Batch#: 2004/08/23-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2004 22:48	
Benzene	ND	0.50	ug/L	1.00	08/23/2004 22:48	
Toluene	ND	0.50	ug/L	1.00	08/23/2004 22:48	
Ethylbenzene	ND	0.50	ug/L	1.00	08/23/2004 22:48	
Total xylenes	ND	1.0	ug/L	1.00	08/23/2004 22:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/23/2004 22:48	
Surrogate(s)						
1,2-Dichloroethane-d4	105.3	76-130	%	1.00	08/23/2004 22:48	
Toluene-d8	97.9	78-115	%	1.00	08/23/2004 22:48	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B Test(s): 8260B

Sample ID: S-6 Lab ID: 2004-08-0400-4

Sampled: 08/12/2004 11:15 Extracted: 8/23/2004 23:07

Matrix: Water QC Batch#: 2004/08/23-1A.68

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2700	250	ug/L	5.00	08/23/2004 23:07	
Benzene	15	2.5	ug/L	5.00	08/23/2004 23:07	
Toluene	4.4	2.5	ug/L	5.00	08/23/2004 23:07	
Ethylbenzene	ND	2.5	ug/L	5.00	08/23/2004 23:07	
Total xylenes	ND	5.0	ug/L	5.00	08/23/2004 23:07	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	08/23/2004 23:07	
Surrogate(s)						
1,2-Dichloroethane-d4	103.8	76-130	%	5.00	08/23/2004 23:07	
Toluene-d8	100.6	78-115	%	5.00	08/23/2004 23:07	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-8	Lab ID:	2004-08-0400 - 5
Sampled:	08/12/2004 11:52	Extracted:	8/24/2004 00:04
Matrix:	Water	QC Batch#:	2004/08/23-1A.68

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1300	250	ug/L	5.00	08/24/2004 00:04	
Benzene	ND	2.5	ug/L	5.00	08/24/2004 00:04	
Toluene	ND	2.5	ug/L	5.00	08/24/2004 00:04	
Ethylbenzene	18	2.5	ug/L	5.00	08/24/2004 00:04	
Total xylenes	76	5.0	ug/L	5.00	08/24/2004 00:04	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	08/24/2004 00:04	
Surrogate(s)						
1,2-Dichloroethane-d4	106.9	76-130	%	5.00	08/24/2004 00:04	
Toluene-d8	99.0	78-115	%	5.00	08/24/2004 00:04	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Prep(s): 5030B Test(s): 8260B

Sample ID: S-10 Lab ID: 2004-08-0400-6

Sampled: 08/12/2004 10:54 Extracted: 08/23/2004 23:26

Matrix: Water QC Batch#: 2004/08/23-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2004 23:26	
Benzene	ND	0.50	ug/L	1.00	08/23/2004 23:26	
Toluene	ND	0.50	ug/L	1.00	08/23/2004 23:26	
Ethylbenzene	ND	0.50	ug/L	1.00	08/23/2004 23:26	
Total xylenes	ND	1.0	ug/L	1.00	08/23/2004 23:26	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/23/2004 23:26	
Surrogate(s)						
1,2-Dichloroethane-d4	100.8	76-130	%	1.00	08/23/2004 23:26	
Toluene-d8	106.5	78-115	%	1.00	08/23/2004 23:26	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SR-1	Lab ID:	2004-08-0400-7
Sampled:	08/12/2004 10:04	Extracted:	8/23/2004 23:45
Matrix:	Water	QC Batch#:	2004/08/23-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/23/2004 23:45	
Benzene	ND	0.50	ug/L	1.00	08/23/2004 23:45	
Toluene	ND	0.50	ug/L	1.00	08/23/2004 23:45	
Ethylbenzene	ND	0.50	ug/L	1.00	08/23/2004 23:45	
Total xylenes	ND	1.0	ug/L	1.00	08/23/2004 23:45	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/23/2004 23:45	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	76-130	%	1.00	08/23/2004 23:45	
Toluene-d8	98.9	78-115	%	1.00	08/23/2004 23:45	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B | Test(s): 8260B

Method Blank | Water | QC Batch #: 2004/08/23-1A.68

MB: 2004/08/23-1A.68.053 | Date Extracted: 08/23/2004 16:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/23/2004 16:53	
Benzene	ND	0.5	ug/L	08/23/2004 16:53	
Toluene	ND	0.5	ug/L	08/23/2004 16:53	
Ethylbenzene	ND	0.5	ug/L	08/23/2004 16:53	
Total xylenes	ND	1.0	ug/L	08/23/2004 16:53	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/23/2004 16:53	
Surrogates(s)					
1,2-Dichloroethane-d4	101.8	76-130	%	08/23/2004 16:53	
Toluene-d8	109.0	78-115	%	08/23/2004 16:53	

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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/23-1A.68**

LCS 2004/08/23-1A.68-013 Extracted: 08/23/2004 Analyzed: 08/23/2004 17:13

LCSD 2004/08/23-1A.68-034 Extracted: 08/23/2004 Analyzed: 08/23/2004 16:34

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	24.2	29.3	25	96.8	117.2	19.1	69-129	20		
Toluene	27.4	31.8	25	109.6	127.2	14.9	70-130	20		
Methyl tert-butyl ether (MTBE)	28.2	28.7	25	112.8	114.8	1.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	485	455	500	97.0	91.0		76-130			
Toluene-d8	507	516	500	101.4	103.2		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: 040812-DW-1
97093398

Received: 08/13/2004 14:38

Site: 2800 Telegraph Ave., Oakland

Legend and Notes

Analysis Flag

o

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

LAB: STL

SHELL Chain Of Custody Record

90092

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be invoiced:

☒ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT, HOUSTON

Karen Peryna

2004-08-0400

INCIDENT NUMBER (SAP ONLY): 9 7 0 9 3 3 9 8

SAP or CRMT NUMBER (TS/CRMT):

DATE: 8-12-04

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS (Street and City): 2800 Telegraph Ave., Oakland

GLOBAL ID NO.: T0600101244

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE TO (Electronic Party or Designate): Ana Friel

PHONE NO.: 707-933-2963

E-MAIL: sonomaedf@cambria-env.com

CONSULTANT PROJECT NO.: 240512-DW-1

PROJECT CONTACT (Hardcopy or PDF Report to): Leah Gearhart

BTS #:

TELEPHONE: 408-573-0555

FAX: 408-573-7771

E-MAIL: lgearhart@blainetech.com

SAMPLER NAME(S) (Print): Dave Walter

LAB USE ONLY:

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

REQUESTED ANALYSIS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GO/MS MTBE CONFIRMATION: HIGHEST: HIGHEST per BORING: ALL

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

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

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B & 8260B PL)	MTBE (8260B, 0.5ppb PL)	Oxygenates (5) by (8260B)	FIELD NOTES
	S-1	8-12-04	9:15	W	3	X	X		X		TEMPERATURE ON RECEIPT C° 6
	S-4	"	10:02	"	"	X	X		X		
	S-5	"	10:38	"	"	X	X		X		
	S-6	"	11:15	"	"	X	X		X		
	S-8	"	11:52	"	"	X	X		X		
	S-10	"	10:54	"	"	X	X		X		
	SR-1	"	10:24	"	"	X	X		X		

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David C. Walter		8/12/04	14:38
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		8/13/04	1734
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

DISTRIBUTION: White with final report; Green to File; Yellow and Pink to ☐ lab

10/1999 Revision

WELLHEAD INSPECTION CHECKLIST

Client Shell Date 8-12-04

Site Address 2800 Telegraph Ave Oakland

Job Number 040812-DW-1 Technician DW

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
S-1	X							
S-4	X							
S-5	X							
S-6	X							
S-8	X							
S-10	X							
SR-1	X							

NOTES:

WELL GAUGING DATA

Project # 040812-DW-1 Date 8-12-04 Client Shell

Site 2800 Telegraph Ave Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	
S-1	3					9.46	27.95		
S-4	3					10.50	30.15		
S-5	3					10.05	30.05		
S-6	3					9.40	21.62		
S-8	3					10.06	18.85		
S-10	3					9.26	23.90		
SR-1	6					8.42	33.95	✓	

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-1	Site: 2800 Telegraph Ave
Sampler: DW	Date: 8-12-04
Well I.D.: S-1	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 27.95	Depth to Water (DTW): 9.46
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.15	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

6.8 (Gals.) X	3	= 20.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
9:17	68.3	6.2	431	>200	7	Brown
9:18	67.3	6.2	432	>200	14	"
9:20	66.1	6.2	434	>200	21	"

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Date: 8-12-04 Sampling Time: 9:25 Depth to Water: 13.00

Sample I.D.: S-1 Laboratory: (STL) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-OW-1	Site: 2800 Telegraph Ave
Sampler: D W	Date: 8-12-04
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 30.15	Depth to Water (DTW): 10.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.43	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.3 (Gals.) X 3 = 21.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
10:14	67.5	6.8	437	>200	7.3	Brown
10:16	68.3	6.6	414	>200	14.6	"
10:17	67.5	6.5	409	>200	21.9	"

Did well dewater? Yes (No) Gallons actually evacuated: 21.9

Sampling Date: 8-12-04 Sampling Time: 10:22 Depth to Water: 18.20 (5 feet)

Sample I.D.: S-4 Laboratory: (STL) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-1	Site: 2800 Telegraph Ave
Sampler: D W	Date: 8-12-04
Well I.D.: S-5	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 30.05	Depth to Water (DTW): 10.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.05	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.4 (Gals.) X 3 = 22.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
10:30	67.9	6.6	283	73	7.5	clear
10:32	69.4	6.5	276	75	15	"
10:33	69.6	6.4	344	62	22.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 8-12-04 Sampling Time: 10:38 Depth to Water: 14.90 (Street)

Sample I.D.: S-5 Laboratory: (STL) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-1	Site: 2800 Telegraph Ave
Sampler: DW	Date: 8-12-04
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 21.62	Depth to Water (DTW): 9.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.84	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

4.5 (Gals.) X 3 = 13.5 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
11:06	68.0	6.5	309	>200	4.5	
	well	dewatered @ 5 gl. DTW =			19.60	
11:15	69.6	6.5	472	195	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 8-12-04 Sampling Time: 11:15 Depth to Water: 11.60

Sample I.D.: S-6 Laboratory: (STL) Other ____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-OW-1	Site: 2800 Telegraph Ave
Sampler: DW	Date: 8-12-04
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 18.85	Depth to Water (DTW): 10.06
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.81	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

3.3 (Gals.) X 3 = 9.9 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
11:45	71.8	6.5	774	164	3.3	
11:46	72.9	6.4	783	59	6.6	
11:47	73.0	6.4	730	20	9.9	

Did well dewater? Yes (No) Gallons actually evacuated: 9.9

Sampling Date: 8-12-04 Sampling Time: 11:52 Depth to Water: 11.10

Sample I.D.: S-8 Laboratory: (STL) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-1	Site: 2800 Telegraph Ave
Sampler: D W	Date: 8-12-04
Well I.D.: S-10	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 23.90	Depth to Water (DTW): 9.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.18	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: X Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other:_____

5.4 (Gals.) X 3 = 16.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
10:47	67.8	6.7	231	53	5.5	clear
10:48	69.2	6.6	201	154	11	cloudy
10:49	69.4	6.6	213	182	16.5	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 16.5

Sampling Date: 8-12-04 Sampling Time: 1054 Depth to Water: 16.50 (Street)

Sample I.D.: S-10 Laboratory: (STL) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-1	Site: 2800 Telegraph Ave
Sampler: DW	Date: 8-12-04
Well I.D.: SR-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): 33.95	Depth to Water (DTW): 8.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.52	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

37.5 (Gals.) X 3 = 112.5 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
9:41	66.7	6.4	535	14	37.5	clear
9:49	67.5	6.5	552	12	75	"
9:57	66.9	6.6	552	11	112.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 112.5

Sampling Date: 8-12-04 Sampling Time: 10:04 Depth to Water: 13.50

Sample I.D.: SR-1 Laboratory: (STL) Other_____

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

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

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

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

APPENDIX C

Permits

1507

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

LOCATION OF PROJECT 2900 Telegraph Avenue Oakland, CA

CLIENT
Name Shell Oil Products US
Address 20945 S. Wilmington Ave Phone 559-675-9306
City Carson, CA Zip 90810

APPLICANT
Name Geo Mammini
Cambria Environmental Fax (707) 935-6649
Address 2000 Parkway St. Phone (707) 933-3391
City Sonoma, CA Zip 95476

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	☐	Hand Auger	☒
Cable	☐	Other	☐		

DRILLER'S NAME Gregg Drilling & Testing
DRILLER'S LICENSE NO. 485165

WELL PROJECTS
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in. Depth ____ ft.
Surface Seal Depth ____ ft. Owner's Well Number ____

GEOTECHNICAL PROJECTS
Number of Borings 8 Maximum
Hole Diameter 2 in. Depth 15 ft.

STARTING DATE 4/20/04
COMPLETION DATE 4/22/04

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

APPLICANT'S SIGNATURE [signature] DATE 3/25/04
PLEASE PRINT NAME Geo Mammini

Rev.9-18-02

FOR OFFICE USE
PERMIT NUMBER WR04-0419
WELL NUMBER
APN

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 / Contamination
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 - pH 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

APPROVED [signature] DATE 4-13-04

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER **X040** 1855	SITE ADDRESS/LOCATION 2800 Telegraph Avenue, Oakland
APPROX. START DATE 4/20/04 — APPROX. END DATE 4/22/04	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number) 707-933-2371
CONTRACTOR'S LICENSE # AND CLASS C-57 # 485165	CITY BUSINESS TAX # 1039849

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # 126148

2- **48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.**

3- **48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).**

Carl Sibley 238-7262

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. ______________ , B&PC for this reason ______________________________.

WORKER'S COMPENSATION

☒ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # ZAWC190217 Company Name Willis

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

[signature] 4/19/04

Signature of Permittee ☒ Agent for ☐ Contractor ☐ Owner — Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☒ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☒ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☒ YES ☐ NO
ISSUED BY 1507		DATE ISSUED	

extension Granted for 90 days ONLY From AUGUST 2, 2004
Carl Sibley 510 238-7262

APPENDIX D

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	Equilon Enterprises LLC dba Shell Oil Products US	**BORING/WELL NAME**	HB-1
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-04
LOCATION	2800 Telegraph Avenue, Oakland, California	**DRILLING COMPLETED**	21-May-04
PROJECT NUMBER	1507	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	G. Mammini	**DEPTH TO WATER (First Encountered)**	10.0 ft (21-May-04)
REVIEWED BY	A. Friel, RG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT	0.5	
					ML		**Clayey SILT (ML)** ; dark grayish brown (2.5Y 4/2); moist; 20% clay, 75% silt, 5% medium sand; medium plasticity.	4.5	
0.0		HB-1- 5'		5			**Gravelly Silty SAND (SM)**; dark grayish brown (2.5Y 4/2); moist; 5% clay, 20% silt, 60% medium to coarse sand, 15% fine gravel.		
4.6		HB-1- 8'					@8'- **Silty SAND (SM)** ; dark greenish gray (5GY 4/1); 5% clay, 45% silt, 50% fine sand.		Portland Type I/II
3.5		HB-1- 10'		10	SM		@10'- wet; 5% clay, 30% silt, 60% medium to coarse sand, 5% fine gravel.		
257		HB-1- 15'		15			@15'- dark gray (5Y 4/1); 5% clay, 45% silt, 50% fine sand.	16.0	Bottom of Boring @ 16 ft

WELL LOG (PID) I:\OAKLAN~2\GINT\1507.GPJ DEFAULT.GDT 10/18/04

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

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC dba Shell Oil Products US	**BORING/WELL NAME**	HB-2
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-04
LOCATION	2800 Telegraph Avenue, Oakland, California	**DRILLING COMPLETED**	21-May-04
PROJECT NUMBER	1507	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	G. Mammini	**DEPTH TO WATER (First Encountered)**	12.0 ft (21-May-04) ▽
REVIEWED BY	A. Friel, RG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0.5	
							Clayey SILT (ML) ; very dark gray (10YR 3/1); moist; 20% clay, 75% silt, 5% fine sand; medium plasticity.		
					ML				
4.1		HB-2- 5'		5			@4'- **Sandy SILT (ML)** ; yellowish brown (10YR 5/4), 5% clay, 75% silt, 20% fine sand; no plasticity.		
								8.0	
293		HB-2- 8'					**Silty SAND (SM)** ; dark gray (5Y 4/1); very moist; 5% clay, 35% silt, 60% fine sand.		Portland Type I/II
				10					
63.4		HB-2- 12'			SM		@12'- wet, 5% clay, 25% silt, 65% medium to coarse sand, 5% fine gravel. ▽		
7.4		HB-2- 15'		15			@15'- olive gray (5Y 5/2); 5% clay, 35% silt, 60% fine sand.		
0.0		HB-2- 17.5'					@17'- light olive brown (2.5Y 5/3); very moist; 5% clay, 25% silt, 70% medium to coarse sand.	18.0	Bottom of Boring @ 18 ft

WELL LOG (PID) I:\OAKLAN~2\GINT\1507.GPJ DEFAULT.GDT 10/18/04

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

BORING/WELL LOG

CLIENT NAME	Equilon Enterprises LLC dba Shell Oil Products US	**BORING/WELL NAME**	HB-3
JOB/SITE NAME	Former Shell Service Station	**DRILLING STARTED**	21-May-04
LOCATION	2800 Telegraph Avenue, Oakland, California	**DRILLING COMPLETED**	21-May-04
PROJECT NUMBER	1507	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	G. Mammini	**DEPTH TO WATER (First Encountered)**	11.0 ft (21-May-04) ▽
REVIEWED BY	A. Friel, RG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0.5	
					ML		**Clayey SILT (ML)** ; very dark gray (10YR 3/1); moist; 20% clay, 75% silt, 5% fine sand; medium plasticity.		
0.0									
0.0		HB-3- 5'		5			@4'- **Sandy SILT (ML)** ; yellowish brown (10YR 5/4); 5% clay, 70% silt, 25% fine to medium sand; no plasticity. @5'- **Clayey Sandy SILT (ML)** ; dark yellowish brown (10YR 3/6); very moist; 15% clay, 60% silt, 20% fine sand; low plasticity.	7.0	
613		HB-3- 7'			SM		**Silty SAND (SM)** ; dark greenish gray (5GY 4/1); very moist; 5% clay, 35% silt, 60% fine sand.		◄ Portland Type I/II
				10				▽ 11.0	
645		HB-3- 11'			SP		**Gravelly SAND (SP)** ; dark gray (5Y 4/1); wet; 5% silt, 80% medium to coarse sand, 15% fine gravel.	13.0	
63.5		HB-3- 13.5'			SM		**Silty SAND (SM)** ; dark gray (5Y 4/1); wet; 5% clay, 25% silt, 70% fine sand.	14.0	Bottom of Boring @ 14 ft

WELL LOG (PID) I:\OAKLAN~2\GINT\1507.GPJ DEFAULT.GDT 10/18/04

APPENDIX E

Certified Analytical Report

SEVERN TRENT STL

Submission#: 2004-05-0822

Cambria Environmental Sonoma

June 04, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 1507
Project: 97093398
Site: 2800 Telegraph Avenue, Oakland

Attached is our report for your samples received on 05/21/2004 12:40
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 07/05/2004 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 STL

Submission #: 2004-05-0822

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: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
HB-1-10`W	05/21/2004 08:22	Water	14
HB-2-12`W	05/21/2004 10:25	Water	15
HB-3-11`W	05/21/2004 09:35	Water	16

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: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B
Sample ID: HB-1-10-W
Sampled: 05/21/2004 08:22
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260B
Lab ID#: 2004-05-0822 - 14
Extracted: 6/2/2004 21:22
QC Batch#: 2004/06/02-2C.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	70000	5000	ug/L	100.00	06/02/2004 21:22	
Benzene	ND	50	ug/L	100.00	06/02/2004 21:22	
Toluene	1300	50	ug/L	100.00	06/02/2004 21:22	
Ethylbenzene	3200	50	ug/L	100.00	06/02/2004 21:22	
Total xylenes	15000	100	ug/L	100.00	06/02/2004 21:22	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	06/02/2004 21:22	
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	100.00	06/02/2004 21:22	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	06/02/2004 21:22	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	06/02/2004 21:22	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	06/02/2004 21:22	
1,2-DCA	ND	50	ug/L	100.00	06/02/2004 21:22	
EDB	ND	50	ug/L	100.00	06/02/2004 21:22	
Surrogate(s)						
1,2-Dichloroethane-d4	124.6	76-130	%	100.00	06/02/2004 21:22	
Toluene-d8	105.8	78-115	%	100.00	06/02/2004 21:22	

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: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B | Test(s): 8260B

Sample ID: HB 2-12 W | Lab ID: 2004-05-0822-15

Sampled: 05/21/2004 10:25 | Extracted: 6/2/2004 21:46

Matrix: Water | QC Batch#: 2004/06/02-2C.66

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2500	250	ug/L	5.00	06/02/2004 21:46	
Benzene	ND	2.5	ug/L	5.00	06/02/2004 21:46	
Toluene	ND	2.5	ug/L	5.00	06/02/2004 21:46	
Ethylbenzene	110	2.5	ug/L	5.00	06/02/2004 21:46	
Total xylenes	200	5.0	ug/L	5.00	06/02/2004 21:46	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	06/02/2004 21:46	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	06/02/2004 21:46	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	06/02/2004 21:46	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	06/02/2004 21:46	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	06/02/2004 21:46	
1,2-DCA	ND	2.5	ug/L	5.00	06/02/2004 21:46	
EDB	ND	2.5	ug/L	5.00	06/02/2004 21:46	
Surrogate(s)						
1,2-Dichloroethane-d4	118.6	76-130	%	5.00	06/02/2004 21:46	
Toluene-d8	105.4	78-115	%	5.00	06/02/2004 21:46	

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

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B | Test(s): 8260B
Sample ID: HB-3-11 W | Lab ID: 2004-05-0822 -16
Sampled: 05/21/2004 09:35 | Extracted: 6/4/2004 13:29
Matrix: Water | QC Batch#: 2004/06/04-1A.68
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	86000	5000	ug/L	100.00	06/04/2004 13:29	
Benzene	ND	50	ug/L	100.00	06/04/2004 13:29	
Toluene	1300	50	ug/L	100.00	06/04/2004 13:29	
Ethylbenzene	4300	50	ug/L	100.00	06/04/2004 13:29	
Total xylenes	21000	100	ug/L	100.00	06/04/2004 13:29	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	06/04/2004 13:29	
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	100.00	06/04/2004 13:29	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	06/04/2004 13:29	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	06/04/2004 13:29	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	06/04/2004 13:29	
1,2-DCA	ND	50	ug/L	100.00	06/04/2004 13:29	
EDB	ND	50	ug/L	100.00	06/04/2004 13:29	
Surrogate(s)						
1,2-Dichloroethane-d4	97.1	76-130	%	100.00	06/04/2004 13:29	
Toluene-d8	99.1	78-115	%	100.00	06/04/2004 13:29	

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

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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — Water — QC Batch #: 2004/06/02-2C.66

MB: 2004/06/02-2C.66 004 — Date Extracted: 06/02/2004 18:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/02/2004 18:04	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/02/2004 18:04	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/02/2004 18:04	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	06/02/2004 18:04	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	06/02/2004 18:04	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	06/02/2004 18:04	
1,2-DCA	ND	0.5	ug/L	06/02/2004 18:04	
EDB	ND	0.5	ug/L	06/02/2004 18:04	
Benzene	ND	0.5	ug/L	06/02/2004 18:04	
Toluene	ND	0.5	ug/L	06/02/2004 18:04	
Ethylbenzene	ND	0.5	ug/L	06/02/2004 18:04	
Total xylenes	ND	1.0	ug/L	06/02/2004 18:04	
Surrogates(s)					
1,2-Dichloroethane-d4	106.2	76-130	%	06/02/2004 18:04	
Toluene-d8	103.2	78-115	%	06/02/2004 18:04	

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

Cambria Environmental Sonoma
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Batch QC Report

Prep(s): 5030B | Test(s): 8260B
Method Blank | Water | QC Batch # 2004/06/03-1C.68
MB 2004/06/03-1C.68-048 | Date Extracted: 06/03/2004 07:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/03/2004 07:48	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/03/2004 07:48	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/03/2004 07:48	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	06/03/2004 07:48	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	06/03/2004 07:48	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	06/03/2004 07:48	
1,2-DCA	ND	0.5	ug/L	06/03/2004 07:48	
EDB	ND	0.5	ug/L	06/03/2004 07:48	
Benzene	ND	0.5	ug/L	06/03/2004 07:48	
Toluene	ND	0.5	ug/L	06/03/2004 07:48	
Ethylbenzene	ND	0.5	ug/L	06/03/2004 07:48	
Total xylenes	ND	1.0	ug/L	06/03/2004 07:48	
Surrogates(s)					
1,2-Dichloroethane-d4	102.2	76-130	%	06/03/2004 07:48	
Toluene-d8	101.4	78-115	%	06/03/2004 07:48	

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

Cambria Environmental Sonoma
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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B
Test(s): 8260B

Method Blank
Water
QC Batch #: 2004/06/04-1A.68

MB: 2004/06/04-1A.68-034
Date Extracted: 06/04/2004 08:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/04/2004 08:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	06/04/2004 08:34	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	06/04/2004 08:34	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	06/04/2004 08:34	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	06/04/2004 08:34	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	06/04/2004 08:34	
1,2-DCA	ND	0.5	ug/L	06/04/2004 08:34	
EDB	ND	0.5	ug/L	06/04/2004 08:34	
Benzene	ND	0.5	ug/L	06/04/2004 08:34	
Toluene	ND	0.5	ug/L	06/04/2004 08:34	
Ethylbenzene	ND	0.5	ug/L	06/04/2004 08:34	
Total xylenes	ND	1.0	ug/L	06/04/2004 08:34	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	76-130	%	06/04/2004 08:34	
Toluene-d8	99.8	78-115	%	06/04/2004 08:34	

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — Water — QC Batch # 2004/06/02-2C.66

LCS: 2004/06/02-2C.66-016 — Extracted: 06/02/2004 — Analyzed: 06/02/2004 17:16

LCSD: 2004/06/02-2C.66-040 — Extracted: 06/02/2004 — Analyzed: 06/02/2004 17:40

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.2	25.9	25	104.8	103.6	1.2	65-165	20		
Benzene	27.4	26.1	25	109.6	104.4	4.9	69-129	20		
Toluene	26.8	24.5	25	107.2	98.0	9.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	491	522	500	98.2	104.4		76-130			
Toluene-d8	531	542	500	106.2	108.4		78-115			

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch #: 2004/06/03-1C.68

LCS: 2004/06/03-1C.68-010 Extracted: 06/03/2004 Analyzed: 06/03/2004 07:10

LCSD: 2004/06/03-1C.68-029 Extracted: 06/03/2004 Analyzed: 06/03/2004 07:29

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.3	26.7	25	93.2	106.8	13.6	65-165	20		
Benzene	25.1	25.6	25	100.4	102.4	2.0	69-129	20		
Toluene	27.3	26.9	25	109.2	107.6	1.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	476	484	500	95.2	96.8		76-130			
Toluene-d8	509	504	500	101.8	100.8		78-115			

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Water QC Batch # 2004/06/04-1A.68

LCS: 2004/06/04-1A.68-056 Extracted: 06/04/2004 Analyzed: 06/04/2004 07:56

LCSD: 2004/06/04-1A.68-015 Extracted: 06/04/2004 Analyzed: 06/04/2004 08:15

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.1	24.3	25	104.4	97.2	7.1	65-165	20		
Benzene	23.7	24.7	25	94.8	98.8	4.1	69-129	20		
Toluene	26.3	26.3	25	105.2	105.2	0.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	482	488	500	96.4	97.6		76-130			
Toluene-d8	517	524	500	103.4	104.8		78-115			

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

Cambria Environmental Sonoma
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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Legend and Notes

Analysis Flag

o

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

SEVERN TRENT STL

Submission #: 2004-05-0822

Gas/BTEX Fuel Oxygenates 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: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
HB-1-5`	05/21/2004 07:56	Soil	1
HB-1-10`	05/21/2004 08:06	Soil	3
HB-2-5`	05/21/2004 09:45	Soil	5
HB-2-8`	05/21/2004 09:50	Soil	6
HB-2-12`	05/21/2004 09:55	Soil	7
HB-2-15`	05/21/2004 10:00	Soil	8
HB-2-17.5`	05/21/2004 10:05	Soil	9
HB-3-5`	05/21/2004 09:10	Soil	10
HB-3-11`	05/21/2004 09:25	Soil	12

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

Cambria Environmental Sonoma
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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	HB-1-5	Lab ID:	2004-05-0822-1
Sampled:	05/21/2004 07:56	Extracted:	6/2/2004 08:14
Matrix:	Soil	QC Batch#:	2004/06/02-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/02/2004 08:14	
Benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:14	
Toluene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:14	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:14	
Total xylenes	ND	0.0050	mg/Kg	1.00	06/02/2004 08:14	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/02/2004 08:14	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/02/2004 08:14	
EDB	ND	0.0050	mg/Kg	1.00	06/02/2004 08:14	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	70-121	%	1.00	06/02/2004 08:14	
Toluene-d8	101.6	81-117	%	1.00	06/02/2004 08:14	

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	HB1-10	Lab ID:	2004-05-0822-3
Sampled:	05/21/2004 08:06	Extracted:	6/2/2004 08:58
Matrix:	Soil	QC Batch#:	2004/06/02-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/02/2004 08:58	
Benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:58	
Toluene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	06/02/2004 08:58	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/02/2004 08:58	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/02/2004 08:58	
EDB	ND	0.0050	mg/Kg	1.00	06/02/2004 08:58	
Surrogate(s)						
1,2-Dichloroethane-d4	99.3	70-121	%	1.00	06/02/2004 08:58	
Toluene-d8	103.3	81-117	%	1.00	06/02/2004 08:58	

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	HB-2.5	Lab ID:	2004-05-0822-5
Sampled:	05/21/2004 09:45	Extracted:	6/2/2004 08:36
Matrix:	Soil	QC Batch#:	2004/06/02-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/02/2004 08:36	
Benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:36	
Toluene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 08:36	
Total xylenes	ND	0.0050	mg/Kg	1.00	06/02/2004 08:36	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/02/2004 08:36	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/02/2004 08:36	
EDB	ND	0.0050	mg/Kg	1.00	06/02/2004 08:36	
Surrogate(s)						
1,2-Dichloroethane-d4	97.1	70-121	%	1.00	06/02/2004 08:36	
Toluene-d8	100.8	81-117	%	1.00	06/02/2004 08:36	

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B
Test(s): 8260B
Sample ID: HB 2-8
Lab ID: 2004-05-0822-6
Sampled: 05/21/2004 09:50
Extracted: 6/3/2004 23:09
Matrix: Soil
QC Batch#: 2004/06/03-2A.62
Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	16	5.0	mg/Kg	4.95	06/03/2004 23:09	
Benzene	ND	0.025	mg/Kg	4.95	06/03/2004 23:09	
Toluene	ND	0.025	mg/Kg	4.95	06/03/2004 23:09	
Ethyl benzene	0.34	0.025	mg/Kg	4.95	06/03/2004 23:09	
Total xylenes	0.46	0.025	mg/Kg	4.95	06/03/2004 23:09	
Methyl tert-butyl ether (MTBE)	ND	0.025	mg/Kg	4.95	06/03/2004 23:09	
1,2-DCA	ND	0.025	mg/Kg	4.95	06/03/2004 23:09	
EDB	ND	0.025	mg/Kg	4.95	06/03/2004 23:09	
Surrogate(s)						
1,2-Dichloroethane-d4	106.5	70-121	%	4.95	06/03/2004 23:09	
Toluene-d8	96.7	81-117	%	4.95	06/03/2004 23:09	

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: HB-2-12	Lab ID: 2004-05-0822-7
Sampled: 05/21/2004 09:15	Extracted: 6/2/2004 09:20
Matrix: Soil	QC Batch#: 2004/06/02-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2.6	1.0	mg/Kg	1.00	06/02/2004 09:20	
Benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 09:20	
Toluene	ND	0.0050	mg/Kg	1.00	06/02/2004 09:20	
Ethyl benzene	0.020	0.0050	mg/Kg	1.00	06/02/2004 09:20	
Total xylenes	0.030	0.0050	mg/Kg	1.00	06/02/2004 09:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/02/2004 09:20	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/02/2004 09:20	
EDB	ND	0.0050	mg/Kg	1.00	06/02/2004 09:20	
Surrogate(s)						
1,2-Dichloroethane-d4	97.0	70-121	%	1.00	06/02/2004 09:20	
Toluene-d8	99.9	81-117	%	1.00	06/02/2004 09:20	

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: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: HB 2-15	Lab ID: 2004-05-0822-8
Sampled: 05/21/2004 10:00	Extracted: 6/2/2004 09:42
Matrix: Soil	QC Batch#: 2004/06/02-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/02/2004 09:42	
Benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 09:42	
Toluene	ND	0.0050	mg/Kg	1.00	06/02/2004 09:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	06/02/2004 09:42	
Total xylenes	0.0051	0.0050	mg/Kg	1.00	06/02/2004 09:42	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/02/2004 09:42	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/02/2004 09:42	
EDB	ND	0.0050	mg/Kg	1.00	06/02/2004 09:42	
Surrogate(s)						
1,2-Dichloroethane-d4	101.9	70-121	%	1.00	06/02/2004 09:42	
Toluene-d8	102.2	81-117	%	1.00	06/02/2004 09:42	

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

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B | Test(s): 8260B
Sample ID: HB 2.5-7.5 | Lab ID: 2004-05-0822-9
Sampled: 05/21/2004 10:05 | Extracted: 06/3/2004 18:42
Matrix: Soil | QC Batch#: 2004/06/03-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/03/2004 18:42	
Benzene	ND	0.0050	mg/Kg	1.00	06/03/2004 18:42	
Toluene	ND	0.0050	mg/Kg	1.00	06/03/2004 18:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	06/03/2004 18:42	
Total xylenes	ND	0.0050	mg/Kg	1.00	06/03/2004 18:42	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/03/2004 18:42	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/03/2004 18:42	
EDB	ND	0.0050	mg/Kg	1.00	06/03/2004 18:42	
Surrogate(s)						
1,2-Dichloroethane-d4	115.2	70-121	%	1.00	06/03/2004 18:42	
Toluene-d8	105.0	81-117	%	1.00	06/03/2004 18:42	

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: HB 3.5	Lab ID: 2004-05-0822 - 10
Sampled: 05/21/2004 09:10	Extracted: 6/4/2004 10:40
Matrix: Soil	QC Batch#: 2004/06/04-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/04/2004 10:40	
Benzene	ND	0.0050	mg/Kg	1.00	06/04/2004 10:40	
Toluene	ND	0.0050	mg/Kg	1.00	06/04/2004 10:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	06/04/2004 10:40	
Total xylenes	ND	0.0050	mg/Kg	1.00	06/04/2004 10:40	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/04/2004 10:40	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/04/2004 10:40	
EDB	ND	0.0050	mg/Kg	1.00	06/04/2004 10:40	
Surrogate(s)						
1,2-Dichloroethane-d4	131.9	70-121	%	1.00	06/04/2004 10:40	sh
Toluene-d8	113.7	81-117	%	1.00	06/04/2004 10:40	

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

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B | Test(s): 8260B
Sample ID: HB-3.11 | Lab ID: 2004.05.0822-12
Sampled: 05/21/2004 09:25 | Extracted: 6/3/2004 09:00
Matrix: Soil | QC Batch#: 2004/06/03-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4.8	1.0	mg/Kg	1.00	06/03/2004 09:00	
Benzene	ND	0.0050	mg/Kg	1.00	06/03/2004 09:00	
Toluene	ND	0.0050	mg/Kg	1.00	06/03/2004 09:00	
Ethyl benzene	0.034	0.0050	mg/Kg	1.00	06/03/2004 09:00	
Total xylenes	0.17	0.0050	mg/Kg	1.00	06/03/2004 09:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	06/03/2004 09:00	
1,2-DCA	ND	0.0050	mg/Kg	1.00	06/03/2004 09:00	
EDB	ND	0.0050	mg/Kg	1.00	06/03/2004 09:00	
Surrogate(s)						
1,2-Dichloroethane-d4	96.6	70-121	%	1.00	06/03/2004 09:00	
Toluene-d8	98.5	81-117	%	1.00	06/03/2004 09:00	

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

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B | Test(s): 8260B

Method Blank | Soil | **QC Batch # 2004/06/02-1A.62**

MB: 2004/06/02-1A.62-021 | Date Extracted: 06/02/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	06/02/2004 07:21	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	06/02/2004 07:21	
1,2-DCA	ND	0.0050	mg/Kg	06/02/2004 07:21	
EDB	ND	0.0050	mg/Kg	06/02/2004 07:21	
Benzene	ND	0.0050	mg/Kg	06/02/2004 07:21	
Toluene	ND	0.0050	mg/Kg	06/02/2004 07:21	
Ethyl benzene	ND	0.0050	mg/Kg	06/02/2004 07:21	
Total xylenes	ND	0.0050	mg/Kg	06/02/2004 07:21	
Surrogates(s)					
1,2-Dichloroethane-d4	102.0	70-121	%	06/02/2004 07:21	
Toluene-d8	105.5	81-117	%	06/02/2004 07:21	

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Method Blank Soil QC Batch#: 2004/06/03-1A.62

MB: 2004/06/03-1A.62-041 Date Extracted: 06/03/2004 07:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	06/03/2004 07:41	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	06/03/2004 07:41	
1,2-DCA	ND	0.0050	mg/Kg	06/03/2004 07:41	
EDB	ND	0.0050	mg/Kg	06/03/2004 07:41	
Benzene	ND	0.0050	mg/Kg	06/03/2004 07:41	
Toluene	ND	0.0050	mg/Kg	06/03/2004 07:41	
Ethyl benzene	ND	0.0050	mg/Kg	06/03/2004 07:41	
Total xylenes	ND	0.0050	mg/Kg	06/03/2004 07:41	
Surrogates(s)					
1,2-Dichloroethane-d4	105.0	70-121	%	06/03/2004 07:41	
Toluene-d8	102.8	81-117	%	06/03/2004 07:41	

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

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B | Test(s): 8260B
Method Blank | Soil | QC Batch # 2004/06/03-2A.62
MB 2004/06/03-2A.62.015 | Date Extracted: 06/03/2004 18:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	06/03/2004 18:15	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	06/03/2004 18:15	
1,2-DCA	ND	0.0050	mg/Kg	06/03/2004 18:15	
EDB	ND	0.0050	mg/Kg	06/03/2004 18:15	
Benzene	ND	0.0050	mg/Kg	06/03/2004 18:15	
Toluene	ND	0.0050	mg/Kg	06/03/2004 18:15	
Ethyl benzene	ND	0.0050	mg/Kg	06/03/2004 18:15	
Total xylenes	ND	0.0050	mg/Kg	06/03/2004 18:15	
Surrogates(s)					
1,2-Dichloroethane-d4	104.2	76-124	%	06/03/2004 18:15	
Toluene-d8	101.4	75-116	%	06/03/2004 18:15	

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

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B
Method Blank — Soil — QC Batch: 2004/06/04-1A.62
MB: 2004/06/04-1A.62-052 — Date Extracted: 06/04/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	06/04/2004 07:52	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	06/04/2004 07:52	
1,2-DCA	ND	0.0050	mg/Kg	06/04/2004 07:52	
EDB	ND	0.0050	mg/Kg	06/04/2004 07:52	
Benzene	ND	0.0050	mg/Kg	06/04/2004 07:52	
Toluene	ND	0.0050	mg/Kg	06/04/2004 07:52	
Ethyl benzene	ND	0.0050	mg/Kg	06/04/2004 07:52	
Total xylenes	ND	0.0050	mg/Kg	06/04/2004 07:52	
Surrogates(s)					
1,2-Dichloroethane-d4	102.3	76-124	%	06/04/2004 07:52	
Toluene-d8	104.9	75-116	%	06/04/2004 07:52	

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

Cambria Environmental Sonoma

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Project: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — Soil — QC Batch #: 2004/06/02-1A.62

LCS: 2004/06/02-1A.62-037 — Extracted: 06/02/2004 — Analyzed: 06/02/2004 06:37

LCSD: 2004/06/02-1A.62-059 — Extracted: 06/02/2004 — Analyzed: 06/02/2004 06:59

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0432	0.0447	0.05	86.4	89.4	3.4	65-165	20		
Benzene	0.0440	0.0462	0.05	88.0	92.4	4.9	69-129	20		
Toluene	0.0487	0.0510	0.05	97.4	102.0	4.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	498	497	500	99.6	99.4		70-121			
Toluene-d8	509	541	500	101.8	108.2		81-117			

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

Cambria Environmental Sonoma

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Project: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Soil QC Batch #: 2004/06/03-1A.62

LCS 2004/06/03-1A.62-057 Extracted: 06/03/2004 Analyzed: 06/03/2004 06:57

LCSD 2004/06/03-1A.62-019 Extracted: 06/03/2004 Analyzed: 06/03/2004 07:19

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0521	0.0473	0.05	104.2	94.6	9.7	65-165	20		
Benzene	0.0519	0.0533	0.05	103.8	106.6	2.7	69-129	20		
Toluene	0.0530	0.0522	0.05	106.0	104.4	1.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	487	463	500	97.4	92.6		70-121			
Toluene-d8	515	515	500	103.0	103.0		81-117			

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

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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Soil QC Batch #: 2004/06/03-2A.62

LCS: 2004/06/03-2A.62-031 Extracted: 06/03/2004 Analyzed: 06/03/2004 17:31

LCSD: 2004/06/03-2A.62-053 Extracted: 06/03/2004 Analyzed: 06/03/2004 17:53

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0490	0.0486	0.05	98.0	97.2	0.8	65-165	20		
Benzene	0.0497	0.0505	0.05	99.4	101.0	1.6	69-129	20		
Toluene	0.0529	0.0523	0.05	105.8	104.6	1.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	482	481	500	96.4	96.2		76-124			
Toluene-d8	521	519	500	104.2	103.8		75-116			

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

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Soil QC Batch # 2004/06/04-1A.62

LCS 2004/06/04-1A.62.008 Extracted: 06/04/2004 Analyzed: 06/04/2004 07:08

LCSD 2004/06/04-1A.62.080 Extracted: 06/04/2004 Analyzed: 06/04/2004 07:30

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0451	0.0493	0.05	90.2	98.6	8.9	65-165	20		
Benzene	0.0487	0.0471	0.05	97.4	94.2	3.3	69-129	20		
Toluene	0.0505	0.0500	0.05	101.0	100.0	1.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	448	490	500	89.6	98.0		76-124			
Toluene-d8	517	493	500	103.4	98.6		75-116			

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

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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) Soil **QC Batch # 2004/06/02-1A.62**

HB-2.5 => MS Lab ID: 2004-05-0822 - 005

MS: 2004/06/02-1A.62-058 Extracted: 06/02/2004 Analyzed: 06/02/2004 11:58
Dilution: 1.00

MSD: 2004/06/02-1A.62-020 Extracted: 06/02/2004 Analyzed: 06/02/2004 12:20
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0454	0.0385	ND	0.047348	96.0	87.2	9.6	65-165	20		
Benzene	0.0425	0.0412	ND	0.047348	89.9	93.3	3.7	69-129	20		
Toluene	0.0462	0.0445	ND	0.047348	97.7	100.7	3.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	518	483		500	103.5	96.6		70-121			
Toluene-d8	529	530		500	105.8	106.0		81-117			

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

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Legend and Notes

Analysis Flag

o

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

Result Flag

sh

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

SEVERN TRENT STL

Submission #: 2004-05-0822

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
HB-1-8`	05/21/2004 08:00	Soil	2
HB-1-15`	05/21/2004 08:10	Soil	4
HB-3-7`	05/21/2004 09:20	Soil	11
HB-3-13.5`	05/21/2004 09:30	Soil	13

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: HB-1-8	Lab ID: 2004-05-0822-2
Sampled: 05/21/2004 08:00	Extracted: 6/2/2004 21:57
Matrix: Soil	QC Batch#: 2004/06/02-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	mg/Kg	1.00	06/02/2004 21:57	
Benzene	ND	0.50	mg/Kg	1.00	06/02/2004 21:57	
Toluene	1.4	0.50	mg/Kg	1.00	06/02/2004 21:57	
Ethyl benzene	ND	0.50	mg/Kg	1.00	06/02/2004 21:57	
Total xylenes	2.1	0.50	mg/Kg	1.00	06/02/2004 21:57	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	06/02/2004 21:57	
1,2-DCA	ND	0.50	mg/Kg	1.00	06/02/2004 21:57	
EDB	ND	0.50	mg/Kg	1.00	06/02/2004 21:57	
Surrogate(s)						
1,2-Dichloroethane-d4	93.6	53-129	%	1.00	06/02/2004 21:57	
Toluene-d8	105.8	47-136	%	1.00	06/02/2004 21:57	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma

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Project: 1507
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Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	HB-1115-4	Lab ID:	2004-05-0822 - 4
Sampled:	05/21/2004 08:10	Extracted:	6/2/2004 22:19
Matrix:	Soil	QC Batch#:	2004/06/02-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	510	50	mg/Kg	1.00	06/02/2004 22:19	
Benzene	ND	0.50	mg/Kg	1.00	06/02/2004 22:19	
Toluene	2.2	0.50	mg/Kg	1.00	06/02/2004 22:19	
Ethyl benzene	9.4	0.50	mg/Kg	1.00	06/02/2004 22:19	
Total xylenes	53	0.50	mg/Kg	1.00	06/02/2004 22:19	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	06/02/2004 22:19	
1,2-DCA	ND	0.50	mg/Kg	1.00	06/02/2004 22:19	
EDB	ND	0.50	mg/Kg	1.00	06/02/2004 22:19	
Surrogate(s)						
1,2-Dichloroethane-d4	93.0	53-129	%	1.00	06/02/2004 22:19	
Toluene-d8	93.5	47-136	%	1.00	06/02/2004 22:19	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma

Attn.: Ana Friel

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

Project: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	HB-3-7	Lab ID:	2004-05-0822-11
Sampled:	05/21/2004 09:20	Extracted:	6/3/2004 10:28
Matrix:	Soil	QC Batch#:	2004/06/02-2A.62
Analysis Flag(s): (See Legend and Note) Section			N

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4900	500	mg/Kg	10.00	06/03/2004 10:28	
Benzene	ND	5.0	mg/Kg	10.00	06/03/2004 10:28	
Toluene	9.3	5.0	mg/Kg	10.00	06/03/2004 10:28	
Ethyl benzene	81	5.0	mg/Kg	10.00	06/03/2004 10:28	
Total xylenes	490	5.0	mg/Kg	10.00	06/03/2004 10:28	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	06/03/2004 10:28	
1,2-DCA	ND	5.0	mg/Kg	10.00	06/03/2004 10:28	
EDB	ND	5.0	mg/Kg	10.00	06/03/2004 10:28	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	10.00	06/03/2004 10:28	sd
Toluene-d8	NA	47-136	%	10.00	06/03/2004 10:28	sd

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma
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Project: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	HB-3-13.5	Lab ID:	2004-05-0822-13
Sampled:	05/21/2004 09:30	Extracted:	6/2/2004 23:03
Matrix:	Soil	QC Batch#:	2004/06/02-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	120	50	mg/Kg	1.00	06/02/2004 23:03	
Benzene	ND	0.50	mg/Kg	1.00	06/02/2004 23:03	
Toluene	ND	0.50	mg/Kg	1.00	06/02/2004 23:03	
Ethyl benzene	2.3	0.50	mg/Kg	1.00	06/02/2004 23:03	
Total xylenes	12	0.50	mg/Kg	1.00	06/02/2004 23:03	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	06/02/2004 23:03	
1,2-DCA	ND	0.50	mg/Kg	1.00	06/02/2004 23:03	
EDB	ND	0.50	mg/Kg	1.00	06/02/2004 23:03	
Surrogate(s)						
1,2-Dichloroethane-d4	92.2	53-129	%	1.00	06/02/2004 23:03	
Toluene-d8	100.1	47-136	%	1.00	06/02/2004 23:03	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma

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

Project: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B | Soil | Test(s): 8260B

Method Blank | QC Batch#: 2004/06/02-2A62 | Date Extracted: 06/02/2004 18:15

MB: 2004/06/02-2A62-015

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	06/02/2004 18:15	
Benzene	ND	0.50	mg/Kg	06/02/2004 18:15	
Toluene	ND	0.50	mg/Kg	06/02/2004 18:15	
Ethyl benzene	ND	0.50	mg/Kg	06/02/2004 18:15	
Total xylenes	ND	0.50	mg/Kg	06/02/2004 18:15	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	06/02/2004 18:15	
1,2-DCA	ND	0.50	mg/Kg	06/02/2004 18:15	
EDB	ND	0.50	mg/Kg	06/02/2004 18:15	
Surrogates(s)					
1,2-Dichloroethane-d4	84.0	53-129	%	06/02/2004 18:15	
Toluene-d8	88.7	47-136	%	06/02/2004 18:15	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma

Attn.: Ana Friel

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

Project: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Soil QC Batch # 2004/06/02-2A.62

LCS 2004/06/02-2A62-036 Extracted: 06/02/2004 Analyzed: 06/02/2004 16:36

LCSD 2004/06/02-2A62-021 Extracted: 06/02/2004 Analyzed: 06/02/2004 17:21

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	10.0	9.70	10	100.0	97.0	3.0	69-129	20		
Toluene	10.5	10.3	10	105.0	103.0	1.9	70-130	20		
Methyl tert-butyl ether (MTBE)	8.60	8.83	10	86.0	88.3	2.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	218	208	250	87.2	83.2		53-129			
Toluene-d8	250	248	250	100.0	99.2		47-136			

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma
Attn.: Ana Friel

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

Project: 1507
97093398

Received: 05/21/2004 12:40

Site: 2800 Telegraph Avenue, Oakland

Legend and Notes

Analysis Flag

o

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

Result Flag

sd

Surrogate recovery not reportable due to required dilution.

SHELL Chain Of Custody Record

86179

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be invoiced: Karen Petryna

☒ SHELL ENGINEERING ☐ REAL ESTATE SERVICES ☐ CONFIDENTIAL

2004-05-0822

9 5 0 9 3 3 9 8

DATE: 5/21/04

PAGE: 1 of 2

CONSULTANT COMPANY: Cambria Environmental Technology, Inc.	CONSULTANT CODE: CETS	SITE ADDRESS (Street and City): 2800 Telegraph Avenue, Oakland	GLOBAL ID NO.: T0600101744
ADDRESS: 270 Perkins Street, Sonoma, CA 95476		EDF DELIVERABLE TO (Responsible Party or Consultant): Ana Friel	PHONE NO.: (707) 942-2760
PROJECT CONTACT (Hardcopy or PDF Report to): Ana Friel		E-MAIL: afriel@cambria-env.com	CONSULTANT PROJECT NO.: 1502
TELEPHONE: (707) 942-2760	FAX: (707) 935-6649	E-MAIL: afriel@cambria-env.com	SAMPLER NAME(S) PRINTED: Geo Mammini

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GLOBAL ID NO. CONFIRMATION: HIGHEST: _____ HIGHEST per BORING: _____ ALL: _____

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

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	DO	% Oxygenates	EDB and EDC	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT 5 ☐ LUFT 10 ☐	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Oxygenates						
HB-1-5'	5/21	7:55	Soil	1	X		X	X			X														
HB-1-8'	5/21	8:00	Soil	1	X		X	X			X														
HB-1-10'	5/21	8:05	Soil	1	X		X	X			X														
HB-1-15'	5/21	8:10	Soil	1	X		X	X			X														
HB-2-5'	5/21	9:45	Soil	1	X		X	X			X														
HB-2-8'	5/21	9:50	Soil	1	X		X	X			X														
HB-2-12'	5/21	9:55	Soil	1	X		X	X			X														
HB-2-15'	5/21	10:00	Soil	1	X		X	X			X														
HB-2-17.5'	5/21	10:05	Soil	1	X		X	X			X														
HB-3-5'	5/21	9:10	Soil	1	X		X	X			X														

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

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Date: 5/21/04	Received by: (Signature)	Date:
Relinquished by: (Signature)		Received by: (Signature)	Date: 5/21/04 Time: 12:40
Relinquished by: (Signature)		Received by: (Signature) Denise Harrington / STL-SF	Date: 5/21/04 Time: 16:30

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10/16/00 Revision

STL-San Francisco

1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

SHELL Chain Of Custody Record

Shell Project Manager to be Invoiced:

- ☒ SCIENCE & ENGINEERING
- ☐ TECHNICAL SERVICES
- ☐ CRMT HOUSTON

Karen Petryna

2004-05-0822

Incident Number: 9 7 0 9 3 3 9 8

DATE: 5/21/04

PAGE: 2 of 2

Lab Company	Cambria Environmental Technology, Inc.
Log Code	CETS
Address	270 Perkins Street, Sonoma, CA 95476
Project Contact	Ana Friel
Telephone	707-442-2700
Fax	707-935-6649
E-mail	afriel@cambria-env.com
Site Address (Street and City)	2800 Telegraph Avenue, Oakland
Global ID No.	T0600101244
EDF Deliverable To (Responsible Party or Designee)	Ana Friel
Phone No.	(707) 442-2700
E-mail	sonomaedf@cambria-env.com
Consultant Project No.	1507
Sampler Name(s) (Print)	Gero Mammini

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ________

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

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

REQUESTED ANALYSIS

Field Sample Identification	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	[redacted] EDB and EDC	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal							Field Notes: Container/Preservative or PID Readings or Laboratory Notes
HB-3-7'	5/21	9:20	Soil	1	X		X	X			X															
HB-3-11'	5/21	9:25	Soil	1	X		X	X			X															
HB-3-13.5'	5/21	9:30	Soil	1	X		X	X			X															
HB-1-10'W	5/21	8:22	H_2O	4	X		X			X	X															
HB-2-12'W	5/21	6:25	H_2O	4	X		X			X	X															
HB-3-11'W	5/21	9:35	H_2O	4	X		X			X	X															

TEMPERATURE ON RECEIPT C°:

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature] 5/21/04			
[signature]	[signature]	5/21/04	12:40
[signature]	Denise Harrington / STL-SF	5/21/04	1330

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10/18/00 Revision