

# DESERT PETROLEUM INC.

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Alameda County  
Environmental Health

Mr. Jerry Wickham  
Alameda County Health Care Services  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
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(510) 567-6791  
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January 21, 2009


RE: The following report documents the "Fourth Quarter 2008 Groundwater Sampling Report/Update Status, Former Desert Petroleum Site DP793" dated January 20, 2009, documents groundwater monitor well samplings that occurred in December 17, 2008 at DP 793, 4035 Park Blvd., Oakland, California 94602.

Dear Mr. Wickham:

I have reviewed the enclosed report that I contracted Western Geo-Engineers to prepare.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

Sincerely,

  
\_\_\_\_\_  
William Thompson, Desert Petroleum, Inc.

1/22/09  
Date

FOURTH QUARTER 2008  
GROUNDWATER SAMPLING REPORT

FORMER DESERT SITE DP 793  
4035 PARK BLVD.  
OAKLAND, CA.

FOR

DESERT PETROLEUM

**January 20, 2009**

BY

-WEGE-  
WESTERN GEO-ENGINEERS  
1386 E. BEAMER STREET  
WOODLAND, CALIFORNIA 95776  
(530) 668-5300

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Mr. Bill Thompson  
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January 20, 2009

Dear Mr. Thompson:

The following report documents the fourth quarter 2008 sampling at DP793, 4035 Park Blvd., Oakland, California.

## **1.0 SITE LOCATION AND IDENTIFICATION NUMBERS**

Former Desert Petroleum #793 is a non-active service station (USTs and associated piping removed June 23, 1994), located on the northwest corner of the intersection of Park Boulevard and Hampel Street at 4035 Park Blvd., Oakland, California (Figure 1). The site is located in projected section 32; T1S; R3W; MDB&M at an approximate elevation of 210 feet above mean sea level (Figure 2).

East Bay Municipal Utility District - Sewer Discharge Permit #50435501  
Alameda County Local Oversight STID 1248  
San Francisco Bay Regional Board (Region 2) Case # 01-0170  
Facility/Leak Site ID# T0600100158

## **2.0 SITE INVESTIGATION/REMEDiation CHRONOLOGY**

November 30, 1989	Alameda County Health Department (Mr. Ariu Levi) notified Desert Petroleum that gasoline was trickling into a sewer on Brighton Avenue through a crack in the bottom of the sewer access. Desert Petroleum's area manager sent to site to reconstruct and audit tank inventories and sales records. The audit indicated overages on all tanks.
December 1, 1989	Desert Petroleum contacted the station tenant, Mr. Jason Gopad, and advised him to test the fuel tanks and associated piping.
December 5, 1989	The retail fueling facility was closed.
December 6, 1989	Mr. Gopad had the underground storage tanks tested. The test results were inconclusive.
December 7, 1989	All fuel was removed from the underground storage tanks. The product lines were tested by Walton Engineering. The regular leaded and super unleaded lines passed. The regular unleaded line failed. A 1/2 inch hole in the 2 inch unleaded supply line was located beneath the eastern pump island. An ultrasound investigation was conducted to determine the location of the onsite sewer line. An onsite soil gas survey was conducted and indicated contamination associated with the pump islands and the sewer line on the western edge of the property.

December 8, 1989 Desert Petroleum submitted Unauthorized Release Report, drilling permits for site assessment obtained from Alameda County Flood Control and Water Conservation District, Zone 7, Underground Service Alert was notified.

December 11, 1989 Onsite drilling/sampling and well installation initiated, i.e., sample borings RS-1, RS-2, RS-3, RS-5 and RS-4. Groundwater monitoring wells installed into borings RS-1, RS-5, and RS-6. Vapor extraction well installed into boring RS-2.

December 12, 1989 Encroachment permit secured from the City of Oakland for assessment work in Brighton Avenue. Sample boring RS-4 drilled and sampled just east of the sewer access in Brighton Avenue to the 10 foot depth.

December 13, 1989 The area northeast of the sewer access was excavated with a backhoe. Gasoline appeared to be seeping from the backfill around the sewer line. A water supply line was inadvertently broke (USA markings incorrectly marked the location of this line). A vacuum truck was used to pump out the water/product from the excavation. Approximately 7,200 gallons of water/gasoline was manifested and sent to H & H Shipyard for treatment and disposal. The water line was repaired, perforated 4 inch PVC pipe was placed vertically into the excavation and the excavation backfilled with pea gravel from approximately the 8 foot depth to sub-grade, well RS-7. A portable vapor extraction unit connected to the sewer and RS-7 (operated during daylight hours).

December 15, 1989 RSI S.A.V.E. vapor extraction system installed and connected to onsite wells RS-1, RS-2, RS-5 and RS-6. It operated continuously for one week, then during daylight hours thereafter due to noise complaints from neighbors. Length of vapor extraction and amounts of hydrocarbons removed not documented.

July 24, 1990 Soil boring/sampling investigations near the sewer lateral in residential backyard 1227 Hampel Avenue.

August 21, 1990 Soil boring/sampling investigations near the sewer lateral in residential backyards 4006 Brighton Avenue and 4010/4012 Brighton Avenue.

December 1990 Commenced quarterly groundwater monitoring.

September 8, 1993 Levine - Fricke, conducted soil boring/sampling investigation at residences 4003 Park Blvd. and 4006 Brighton Avenue. Constructed monitor well at 4003 Park Blvd for property owner of 4003 Park Blvd (not a part of 4035 Park Blvd. site assessment/investigation).

June 23, 1994 Removed all USTs and associated piping from 4035 Park Blvd.

August 14, 1995 Over-excavated UST and dispenser areas at 4035 Park Blvd 1700 cubic yards of non-hazardous soil transported to and disposed at Forward Landfill, Stockton, California. Installed excavation well R3 (6 inch slotted PVC to 15 feet below surface) south of building, backfill excavation to 5 1/2 feet below surface with 1/4 inch pea gravel. Excavating removed monitor well RS-1.

August 16, 1995 Excavated and removed hydraulic hoists from station building.

August 31, 1995 Exploratory excavation at waste oil UST area, north of building and exploratory excavation west of building to 17 feet below surface. Installed excavation wells R1 in west excavation and R2 in north excavation.

September 5, 1995 Drill/sampled and installed replacement well for RS-1 (MW-1).

May 2, 1996 Soil Probe Survey and soil sample borings along sewer route from 4035 Park Blvd. through back yards, to Brighton Avenue. Temporary casing set in hand augered borings BH-1, BH-2, BH-3, BH-4 and BH-5. Conducted slug tests on BH-1, BH-2, BH-3 and BH-5. Not enough water entry into BH-4 to conduct test. The following hydraulic conductivities (k) were calculated; BH-1 = 0.15 ft/day, BH-2 = 2.9 ft/day, BH-3 = 0.11 ft/day, and BH-5 = 4.8 ft/day.

January 17, 1997 Soil Probe Survey Brighton Avenue  
August 12, 1999 Installed receptor trench, Brighton Avenue. 148 cubic yards non hazardous gasoline contaminated soil transported and disposed of at Vacaville Landfill, Vacaville, California. Installed wells RS-8, RS-9 and RS-10.

October 7, 1999 Pumped 19,451 gallons of gasoline contaminated groundwater from receptor trench, stored in above ground 22,000 gallon Baker tank.

January 24, 2000 Obtained sewer discharge permit from East Bay Municipal Utility District, started discharge of water stored in Baker tank to city sewer.

May 4, 2000 Started weekly purging of receptor trench well T1 (4 hours once per week). Discharged purged water through water carbon and then to sewer.

February 15, 2001 Set submersible pump in RS-5 to pump continuously, continued once a week purging of receptor well T1 (46,121 gallons removed from receptor trench well).

July 19, 2001 Ceased pumping of RS-5 and weekly purging of T1; 62,511 gallons removed from T1 and 78,919 gallons removed from RS-5 (total 141,430 gallons of gasoline contaminated groundwater treated and disposed to sewer).

March 21, 2002 Resumed pumping at RS-5.  
August 6, 2002 246,849 gallons of gasoline contaminated groundwater pumped, treated and disposed to sewer.

November 20, 2002 Commenced weekly hand bailing of free phase product from well RS-8.  
December 12, 2002 Purged receptor trench of 1432 gallons gasoline tainted groundwater.  
January 9, 2003 Purged receptor trench of 1349 gallons gasoline tainted groundwater.  
January 30, 2003 Purged receptor trench of 1624 gallons gasoline tainted groundwater.  
March 13, 2003 Purged receptor trench of 1413 gallons gasoline tainted groundwater.  
April 3, 2003 Purged receptor trench of 1305 gallons gasoline tainted groundwater.  
April 9, 2003 Demolished existing service station building.  
April 15, 2003 Replaced RS05 groundwater recovery pump with WEGE pump, while RS05 pump is serviced.

May 1, 2003 Reinstalled RS05 groundwater recovery pump.  
Submitted Workplan to Investigate Contaminated Soils Above and Below the Water Table at the Former Area of the Station Building, 4035 Park Blvd., Oakland, CA.

May 6, 2003 Purged receptor trench of 1589 gallons gasoline tainted groundwater.  
May 21, 2003 Purged receptor trench of 2544 gallons gasoline tainted groundwater.  
June 25, 2003 Purged receptor trench of 1796 gallons gasoline tainted groundwater.  
July 17, 2003 Purged receptor trench of 1560 gallons gasoline tainted groundwater.  
July 31, 2003 Notice to initiate Workplan submitted May 1, 2003  
August 6, 2003 Alameda County Health, Scott Seery, phoned Western Geo-Engineers, notifying them not to proceed with workplan.

August 13, 2003	Purged receptor trench of 1574 gallons gasoline tainted groundwater.
September 4, 2003	Purged receptor trench of 1477 gallons gasoline tainted groundwater.
October 3, 2003	Purged receptor trench of 1285 gallons gasoline tainted groundwater.
October 16, 2003	Removed water carbon unit #1, placed new water carbon in #2 position and moved #2 water carbon into #1 position.
November 20, 2003	Purged receptor trench of 1303 gallons gasoline tainted groundwater.
December 18, 2003	Purged receptor trench of 1303 gallons gasoline tainted groundwater.
January 22, 2004	Purged receptor trench of 1175 gallons gasoline tainted groundwater.
February 26, 2004	Purged receptor trench of 102 gallons gasoline tainted groundwater.
March 30, 2004	Purged receptor trench of 975 gallons gasoline tainted groundwater.
April 29, 2004	Purged receptor trench of 1406 gallons gasoline tainted groundwater.
May 13, 2004	Turned pumping system off, removed lid from #1 carbon and removed scaling from top of carbon, replaced lid and restarted pump.
May 27, 2004	Purged receptor trench of 1647 gallons gasoline tainted groundwater.
June 30, 2004	Purged receptor trench of 1759 gallons gasoline tainted groundwater.
July 29, 2004	No electrical power to treatment compound; has been disconnected.
September 24, 2004	New power panel at site, need 100 feet extension cord to connect pump controller to power for RS-5.
September 28, 2004	Restarted pumping at RS-5. Performed 1/4ly well samplings. Purged receptor trench of 1911 gallons.
September 30, 2004	Containment berm full of water, inspected carbon #1, leaking from bottom. Turned system off and removed carbon from system.
October 15, 2004	Took delivery of new water carbon placed #2 carbon into #1 position, new carbon into #2 position, restarted pumping system.
December 8, 2004	Performed 1/4ly well samplings.
December 9-16, 2004	Direct push/cored 12 borings to obtain groundwater and soil samples.
March 8, 2005	Published Conceptual Model
March 23, 2005	Performed 1/4ly well samplings.
June 1, 2005	Performed 1/4ly well samplings.
September 21, 2005	Performed 1/4ly well samplings.
December 7, 2005	Performed 1/4ly well samplings.
February 13, 2006	Published Work Plan to: Over-excavate benzene contaminated soils; to connect the receptor trench to treatment compound; further define TPHg groundwater plume.
March 28, 2006	Performed 1/4ly well samplings.
June 21, 2006	Performed 1/4ly well samplings.
September 13, 2006	Performed 1/4ly well samplings.
October 19, 2006	Installed new water meter at carbon effluent, Meter # 82773286.
November 27, 2006	Destroyed monitor wells MW1, RS2 and RS6. Conducted hand auger soil and groundwater sampling downgradient of RS9.
December 21, 2006	Performed 1/4ly well samplings.
March 12, 2007	Performed 1/4ly well samplings.
June 20, 2007	Performed 1/4ly well samplings
September 26, 2007	Performed 1/4ly well samplings
October 5, 2007	Signed Proposal and Contract Agreement to connect intercept trench
December 18, 2007	Performed 1/4ly well samplings

February 28, 2008	Turned off groundwater pump and treatment system, pinhole leak in #1 water carbon.
March 3, 2008	Removed #1 water carbon, set-up #2 water carbon into #1 position and newly delivered water carbon into #2 position. Restarted groundwater pump and treatment system.
March 12, 2008	Cleaned and inspected RS5 pump, Performed 1/4ly well sampling
June 25, 2008	Obtained sewer discharge sample with EBMUD, monitored and sampled groundwater wells for 2 <sup>nd</sup> ¼ 2008 monitoring report.
September 17, 2008	Performed 1/4ly sampling of wells.
September 25, 2008	Pulled pump from RS5, needed extensive cleaning and service.
October 10, 2008	Reinstalled pump into RS5.

### **3.0 LOCAL GEOLOGY**

#### *3.1 Geomorphology*

The site is located on the western slope of the Berkeley Hills. The Berkeley Hills are a northwest-southeast trending range within the Coastal Range Province of California. Erosion of the Coastal Ranges has filled the valleys within and bordering the Coastal Range with sequences of gravels, silts, sands, and clays.

#### *3.2 Stratigraphy*

##### Station Property

The native soil from surface to 13 feet below ground surface (BGS) consists of dark brown silty clay. The dark brown clay is underlain by light brown stiff clay that includes subrounded to rounded metavolcanic gravel. This clay extends to approximately 23 feet BGS at the northwest corner of the site. A fine to medium sand, clayey sand, and silty sand underlies the gravel and clay.

##### Backyard Sewer Lateral Route

Assessments performed along the sewer lateral as it leaves the site and routes through the residential area towards Brighton Avenue show the subsurface to consist of fill from a couple of inches thick to two feet thick. Beneath the fill is a sequence of clay formations that vary from light brown to dark gray to approximately the 6 foot depth. Silty clay then extends to approximately the 14-foot depth. Beneath the silty clay is sand with occasional gravel. This sand is 11 feet thick at RS5 and is underlain by silty clay.

##### Brighton Avenue

Construction of the receptor trench along the eastern curb area of Brighton Avenue revealed two separate sequences of lithology. North of the storm drain catch basin the sequence consists of; clay to the four foot depth, silty clay to the seven foot depth, fine silty sand to the 9 foot depth, medium sand to the 10 foot depth, silty clay to the 11 ½ foot depth, gravel to the 12 foot depth underlain by clay to the 16 foot depth. South of the storm catch basin is a sequence of silty clays and clays to depth.



Sandier sequence of sediments north of the storm water catch basin at Brighton Avenue compared to the sediments south of the storm water catch basin, indicate a facies change or a fault remnant striking east/west near the storm drain catch basin. A topographic lineation along the 200 foot contour is located in this area, see Figure 2.

## **4.0 COLLECTION AND ANALYSIS OF GROUNDWATER SAMPLES**

Groundwater samples were collected on December 17, 2008. Samples were analyzed for Total Petroleum Hydrocarbons as gasoline, Benzene, Toluene, Ethylbenzene, Xylenes, the fuel oxygenant Methyl tert-Butyl Alcohol (MtBE) using EPA method 8260B, see Table 1. Figure 3 shows the positions of the groundwater monitoring wells, the receptor trench and previous sample locations.

### *4.1 Depth to Water Measurements*

On December 17, 2008 depth to water was measured at each well using a product/water interface probe. Measurements are referenced to the surveyed elevation at the top of casing at each well. Table 1 shows the elevation of groundwater with respect to mean sea level for all wells through December 17, 2008.

## **5.0 RESULTS OF QUARTERLY GROUNDWATER MONITORING**

### *5.1 Groundwater Gradient and Flow Direction*

Figure 4 shows the groundwater elevation gradients and flow direction that were derived from the depth to water measurements of the monitor wells on December 17, 2008, prior to purging the wells for sampling, see Table 1 and Appendix A. On February 15, 2001 a submersible pump was placed into onsite well RS-5 to try to capture contaminated groundwater beneath the site and adjoining properties. The pump rate was set at approximately 2 gpm. The pump was removed from RS-5 on July 19, 2001. After evaluation of the effects the pumping had on remediating the site the pump was placed back into RS-5 on March 21, 2002. Pumping from RS5 has lowered the water levels in RS-6, RS-8, RS-10, R1 and R2, see Appendix B. Table 1 shows the groundwater elevations for the wells during the assessment of this site.

The current flow direction is to the west with a cone of influence created by the pumping of RS5. The hydraulic gradient averages 0.087 feet/linear foot down gradient from well RS10 to the intercept trench well T1. The present flow direction and hydraulic gradient are consistent with previous determinations by WEGE. Well LF1 has been removed by the property owner and is no longer available for sampling and/or depth to water measurements. Previous depth to water measurements showed that the groundwater gradient has a steep slope that extends south of RS5 and RS8 out to well LF1. This Northwest lineation is seen in previous groundwater gradient determinations and could be continuous to the change in lithology noted during the excavation of the intercept trench. The excavation south of T1 contained clay and the area north of T1 contained sands.

## *5.2 Results of Certified Analysis of Groundwater Samples*

The results of the certified analyses of groundwater samples collected on December 17, 2008 are shown in Table 1. Groundwater samples were obtained from monitor wells RS7, RS9 and RS10, along with trench well T1 and pumping well RS5. No samples were obtained from monitor well RS8 (dogs prevented access to well) and excavation wells R1, R2 and R3 depth to water measurements indicated that the water was contained in the casing shoe and most likely stagnate.

### Total Petroleum Hydrocarbons - gasoline

Total Petroleum Hydrocarbons-gasoline range (TPHg) has a laboratory lower detection limit (LLDL) of 50 ug/L. TPH-G concentrations above the LLDL were found in water samples from monitor wells RS07 and RS09, the receptor trench well (T1) and the pumping well (RS05) ranged from 5600 ug/L at well T1, to 51 ug/L at well RS9, see Figure 5 and Appendix C – Laboratory Report.

### Benzene

Benzene has a LLDL of 0.5 ug/L. The recommended CPHG (California Public Health Goal) for Benzene is 1.5 ug/L. Benzene concentrations were found in wells; the pumping well RS5 contained 2.3 ug/L, trench well T1 contained 1500 ug/L, RS7 contained 76 ug/L and RS9 contained 1.7 ug/L. RS10 was below laboratory lower detection limits of 0.5 ug/L, see Figure 5 and Appendix C - Laboratory Report.

### MtBE

MtBE has a LLDL of 0.5 ug/L. The recommended CPHG for MtBE is 13 ug/L. Analytical results for Fuel Oxygenant MtBE were below laboratory lower detection limits in wells RS5, RS7, RS9 and RS10 at 0.5 ug/L. Well T1 contained 4.9 ug/L MtBE, see Figure 6 and Appendix C – Laboratory Report.

### Toluene

Toluene has a LLDL of 0.5 ug/L. The recommended CPHG for toluene is 150 ug/L. Toluene was detected in wells RS5, RS7, and T1, ranging from a low of 1.2 ug/L at well RS5 to a high of 130 ug/L at well T1.

### Ethylbenzene

Ethylbenzene has a LLDL of 0.5 ug/L. The recommended CPHG for Ethylbenzene is 300 ug/L. Ethylbenzene was detected in wells RS5, RS7, and T1, ranging from a low of 1.8 ug/L at well RS5 to a high of 140 ug/L at well T1.

## Xylenes

Xylenes have a LLDL of 0.5 ug/L. The recommended CPHG for Xylenes is 1800 ug/L. Xylenes were detected in wells RS5, RS7 and T1, ranging from a low of 13 ug/L at well RS5 to a high of 310 ug/L at well T1, see Table 1 and Appendix C - Laboratory Report.

### **6.0 PURGING OF RECEPTOR TRENCH**

The last purging of the receptor (intercept) trench occurred on June 30, 2004. 93,400 gallons of groundwater have been pumped from the receptor trench and purged from the groundwater monitoring wells, see Table 2.

### **7.0 PUMPING ON-SITE WELL RS-5**

On February 15, 2001 a submersible pump with a pump bypass was placed into RS-5. The pump rate was adjusted to 1.5 gpm and allowed to continuously pump from RS-5 for one week. 3223 gallons were pumped from RS-5 through the two, in series, water carbon units and discharged to the sewer. On February 22, 2001 the pump was inspected and showed a slimy growth covering the pump and discharge line that was below the water level. The pump was cleaned and placed back into RS-5 and continued to discharge from RS-5 through the water carbon units to sewer until July 19, 2001. On July 19, 2001 Desert Petroleum requested suspension of further pumping at the site. The pump was removed and the site secured. From February 15 through July 19, 2001, 78,919 gallons of gasoline contaminated groundwater was recovered from RS-5 and treated through carbon before being discharged to the sewer. Pumping from RS5 was resumed on March 21, 2002. The pumping system was turned off on February 28, 2008 due to the discovery of a pin hole leak in the #1 water carbon unit. The system was not restarted until a replacement water carbon unit was installed, March 6, 2008. As of December 17, 2008, 1,466,678 gallons of groundwater have been pumped from RS5 and treated through two, in series, water carbon units prior to being discharge to the sanitary sewer, see Table 2.

The pumping from RS-5 has lowered the groundwater at this well by at least 12 feet, when compared to non pumping water measurements, see Charts - Appendix B. This creates a cone of influence out to offsite wells RS-8 and RS-10.

### **8.0 FREE PHASE FLOATING PRODUCT REMOVAL**

Yellow Free Phase Floating Product was discovered in well RS8, 0.04 feet in thickness on August 6, 2002. Since all product storage and dispensing systems have been removed from the site (June 1994), it is thought that the product found in RS8, is residual from the November 1989 release and groundwater pumping at RS-5 is retrieving this residual product. Weekly bailing of the floating product from November 20, 2002 through December 12, 2002, (the last noted detection of free phase product in RS8) removed 0.014 gallons of degraded gasoline. This recovered degraded gasoline was stored on site in a 55 gallon 17H drum. Inspection of the 55 gallon drum on June 21, 2006 showed that the recovered gasoline had evaporated; the drum is now empty.

## 9.0 SUMMARY

Pumping from RS-5 has created a cone of influence off-site downgradient out to RS-8 and RS-10. Pumping has increased the dissolved oxygen in RS-5 and hydrocarbon concentrations have declined in R1, R2, R3, RS7, RS8, RS9, RS-10 and the Receptor Trench (T1).

The lowest hydrocarbon concentrations were observed May 31, 2001 while the weekly pumping of the trench well and the continuous pumping of RS5 were occurring. The most recent sampling, December 17, 2008 shows continued decrease in hydrocarbons to levels lower than the May 31, 2001 sample results, see Table 1 and Charts in Appendix B.

Previous sampling on September 2, 1999, showed that aerobic bacteria (hydrocarbon degraders) exist in the groundwater associated with the hydrocarbon plume.

Soil core samples obtained from drilling activities December 2004 at 4035 Park Blvd showed high concentrations of TPHg and BTEX exist in the soils and shallow groundwater (8 ft to 32 ft below ground surface) beneath the area that was previously occupied by the station building. Water sampling of the December 2004 borings showed slow drainage, indicating low hydraulic conductivity in the silty clay and the clayey conglomerate formations. Previous slug test on temporary piezometers installed downgradient of the site, in the backyard of the surrounding residences, showed groundwater velocities ranging between 4 and 385 feet per year. Pumping of RS5 produces approximately 500 gallons per day (<0.5 gpm). To further slow the migration of the contaminants of concern, organic carbon analysis showed total organic carbon in the water bearing formations to range between 340 and 5700 mg/Kg. Along with the organic carbon, natural attenuation is occurring as evident from analysis for the electron acceptors (dissolved oxygen, nitrate, sulfate and ferric iron) along with the presence of biological indicators (carbon dioxide, methane, aerobic hydrocarbon degrading bacteria, and reduced nutrients ortho phosphate and ammonia as nitrogen).

Alameda County Health, in a letter dated November 16, 2005 concurred with the recommendations to remove the remaining on-site hydrocarbon source, continue existing groundwater extraction from well RS5 and to conduct continuous groundwater extraction from the intercept trench. These procedures were recommended by Western Geo-Engineers in their March 8, 2005 report "Soil and Groundwater Investigation with Conceptual Model".

A Work Plan detailing the above activities had been approved. The destruction of on-site monitoring wells MW1, RS2 and RS6 was completed in November 2006 along with the soil and groundwater sampling downgradient of monitor wells RS9. Bids received for connecting the intercept trench and construction of a permanent groundwater treatment facility have been received and the contract signed (McCoy Resource Corporation). McCoy has been unresponsive to starting the work. Western Geo-Engineers acquired a secondary bid from RAH Environmental. RAH has been awarded the contract. The encroachment permit agreement with the City of Oakland, necessary for the construction of a conveyance pipe from the Brighton Avenue trench to a soon to be constructed treatment compound at 4035 Park Blvd. has been finalized. RAH is currently obtaining all necessary permits from The City of Oakland.

Bids to over-excavation the contaminated soils were too high, in excess of \$400,000, an alternative to over-excavations was developed. A revised work plan reducing the amount of soil necessary to be excavated was presented to Alameda County. Alameda County rejected the revised work plan. RAH and Western Geo-Engineers will proceed with the originally proposed excavation without the use of shoring, but will (as needed) bench the excavation to obtain the desired depths. Once the excavation is completed and sampled, backfilling will be conducted as originally outlined with the exception that a vapor extraction well will be placed within the excavated area so a future source test can be conducted to verify if gasoline range hydrocarbons vapors exist. A Vapor extraction source test report of findings will then be submitted. As required by the UST Fund an 18 month itemized cost spread sheet is being developed for this site.

## **10.0 RECOMMENDATIONS**

With a new property owner intending to build residential buildings on 4035 Park Blvd., the following recommendations are made by Western Geo-Engineers:

- Proceed with permitting and construction to connect the intercept trench and build the new treatment compound.
- Submit the 18 month itemized cost breakdown for this site to the UST Fund
- Seek approval to perform the excavation of contaminated soils from the UST Fund.

## **11.0 TIME FRAME**

February 2009	Commence installation of new treatment compound and connection of intercept trench. Obtain approval for cost to perform the excavation of contaminated soils from the Underground Storage Tank Fund.
March 2009	1st Quarter 2009 Well Monitoring.

## **12.0 LIMITATIONS**

This report is based upon the following:

- A. The observations of field personnel.
- B. The results of laboratory analyses performed by a state certified laboratory.
- C. Referenced documents.
- D. Our understanding of the regulations of the State of California, Alameda County and the City of Oakland.
- E. Changes in groundwater conditions can occur due to variations in rainfall, temperature, local and regional water use, and local construction practices.
- F. In addition, variations in the soil and groundwater conditions could exist beyond the points explored in this investigation.

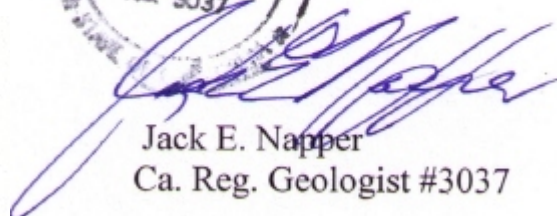
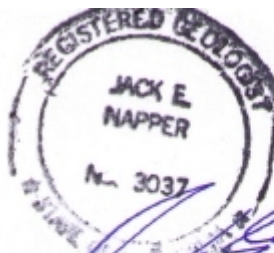
State Certified Laboratory analytical results are included in this report. This laboratory follows EPA and State of California approved procedures; however, WEGE is not responsible for errors in

these laboratory results. Western Geo-Engineers is a corporation under California Registered Geologist #3037 and/or Contractors License #513857. The services performed by Western Geo-Engineers have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the State of California and the Oakland area. Our work and/or supervision of remediation and/or abatement operations, active or preliminary, at this site is in no way meant to imply that we are owners or operators of this site. Known or suspected contamination of soil and/or groundwater must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

Sincerely,



George Converse  
Project Geologist



Jack E. Napper  
Ca. Reg. Geologist #3037

cc: Mr. J. Wickham, Alameda County Health (510) 567-6791  
Mr. Kin Man Li, property owner (510) 599-7000

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))								
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)
(CALIFORNIA PUBLIC HEALTH GOAL)										
RS-01	12/14/1989	228.15	24.25	203.9	19000	2600	2700	200	1200	
RS-01	12/90				15000	3500	330	170	760	
RS-01	2/91				6900	910	200	39	540	
RS-01	6/91				1600	56	180	12	26	
RS-01	9/91				4100	730	7.6	5.1	24	
RS-01	12/91				8300	950	160	71	190	
RS-01	11/9/1992	228.15	17.05	211.1	1700	730	9.6	16	14	
RS-01	4/7/1994	228.15	13	215.15	860	84	12	16	110	
RS-01	6/19/1994	228.15	13.37	214.78	1400	150	12	52	87	
RS-01	9/17/1994	228.15	16.33	211.82	310	30	1.8	2.8	3.9	
RS-01	3/12/1995	228.15	4.66	223.49	ND	ND	ND	ND	ND	
RS-01	8/14/1995	DESTROYED BY OVER-EXCAVATION OF UST-DISPENSER AREAS ( 8/14/95)								
RS-01	9/5/1995	REPLACED WITH MW-1 9/5/95.								
MW-01	10/4/1995	229.5	12.38	217.12	ND	ND	ND	ND	ND	
MW-01	12/21/95	229.5	13.40	216.1	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	03/27/96	229.5	5.53	223.97	< 50	< 0.5	< 0.5	< 0.5	< 2	< 50
MW-01	06/11/96	229.5	9.02	220.48	< 50	< 0.5	< 0.5	< 0.5	< 2	< 50
MW-01	09/04/96	229.5	11.84	217.66	< 50	< 0.5	< 0.5	< 0.5	< 2	< 5
MW-01	12/11/96	229.5	12.98	216.52	< 50	< 0.5	0.9	< 0.5	< 1	< 0.5
MW-01	2/21/97	229.5	9.50	220	< 50	< 0.5	0.9	< 0.5	< 1	< 0.5
MW-01	5/28/97	229.5	11.18	218.32	< 50	3	3	< 0.5	< 1	< 0.5
MW-01	9/2/1997	229.5	13.00	216.5	< 50	5	< 0.5	< 0.5	< 1	< 0.5
MW-01	11/24/1997	229.5	14.12	215.38	< 50	5	< 0.5	< 0.5	< 1	< 0.5
MW-01	2/25/1998	229.5	6.41	223.09	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
MW-01	7/8/1998	229.5	7.28	222.22	< 50	< 0.5	< 0.5	< 0.5	< 1	< 1
MW-01	9/16/1998	229.5	10.96	218.54	< 50	< 0.5	< 0.5	< 0.5	< 1	< 1
MW-01	11/24/1998	229.5	12.24	217.26	52	2.3	5.2	< 0.5	5.4	11
MW-01	2/23/1999	229.5	7.14	222.36	< 50	< 0.5	5	< 0.5	< 1	< 0.5
MW-01	5/5/1999	229.5	7.00	222.5	< 50	2	< 0.5	< 0.5	< 1	8
MW-01	8/26/1999	229.5	11.41	218.09	< 50	4.1	< 0.5	< 0.5	< 1	< 1
MW-01	11/10/1999	229.5	13.27	216.23	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
MW-01	2/9/2000	229.5	13.76	215.74	< 50	< 0.5	< 0.5	0.5	< 1	0.5
MW-01	6/30/2000	229.5	10.63	218.87	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
MW-01	8/8/2000	229.5	11.77	217.73	62	1	2	< 0.5	2	< 0.5
MW-01	11/16/2000	229.5	13.33	216.17	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
MW-01	3/8/2001	229.5	12.30	217.2	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	5/31/2001	229.5	11.88	217.62	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	12/18/2001	229.5	13.74	215.76	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	2/19/2002	229.5	14.42	215.08	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	5/7/2002	229.5	10.78	218.72	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	8/6/2002	229.5	12.70	216.8	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	11/5/2002	229.5	15.00	214.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	12/12/2002	229.5	15.46	214.04						
MW-01	3/13/2003	229.5	14.51	214.99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	5/6/2003	229.5	11.06	218.44	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	8/13/2003	229.5	13.13	216.37	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	11/20/2003	229.5	14.85	214.65	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	1/22/2004	229.5	13.65	215.85						
MW-01	3/30/2004	229.5	11.68	217.82	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	6/10/2004	229.5	13.08	216.42	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	9/28/2004	229.5	14.33	215.17	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	12/8/2004	229.5	14.67	214.83	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	3/23/2005	229.5	9.60	219.9	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	6/1/2005	229.5	8.64	220.86	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	9/21/2005	229.5	11.81	217.69	< 50	1.3	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	12/7/2005	229.5	13.02	216.48	< 50	1.7	< 0.5	0.63	0.76	< 0.5
MW-01	3/28/2006	229.5	5.94	223.56	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	6/21/2006	229.5	7.63	221.87	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	9/13/2006	229.5	11.40	218.1	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-01	11/27/2006	well destroyed, Alameda County Public Works Permit #W2006-0971								
RS-02	12/14/1989	227.39								
RS-02	6/19/1994	227.39	10.89	216.50						
RS-02	3/12/1995	227.39	5.26	222.13	ND	ND	ND	ND	ND	

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))								
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)
<b>(CALIFORNIA PUBLIC HEALTH GOAL)</b>										
RS-02	10/4/1995	227.39	15.05	212.34	ND	ND	ND	ND	ND	ND
RS-02	12/21/95	227.39	9.95	217.44	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	03/27/96	227.39	6.28	221.11	< 50	< 0.5	< 0.5	< 0.5	< 2	< 50
RS-02	06/11/96	227.39	8.00	219.39	< 50	1.2	2.8	< 0.5	< 2	< 50
RS-02	09/04/96	227.39	9.89	217.50	< 50	< 0.5	< 0.5	< 0.5	< 2	< 5
RS-02	12/11/96	227.39	8.38	219.01	< 50	< 0.5	< 0.5	< 0.5	< 1	6
RS-02	2/21/97	227.39	6.96	220.43	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	5/28/97	227.39	10.02	217.37	< 50	3	3	< 0.5	< 1	< 0.5
RS-02	9/2/1997	227.39	11.46	215.93	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	11/24/1997	227.39	10.43	216.96	< 50	< 0.5	1	< 0.5	3	< 0.5
RS-02	2/25/1998	227.39	3.57	223.82	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	7/8/1998	227.39	8.83	218.56	< 50	< 0.5	< 0.5	< 0.5	< 1	< 1
RS-02	9/16/1998	227.39	10.60	216.79	< 50	< 0.5	< 0.5	< 0.5	< 1	< 1
RS-02	11/24/1998	227.39	13.27	214.12	140	2.8	19	2.6	3.3	15
RS-02	2/23/1999	227.39	4.06	223.33	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	5/5/1999	227.39	7.70	219.69	< 50	0.7	< 0.5	< 0.5	< 1	6
RS-02	8/26/1999	227.39	11.42	215.97	200	15	23	1.7	23	9
RS-02	11/10/1999	227.39	15.94	211.45	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	2/9/2000	227.39	8.91	218.48	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	6/30/2000	227.39	9.79	217.60	52	2	< 0.5	< 0.5	< 1	< 0.5
RS-02	8/8/2000	227.39	10.71	216.68	60	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	11/16/2000	227.39	10.39	217.00	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
RS-02	3/8/2001	227.39	6.62	220.77	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	5/31/2001	227.39	10.09	217.30	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	12/18/2001	227.39	6.99	220.40	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	2/19/2002	227.39	8.08	219.31	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	5/7/2002	227.39	9.27	218.12	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	8/6/2002	227.39	11.38	216.01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	11/5/2002	227.39	17.09	210.30	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	12/12/2002	227.39	13.19	214.20						
RS-02	3/13/2003	227.39	8.93	218.46	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	5/6/2003	227.39	8.05	219.34	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	8/13/2003	227.39	11.16	216.23	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	11/20/2003	227.39	17.62	209.77	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	1/22/2004	227.39	7.40	219.99						
RS-02	3/30/2004	227.39	7.95	219.44	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	6/10/2004	227.39	10.56	216.83	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	9/28/2004	227.39	17.02	210.37	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	12/8/2004	227.39	9.80	217.59	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	3/23/2005	227.39	5.05	222.34	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	6/1/2005	227.39	8.60	218.79	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	9/21/2005	227.39	11.45	215.94	< 50	1.4	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	12/7/2005	227.39	10.82	216.57	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	3/28/2006	227.39	3.85	223.54	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	6/21/2006	227.39	8.86	218.53	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	9/13/2006	227.39	11.25	216.14	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-02	11/27/2006	well destroyed, Alameda County Public Works Permit #W2006-0972								
RS-05	12/14/1989	227.61	25.97	201.64	57000	3100	4300	670	3400	
RS-05	2/91	227.61	FLOATING PRODUCT							
RS-05	6/91	227.61	FLOATING PRODUCT							
RS-05	9/91	227.61	FLOATING PRODUCT							
RS-05	12/91	227.61	FLOATING PRODUCT							
RS-05	11/9/1992	227.61	20.73	206.88	50000	650	4800	1100	15000	
RS-05	4/7/1994	227.61	18.16	209.45	27000	5000	8700	550	2800	
RS-05	6/19/1994	227.61	18.11	209.5	20000	2100	5300	470	2500	
RS-05	9/17/1994	227.61	19.63	207.98	9300	230	340	110	700	
RS-05	3/12/1995	227.61	14.54	213.07	93000	6400	2000	19000	10000	
RS-05	10/4/1995	227.61	17.53	210.08	16000	420	2100	320	1800	
RS-05	12/21/95	227.61	17.47	210.14	48000	3500	9200	840	4800	56
RS-05	03/27/96	227.61	13.51	214.1	68000	4900	18000	1700	11000	< 3000
RS-05	06/11/96	227.61	14.25	213.36	66000	6300	20000	2100	12000	< 3000
RS-05	09/04/96	227.61	16.50	211.11	31000	2100	11000	1100	6800	400
RS-05	12/11/96	227.61	15.88	211.73	85000	7000	21000	1800	8900	570
RS-05	2/21/97	227.61	13.76	213.85	100000	5000	22000	1700	7300	< 0.5



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DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)								
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)
		(CALIFORNIA PUBLIC HEALTH GOAL)								
RS-05	5/28/97	227.61	15.77	211.84	52000	4500	19000	2100	10000	<0.5
RS-05	9/2/1997	227.61	17.47	210.14	38000	2200	9400	1300	5800	<0.5
RS-05	11/24/1997	227.61	18.67	208.94	45000	4000	16000	1900	9700	<0.5
RS-05	2/25/1998	227.61	10.53	217.08	160000	2700	31000	5300	28000	<0.5
RS-05	7/8/1998	227.61	13.75	213.86	45000	2800	12000	2000	8500	<10
RS-05	9/16/1998	227.61	15.80	211.81	49000	1400	7500	1700	8600	<5
RS-05	11/24/1998	227.61	16.64	210.97	89000	5300	15000	2800	13000	<10
RS-05	2/23/1999	227.61	12.36	215.25	19000	1900	11000	2500	4800	<25
RS-05	5/5/1999	227.61	12.78	214.83	78000	2000	10000	3000	15000	540
RS-05	8/26/1999	227.61	16.06	211.55	35000	870	4000	1900	8300	<1
RS-05	11/10/1999	227.61	17.54	210.07	40000	1000	5600	1800	8100	<0.5
RS-05	2/9/2000	227.61	16.31	211.3	46000	1400	6900	2700	11000	<0.5
RS-05	6/30/2000	227.61	15.15	212.46	37000	810	5200	2200	9100	<2.5
RS-05	8/8/2000	227.61	16.10	211.51	14000	330	500	1400	6500	<0.5
RS-05	11/16/2000	227.61	17.38	210.23	23000	430	2300	1100	4800	<0.5
RS-05	3/8/2001	227.61	27.72	199.89	11000	360	260	140	1500	2.6
RS-05	5/31/2001	227.61	22.96	204.65	7500	26	11	38	470	<5
RS-05	12/18/2001	227.61	15.61	212	12000	610	1200	100	1500	<5
RS-05	2/19/2002	227.61	14.80	212.81	22000	460	1700	680	4000	<5
RS-05	5/7/2002	227.61	31.77	195.84	700	150	10	19	67	5.2
RS-05	8/6/2002	227.61	31.77	195.84	< 50	<0.5	<0.5	<0.5	<0.5	<0.5
RS-05	11/5/2002	227.61	31.77	195.84	12000	150	360	21	890	<2
RS-05	12/12/2002	227.61	21.53	206.08						
RS-05	3/13/2003	227.61	36.70	190.91	240	5.5	1.9	2.3	9.6	1.4
RS-05	5/6/2003	227.61	14.52	213.09						
RS-05	8/13/2003	227.61	31.77	195.84	310	1.4	<0.5	1	2.9	<0.5
RS-05	11/20/2003	227.61	32.00	195.61	17000	150	720	240	1800	0.72
RS-05	1/22/2004	227.61	25.30	202.31						
RS-05	3/30/2004	227.61	21.90	205.71	4000	370	59	13	380	2.6
RS-05	6/10/2004	227.61	35.00	192.61	120	7	0.88	1.3	4.3	1.3
RS-05	9/28/2004	227.61	19.05	208.56	2600	110	89	75	56	<0.5
RS-05	12/8/2004	227.61	25.00	202.61	< 50	<0.5	<0.5	<0.5	<0.5	<0.5
RS-05	3/23/2005	227.61	26.05	201.56	7400	890	280	180	940	5.1
RS-05	6/1/2005	227.61	25.40	202.21	3500	380	85	59	360	3
RS-05	9/21/2005	227.61	19.00	208.61	790	34	4.7	0.86	99	<0.5
RS-05	12/7/2005	227.61	27.50	200.11	2200	65	30	24	200	1.3
RS-05	3/28/2006	227.61	19.60	208.01	5000	370	130	70	550	2.4
RS-05	6/21/2006	227.61	16.70	210.91	990	42	6.5	2.4	110	<0.5
RS-05	9/13/2006	227.61	31.00	196.61	240	11	3.2	1.2	11	0.85
RS-05	12/21/2006	227.61	28.00	199.61	4800	140	120	130	440	0.78
RS-05	3/12/2007	227.61	30.00	197.61	4300	160	130	110	600	1.5
RS-05	6/20/2007	227.61	30.00	197.61	160	7.5	3	2.2	13	0.58
RS-05	9/26/2007	227.61	22.80	204.81	2300	80	57	19	350	0.59
RS-05	12/18/2007	227.61	24.65	202.96	570	15	6.8	7.8	42	<0.5
RS-05	3/12/2008	227.61	20.50	207.11	4600	330	110	98	440	1.9
RS-05	6/25/2008	227.61	34.00	193.61	74	3.7	<0.5	0.5	2	0.7
RS-05	9/17/2008	227.61	23.45	204.16	280	4.4	1.5	0.55	18	<0.5
RS-05	12/17/2008	227.61	28.20	199.41	450	2.3	1.2	1.8	13	<0.5
RS-06	12/14/1989	227.22	22.52	204.7	11000	1400	1700	160	860	
RS-06	2/91	227.22	FLOATING PRODUCT							
RS-06	6/91	227.22			95000	4200	4200	650	3700	
RS-06	9/91	227.22	FLOATING PRODUCT							
RS-06	12/91	227.22			64000	3700	2300	730	4100	
RS-06	11/9/1992	227.22	19.43	207.79	19000	1600	710	500	1600	
RS-06	4/7/1994	227.22	14.42	212.8	16000	1200	1300	290	1100	
RS-06	6/19/1994	227.22	14.45	212.77	23000	1300	2200	590	2200	
RS-06	9/17/1994	227.22	19.52	207.7	24000	630	790	250	1100	
RS-06	3/12/1995	227.22	8.90	218.32	3200	450	13	82	230	
RS-06	10/4/1995	227.22	17.78	209.44	3700	170	250	38	290	
RS-06	12/21/95	227.22	14.98	212.24	3100	120	30	16	150	58
RS-06	03/27/96	227.22	10.00	217.22	6900	180	440	79	360	< 300
RS-06	06/11/96	227.22	12.00	215.22	7400	220	150	30	100	<1000
RS-06	09/04/96	227.22	15.00	212.22	1400	68	2.6	7.7	9.2	14

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))									
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)	
<b>(CALIFORNIA PUBLIC HEALTH GOAL)</b>											
RS-06	12/11/96	227.22	12.36	214.86	1800	39	16	10	18	< 0.5	
RS-06	2/21/97	227.22	10.00	217.22	2100	71	85	25	40	< 0.5	
RS-06	5/28/97	227.22	13.56	213.66	1700	34	12	11	16	< 0.5	
RS-06	9/2/1997	227.22	16.35	210.87	940	34	71	9	55	< 0.5	
RS-06	11/24/1997	227.22	15.72	211.5	490	9	6	1	7	< 0.5	
RS-06	2/25/1998	227.22	6.26	220.96	1400	22	47	5	52	< 0.5	
RS-06	7/8/1998	227.22	11.41	215.81	1500	83	9	84	2	<10	
RS-06	7/30/1998	227.22			<50	<0.5	<0.5	<0.5	<1		
RS-06	9/16/1998	227.22	13.42	213.8	990	23	<0.5	<0.5	<1	<1	
RS-06	11/24/1998	227.22	15.91	211.31	3400	5.3	<0.5	<0.5	14	<0.5	
RS-06	2/23/1999	227.22	7.00	220.22	1000	3.4	3.2	1.6	7.3	<0.5	
RS-06	5/5/1999	227.22	10.29	216.93	1100	50	10	80	15	2	
RS-06	8/26/1999	227.22	13.72	213.5	690	44	2.5	30	31	<5	
RS-06	11/10/1999	227.22	13.90	213.32	1800	2	2	0.9	16	< 0.5	
RS-06	2/9/2000	227.22	12.77	214.45	410	3	3	4	7	< 0.5	
RS-06	6/30/2000	227.22	12.69	214.53	660	7	2	5	6	< 0.5	
RS-06	8/8/2000	227.22	14.72	212.5	660	2	3	2	6	< 0.5	
RS-06	11/16/2000	227.22	15.28	211.94	560	1	2	1	5	< 0.5	
RS-06	3/8/2001	227.22	10.10	217.12	2200	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	5/31/2001	227.22	12.96	214.26	630	<0.5	<0.5	<0.5	<0.5	<5	
RS-06	12/18/2001	227.22	10.88	216.34	56	0.53	<0.5	<0.5	0.56	<0.5	
RS-06	2/19/2002	227.22	11.08	216.14	<50	<0.5	<0.5	0.6	<0.5	<0.5	
RS-06	5/7/2002	227.22	12.31	214.91	240	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	8/6/2002	227.22	14.23	212.99	130	<0.5	<0.5	<0.5	<0.5	3	
RS-06	11/5/2002	227.22	17.99	209.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	12/12/2002	227.22	17.57	209.65							
RS-06	3/13/2003	227.22	11.82	215.4	120	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	5/6/2003	227.22	10.10	217.12	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	8/13/2003	227.22	13.88	213.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	11/20/2003	227.22	18.62	208.6	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	1/22/2004	227.22	11.24	215.98							
RS-06	3/30/2004	227.22	10.72	216.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	6/10/2004	227.22	13.52	213.7	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	9/28/2004	227.22	17.95	209.27	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	12/8/2004	227.22	14.80	212.42	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	3/23/2005	227.22	7.62	219.6	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	6/1/2005	227.22	10.72	216.5	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	9/21/2005	227.22	13.22	214	<50	1.5	<0.5	<0.5	<0.5	<0.5	
RS-06	12/7/2005	227.22	14.02	213.2	74	0.63	<0.5	<0.5	<0.5	<0.5	
RS-06	3/28/2006	227.22	6.03	221.19	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	6/21/2006	227.22	10.40	216.82	100	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	9/13/2006	227.22	12.82	214.4	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
RS-06	11/27/2006	well destroyed, Alameda County Public Works Permit #W2006-0973									
RS-07	12/14/1989	195.99									
RS-07	7/90	195.99			5600000	24000	210000	50000	740000		
RS-07	2/91	195.99	FLOATING PRODUCT								
RS-07	6/91	195.99	FLOATING PRODUCT								
RS-07	9/91	195.99	FLOATING PRODUCT								
RS-07	12/91	195.99			270000	11000	22000	2000	13000		
RS-07	11/9/1992	195.99	4.62	191.37	81000	12000	16000	1900	13000		
RS-07	4/7/1994	195.99	4.03	191.96	74000	16000	16000	1400	8500		
RS-07	6/19/1994	195.99	4.07	191.92	83000	22000	19000	1500	9500		
RS-07	9/17/1994	195.99	4.05	191.94	270000	13000	15000	2100	1100		
RS-07	3/12/1995	195.99	3.72	192.27	35000	5100	560	6300	3600		
RS-07	10/4/1995	195.99	4.03	191.96	96000	14000	14000	1300	7000		
RS-07	12/21/95	195.99	3.95	192.04	70000	9300	12000	860	5600	210	
RS-07	03/27/96	195.99	3.80	192.19	64000	8900	14000	1100	8300	< 3000	
RS-07	06/11/96	195.99	3.79	192.2	65000	12000	17000	1600	9700	<5000	
RS-07	09/04/96	195.99	3.99	192	20000	4900	2100	670	4400	100	
RS-07	12/11/96	195.99	3.78	192.21	17000	4400	7500	570	4600	180	
RS-07	2/21/97	195.99	3.82	192.17	93000	31000	47000	3800	23000	<0.5	
RS-07	5/28/97	195.99	3.82	192.17	52000	12000	8200	2000	11000	<0.5	
RS-07	9/2/1997	195.99	3.96	192.03	28000	6100	2800	950	3800	<50	

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABAORATAORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))								
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)
<b>(CALIFORNIA PUBLIC HEALTH GOAL)</b>										
RS-07	11/24/1997	195.99	3.76	192.23	18000	4300	5900	600	2900	<0.5
RS-07	2/25/1998	195.99	3.70	192.29	13000	4300	7100	1100	5800	<0.5
RS-07	7/8/1998	195.99	3.76	192.23	45000	10000	3400	2000	8000	<10
RS-07	7/30/1998	195.99			72000	12000	2100	2000	9100	
RS-07	9/16/1998	195.99	3.83	192.16	5000	6500	160	<2.5	500	<5
RS-07	11/24/1998	195.99	3.77	192.22	19000	2100	1100	500	2100	<0.5
RS-07	2/23/1999	195.99	3.70	192.29	83000	6500	9900	1200	7000	<10
RS-07	5/5/1999	195.99	3.88	192.11	47000	7400	4800	1300	7400	540
RS-07	8/26/1999	195.99	4.16	191.83	15000	3400	91	950	970	<5
RS-07	11/10/1999	195.99	4.12	191.87	10000	2900	170	630	1200	<0.5
RS-07	2/9/2000	195.99	3.98	192.01	9400	1400	120	480	600	<0.5
RS-07	6/30/2000	195.99	4.04	191.95	8200	3300	190	430	540	<0.5
RS-07	8/8/2000	195.99	4.06	191.93	11000	2300	150	430	520	<0.5
RS-07	11/16/2000	195.99	4.04	191.95	5400	1500	40	240	200	<0.5
RS-07	3/8/2001	195.99	3.94	192.05	12000	3300	260	480	850	17
RS-07	5/31/2001	195.99	4.01	191.98	10000	1900	120	320	620	<100
RS-07	12/18/2001	195.99	4.81	191.18	2700	450	21	86	120	2.3
RS-07	2/19/2002	195.99	3.91	192.08	20000	2600	360	570	1900	11
RS-07	5/7/2002	195.99	3.97	192.02	9200	1400	120	360	780	6.6
RS-07	8/6/2002	195.99	4.06	191.93	8300	1300	71	250	480	<10
RS-07	11/5/2002	195.99	4.11	191.88	9300	1500	90	330	680	<10
RS-07	12/12/2002	195.99	4.13	191.86						
RS-07	3/13/2003	195.99	4.02	191.97	5500	990	51	180	330	6.1
RS-07	5/6/2003	195.99	3.98	192.01	4800	740	36	160	310	4.7
RS-07	8/13/2003	195.99	4.09	191.9	9400	1300	65	310	620	6.1
RS-07	11/20/2003	195.99	4.10	191.89	4800	700	13	110	110	<5
RS-07	1/22/2004	195.99	4.12	191.87						
RS-07	3/30/2004	195.99	4.05	191.94	3800	540	33	140	210	3.4
RS-07	6/10/2004	195.99	4.12	191.87	4000	740	22	82	130	2.8
RS-07	9/28/2004	195.99	4.18	191.81	5000	640	20	110	130	2.8
RS-07	12/8/2004	195.99	3.92	192.07	3700	290	18	130	190	0.56
RS-07	3/23/2005	195.99	4.00	191.99	4600	220	17	100	170	2.4
RS-07	6/1/2005	195.99	4.11	191.88	4700	660	41	140	290	3.7
RS-07	9/21/2005	195.99	4.14	191.85	4600	360	18	67	130	3.6
RS-07	12/7/2005	195.99	4.13	191.86	3400	160	10	89	86	1.2
RS-07	3/28/2006	195.99	3.93	192.06	1400	170	10	30	49	1.5
RS-07	6/21/2006	195.99	4.11	191.88	4800	570	27	100	150	5.2
RS-07	9/13/2006	195.99	4.13	191.86	4700	570	15	70	73	6
RS-07	12/21/2006	195.99	4.08	191.91	1600	100	3.7	37	30	1.1
RS-07	3/12/2007	195.99	3.98	192.01	1500	220	3.7	40	35	2.6
RS-07	6/20/2007	195.99	4.10	191.89	3700	530	18	52	69	3.2
RS-07	9/26/2007	195.99	4.13	191.86	2300	240	5.1	30	22	2.9
RS-07	12/18/2007	195.99	3.83	192.16	1800	66	2.4	43	20	0.56
RS-07	3/12/2008	195.99	3.99	192	2300	190	5.4	63	39	1.9
RS-07	6/25/2008	195.99	4.13	191.86	3000	320	17	36	90	3.1
RS-07	9/17/2008	195.99	4.22	191.77	1400	38	2.2	40	12	<0.5
RS-07	12/17/2008	195.99	4.12	191.87	1700	76	3	73	21	<0.5
RS-08	12/14/1989									
RS-08	09/04/96									
RS-08	12/11/96									
RS-08	2/21/97									
RS-08	5/28/97									
RS-08	9/2/1997									
RS-08	11/24/1997									
RS-08	2/25/1998									
RS-08	7/8/1998									
RS-08	9/16/1998									
RS-08	11/24/1998									
RS-08	2/23/1999									
RS-08	5/5/1999									
RS-08	8/26/1999	214.67	7.25	207.42	160000	24000	35000	4200	24000	<5
RS-08	11/10/1999	214.67	8.69	205.98	150000	21000	29000	3000	14000	<0.5
RS-08	2/9/2000	214.67	7.23	207.44	14000	1900	3200	270	2300	<0.5

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))								
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)
		<b>(CALIFORNIA PUBLIC HEALTH GOAL)</b>								
RS-08	6/30/2000	214.67	3.99	210.68	6400	570	870	150	770	<0.5
RS-08	8/8/2000	214.67	7.52	207.15	100000	24000	40000	2300	9900	<0.5
RS-08	11/16/2000	214.67	6.14	208.53	110000	14000	21000	2100	9600	<20
RS-08	3/8/2001	214.67	9.40	205.27	10000	740	840	220	990	<2
RS-08	5/31/2001	214.67	6.83	207.84	730	11	29	4.2	31	<5
RS-08	12/18/2001	214.67	7.14	207.53	4500	230	370	77	750	<0.5
RS-08	2/19/2002	214.67	7.69	206.98	780	33	21	5.1	45	<0.5
RS-08	5/7/2002	214.67	7.82	206.85	24000	1500	1800	830	2700	<10
RS-08	8/6/2002	214.67	13.46	201.21		0.04	feet floating product			
RS-08	11/5/2002	214.67	13.96	200.71		0.40	feet floating product			
RS-08	12/12/2002	214.67	14.38	200.29		0.08	feet floating product			
RS-08	3/13/2003	214.67	10.99	203.68	90000	1100	14000	2500	12000	<50
RS-08	5/6/2003	214.67	5.35	209.32	1600	6.7	46	21	170	<0.5
RS-08	8/13/2003	214.67	11.96	202.71	100000	1200	10000	2500	13000	<50
RS-08	11/21/2003	214.67	12.30	202.37	100000	1700	10000	1700	12000	<25
RS-08	1/22/2004	214.67	9.63	205.04						
RS-08	3/30/2004	214.67	8.70	205.97	18000	69	110	130	1200	<5
RS-08	6/10/2004	214.67	10.65	204.02	33000	210	350	360	2300	<5
RS-08	9/28/2004	214.67	9.00	205.67	6000	59	20	100	170	<1
RS-08	12/8/2004	214.67	4.50	210.17	1100	<0.5	<0.5	<0.5	0.66	<0.5
RS-08	3/23/2005	214.67	3.65	211.02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
RS-08	6/1/2005	214.67	9.70	204.97	4700	330	210	250	330	<0.5
RS-08	9/21/2005	214.67			could not locate, under landscaping.					
RS-08	12/7/2005	214.67	12.76	201.91	30000	1100	1500	810	2800	<5
RS-08	3/28/2006	214.67	3.42	211.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5
RS-08	6/21/2006	214.67	7.03	207.64	6300	630	710	310	720	<0.5
RS-08	9/13/2006	214.67	11.13	203.54	29000	1600	2800	1300	4000	<2.5
RS-08	12/21/2006	214.67	10.67	204	60000	1900	2000	1300	5200	<7
RS-08	3/12/2007	214.67			dog in backyard, could not access well					
RS-08	6/20/2007	214.67	11.19	203.48	23000	480	540	780	2600	<2.5
RS-08	9/26/2007	214.67			dog in backyard, could not access well					
RS-08	12/18/2007	214.67			could not unlach side gate to enter backyard					
RS-08	3/12/2008	214.67	9.36	205.31	18000	81	41	51	560	<4
RS-08	6/25/2008	214.67	12.28	202.39	26000	480	870	430	2800	<4
RS-08	9/17/2008	214.67	12.13	202.54	30000	680	880	630	3400	<4
RS-08	12/17/2008	214.67			dogs in backyard, could not access well					
RS-09	12/14/1989									
RS-09	09/04/96									
RS-09	12/11/96									
RS-09	2/21/97									
RS-09	5/28/97									
RS-09	9/2/1997									
RS-09	11/24/1997									
RS-09	2/25/1998									
RS-09	7/8/1998									
RS-09	9/16/1998									
RS-09	11/24/1998									
RS-09	2/23/1999									
RS-09	5/5/1999									
RS-09	8/26/1999	195.63	7.46	188.17	17000	3500	1200	360	1600	180
RS-09	11/10/1999	195.63	7.91	187.72	2800	520	62	46	130	<0.5
RS-09	2/9/2000	195.63	6.09	189.54	3400	650	74	64	130	<0.5
RS-09	6/30/2000	195.63	6.77	188.86	3000	600	79	74	120	<0.5
RS-09	8/8/2000	195.63	7.32	188.31	4900	500	430	160	530	<0.5
RS-09	11/16/2000	195.63	6.33	189.3	3000	350	220	90	220	<0.5
RS-09	3/8/2001	195.63	4.93	190.7	<50	3.4	<0.5	<0.5	<0.5	<0.5
RS-09	5/31/2001	195.63	4.01	191.62	510	96	6	6.2	9.1	5.5
RS-09	12/18/2001	195.63	4.81	190.82	210	11	1.8	3.9	7.6	<0.5
RS-09	2/19/2002	195.63	4.99	190.64	<50	<0.5	<0.5	<0.5	<0.5	<0.5
RS-09	5/7/2002	195.63	6.08	189.55	130	7.9	<0.5	1.2	<0.5	0.67
RS-09	8/6/2002	195.63	6.93	188.7	380	29	1.2	2.3	2.9	3.1
RS-09	11/5/2002	195.63	7.53	188.1	1800	240	9	27	110	8.6
RS-09	12/12/2002	195.63	7.23	188.4						

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level)									
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)	
<b>(CALIFORNIA PUBLIC HEALTH GOAL)</b>											
RS-09	3/13/2003	195.63	5.73	189.9	410	30	3	6	9.5	3.3	****
RS-09	5/6/2003	195.63	4.83	190.8	910	72	15	9.2	26	5.5	****
RS-09	8/13/2003	195.63	8.24	187.39	810	20	<0.5	2.4	1.6	3.6	****
RS-09	11/20/2003	195.63	6.99	188.64	3600	920	5.3	6.1	20	30	****
RS-09	1/22/2004	195.63	5.43	190.2							
RS-09	3/30/2004	195.63	5.07	190.56	1900	360	9.3	19	48	21	****
RS-09	6/10/2004	195.63	6.18	189.45	950	180	3	8.4	14	8.7	****
RS-09	9/28/2004	195.63	6.94	188.69	4900	1800	5.9	5	16	31	****
RS-09	12/8/2004	195.63	4.42	191.21	74	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-09	3/23/2005	195.63	4.10	191.53	540	99	1.1	1.1	4.5	3.6	****
RS-09	6/1/2005	195.63	5.12	190.51	3300	170	14	77	87	12	****
RS-09	9/21/2005	195.63	6.60	189.03	330	1.2	<0.5	<0.5	0.58	1.8	****
RS-09	12/7/2005	195.63	5.92	189.71	88	<0.5	<0.5	<0.5	0.58	1.2	****
RS-09	3/28/2006	195.63	3.76	191.87	360	11	0.72	3.6	2.5	7.1	****
RS-09	6/21/2006	195.63	5.40	190.23	860	23	2.9	7.2	21	7.4	****
RS-09	9/13/2006	195.63	6.45	189.18	350	2.4	<0.5	1.1	4.2	2.9	****
RS-09	12/21/2006	195.63	5.82	189.81	85	<0.5	<0.5	<0.5	<0.5	0.81	****
RS-09	3/12/2007	195.63	5.08	190.55	1000	25	12	14	40	7.5	****
RS-09	6/20/2007	195.63	6.67	188.96	1300	130	4.4	6	20	7.2	****
RS-09	9/26/2007	195.63	7.45	188.18	1800	310	2.3	5	24	6.3	****
RS-09	12/18/2007	195.63	6.05	189.58	97	2.5	<0.5	0.56	1.4	0.51	****
RS-09	3/12/2008	195.63	5.43	190.2	82	1.6	<0.5	<0.5	<0.5	<0.5	****
RS-09	6/25/2008	195.63	7.03	188.6	2500	450	14	20	81	2.8	****
RS-09	9/17/2008	195.63	7.81	187.82	3100	830	4.9	7.7	37	4.7	****
RS-09	12/17/2008	195.63	6.87	188.76	51	1.7	<0.5	<0.5	<0.5	<0.5	****
RS-10	12/14/1989										
RS-10	09/04/96										
RS-10	12/11/96										
RS-10	2/21/97										
RS-10	5/28/97										
RS-10	9/2/1997										
RS-10	11/24/1997										
RS-10	2/25/1998										
RS-10	7/8/1998										
RS-10	9/16/1998										
RS-10	11/24/1998										
RS-10	2/23/1999										
RS-10	5/5/1999										
RS-10	8/26/1999	208.46	3.76	204.7	5100	160	340	190	1000	32	*
RS-10	11/10/1999	208.46	3.83	204.63	500	7	2	2	4	<0.5	
RS-10	2/9/2000	208.46	0.31	208.15	100	4	3	1	6	<0.5	
RS-10	6/30/2000	208.46	2.22	206.24	640	5	2	4	2	<0.5	
RS-10	8/8/2000	208.46	2.46	206	460	2	2	2	7	<0.5	
RS-10	11/16/2000	208.46	2.46	206	360	1	1	2	<1	<0.5	
RS-10	3/8/2001	208.46	2.82	205.64	53	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	5/31/2001	208.46	4.93	203.53	210	<0.5	<0.5	1.5	5	<5	****
RS-10	12/18/2001	208.46	2.10	206.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	2/19/2002	208.46	2.29	206.17	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	5/7/2002	208.46	2.92	205.54	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	8/6/2002	208.46	4.11	204.35	<50	<0.5	0.7	<0.5	1.6	<0.5	****
RS-10	11/5/2002	208.46	4.05	204.41	54	<0.5	1.2	<0.5	1.1	<0.5	****
RS-10	12/12/2002	208.46	6.81	201.65							
RS-10	3/13/2003	208.46	3.00	205.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	5/6/2003	208.46	2.55	205.91	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	8/13/2003	208.46	3.68	204.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	11/20/2003	208.46	4.45	204.01	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	1/22/2004	208.46									
RS-10	3/30/2004	208.46	3.05	205.41	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	6/10/2004	208.46	4.85	203.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	9/28/2004	208.46	6.75	201.71	<50	4.6	<0.5	<0.5	<0.5	<0.5	****
RS-10	12/8/2004	208.46	1.74	206.72	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	3/23/2005	208.46	1.85	206.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	6/1/2005	208.46	2.88	205.58	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****



TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))									
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)	
R1	6/25/2008	227.69	15.92	211.77	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	9/17/2008	227.69			no sample water in shoe of casing, not representative						
R1	12/17/2008	227.69			no sample water in shoe of casing, not representative						
R2	12/14/1989										
R2	09/04/96	230.68	13.44	217.24	14000	7600	<10	170	190	<100	
R2	12/11/96	230.68	12.42	218.26	488	300	1	< 0.5	30	16	
R2	2/21/97	230.68	10.50	220.18	5700	2100	5	2	10	3	*
R2	5/28/97	230.68	13.10	217.58	36000	14000	63	260	220	<0.5	*
R2	9/2/1997	230.68	14.16	216.52	30000	12000	330	1000	790	47	*
R2	11/24/1997	230.68	14.71	215.97	41000	15000	830	1500	4200	<0.5	*
R2	2/25/1998	230.68	7.39	223.29	800	400	<0.5	<0.5	15	<0.5	*
R2	7/8/1998	230.68	11.27	219.41	290	31	< 0.5	1	< 1	2	*
R2	9/16/1998	230.68	13.73	216.95	6600	11000	24	<0.5	35	<1	*
R2	11/24/1998	230.68	11.67	219.01	6100	<0.5	36	<0.5	21	<0.5	*
R2	2/23/1999	230.68	7.55	223.13	1100	310	3	2	26	<0.5	*
R2	5/5/1999	230.68	10.89	219.79	11000	5300	7	36	7	8	*
R2	8/26/1999	227.28	13.14	214.14	6700	940	33	190	240	<1	*
R2	11/10/1999	227.28	14.42	212.86	5100	2600	160	1800	8100	<0.5	*
R2	2/9/2000	227.28	12.45	214.83	4700	1400	110	130	340	<0.5	*
R2	6/30/2000	227.28	12.94	214.34	7100	3200	110	300	480	<0.5	*
R2	8/8/2000	227.28	13.58	213.7	30000	13000	250	1000	2700	<0.5	*
R2	11/16/2000	227.28	14.33	212.95	44000	17000	230	790	3600	<0.5	*
R2	3/8/2001	227.28	11.15	216.13	2300	640	8.6	61	170	<2	****
R2	5/31/2001	227.28	13.38	213.9	2200	580	12	72	100	<25	****
R2	12/18/2001	227.28	12.35	214.93	4900	2000	120	44	280	<5	****
R2	2/19/2002	227.28	11.32	215.96	2100	1200	<5	14	<5	<5	****
R2	5/7/2002	227.28	13.15	214.13	2500	660	7.5	170	26	<2.5	****
R2	8/6/2002	227.28	14.51	212.77	6300	1800	150	220	340	<5	****
R2	11/5/2002	227.28	15.46	211.82	11000	3000	140	57	620	<20	****
R2	12/12/2002	227.28	15.70	211.58							
R2	3/13/2003	227.28	12.96	214.32	580	200	1.2	5.4	3.8	<1	****
R2	5/6/2003	227.28	11.14	216.14	70	25	<0.5	<0.5	1.3	<0.5	****
R2	8/13/2003	227.28	14.01	213.27	1800	340	8	49	12	<2	****
R2	11/20/2003	227.28	15.35	211.93	8000	1400	46	57	490	<5	****
R2	1/22/2004	227.28	12.10	215.18							
R2	3/30/2004	227.28	11.48	215.8	<50	3	<0.5	<0.5	<0.5	<0.5	****
R2	6/10/2004	227.28	13.95	213.33	77	7.7	<0.5	<0.5	<0.5	<0.5	****
R2	9/28/2004	227.28	14.80	212.48	500	120	2	25	2.7	0.71	****
R2	12/8/2004	227.28	12.25	215.03	100	8.5	<0.5	<0.5	5	<0.5	****
R2	3/23/2005	227.28	7.82	219.46	57	8.4	<0.5	<0.5	<0.5	<0.5	****
R2	6/1/2005	227.28	12.14	215.14	85	5.2	<0.5	<0.5	<0.5	<0.5	****
R2	9/21/2005	227.28	13.97	213.31	900	120	1.3	2.5	4.8	<0.5	****
R2	12/7/2005	227.28	14.51	212.77	150	8.4	<0.5	<0.5	0.5	<0.5	****
R2	3/28/2006	227.28	7.30	219.98	<50	7.7	<0.5	<0.5	<0.5	<0.5	****
R2	6/21/2006	227.28	11.90	215.38	68	4.7	<0.5	<0.5	<0.5	<0.5	****
R2	9/13/2006	227.28	13.66	213.62	54	0.52	<0.5	<0.5	<0.5	<0.5	****
R2	12/21/2006	227.28	14.43	212.85	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R2	3/12/2007	227.28	12.37	214.91	210	63	<0.5	1.8	<0.5	<0.5	****
R2	6/20/2007	227.28	14.08	213.2	1300	250	3.6	2.7	4.1	<0.5	****
R2	9/26/2007	227.28	15.41	211.87	230	28	<0.5	<0.5	2.5	<0.5	****
R2	12/18/2007	227.28	15.87	211.41	98	<0.5	<0.5	<0.5	2.5	<0.5	****
R2	3/12/2008	227.28	11.45	215.83	<50	0.59	<0.5	<0.5	<0.5	<0.5	****
R2	6/25/2008	227.28	14.98	212.3	79	11	<0.5	<0.5	<0.5	<0.5	****
R2	9/17/2008	227.28	16.03	211.25	87	1.8	<0.5	5.6	0.92	<0.5	****
R2	12/17/2008	227.28			no sample water in shoe of casing, not representative						
R3	12/14/1989										
R3	09/04/96	230.32	9.90	220.42	<50	<0.5	<0.5	<0.5	<2	<5	
R3	12/11/96	230.32	8.18	222.14	<50	<0.5	<0.5	<0.5	<1	5	
R3	2/21/97	230.32	6.76	223.56	340	35	59	8	54	<0.5	*
R3	5/28/97	230.32	9.98	220.34	<50	<0.5	<0.5	<0.5	<1	<0.5	*
R3	9/2/1997	230.32	10.86	219.46	<50	4	<0.5	<0.5	<1	<0.5	*
R3	11/24/1997	230.32	11.20	219.12	not enough water to sample. No sample						

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))										
	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)	
R3	2/25/1998	230.32	3.42	226.9	<50	<0.5	<0.5	<0.5	<1	<0.5	
R3	7/8/1998	230.32	8.78	221.54	140	<0.5	<0.5	4	24	<1	
R3	9/16/1998	230.32	10.38	219.94	<50	<0.5	<0.5	<0.5	<1	<1	
R3	11/24/1998	230.32	11.12	219.2	not enough water to sample. No sample						
R3	2/23/1999	230.32	3.95	226.37	<50	<0.5	<0.5	<0.5	<1	<0.5	
R3	5/5/1999	230.32	7.58	222.74	80	9	<0.5	<0.5	<1	6	
R3	8/26/1999	227.25	10.76	216.49	<50	2	<0.5	<0.5	<1	1	
R3	11/10/1999	227.25	11.09	216.16	140	3	4	1	11	<0.5	
R3	2/9/2000	227.25	8.76	218.49	<50	2	<0.5	<0.5	<1	<0.5	
R3	6/30/2000	227.25	9.67	217.58	<50	0.7	<0.5	1	1	<0.5	
R3	8/8/2000	227.25	10.44	216.81	72	<0.5	<0.5	<0.5	<1	<0.5	
R3	11/16/2000	227.25	10.26	216.99	110	4	1	<0.5	3	<0.5	
R3	3/8/2001	227.25	6.54	220.71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	5/31/2001	227.25	10.01	217.24	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	12/18/2001	227.25	6.79	220.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	2/19/2002	227.25	7.86	219.39	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	5/7/2002	227.25	9.20	218.05	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	8/6/2002	227.25	10.62	216.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	11/5/2002	227.25	11.07	216.18	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	12/12/2002	227.25	11.28	215.97							
R3	3/13/2003	227.25	8.69	218.56	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	5/6/2003	227.25	8.02	219.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	8/13/2003	227.25	dry		DRY						
R3	11/20/2003	227.25	dry		DRY						
R3	1/22/2004	227.25	7.30	219.95							
R3	3/30/2004	227.25	7.85	219.4	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	6/10/2004	227.25	10.30	216.95	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	9/28/2004	227.25	dry		DRY						
R3	12/8/2004	227.25	9.00	218.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	3/23/2005	227.25	4.90	222.35	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	6/1/2005	227.25	8.60	218.65	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	9/21/2005	227.25	10.80	216.45	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	12/7/2005	227.25	11.12	216.13	no sample water in shoe of casing, not representative						
R3	3/28/2006	227.25	3.72	223.53	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	6/21/2006	227.25	8.82	218.43	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	9/13/2006	227.25	10.52	216.73	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	12/21/2006	227.25	9.97	217.28	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	3/12/2007	227.25	7.45	219.8	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	6/20/2007	227.25	10.43	216.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	9/26/2007	227.25			no sample water in shoe of casing, not representative						
R3	12/18/2007	227.25			no sample water in shoe of casing, not representative						
R3	3/12/2008	227.25	7.93	219.32	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	6/25/2008	227.25	10.87	216.38	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
R3	9/17/2008	227.25			no sample water in shoe of casing, not representative						
R3	12/17/2008	227.25			no sample water in shoe of casing, not representative						
T1	12/14/1989										
T1	09/04/96										
T1	12/11/96										
T1	2/21/97										
T1	5/28/97										
T1	9/2/1997										
T1	11/24/1997										
T1	2/25/1998										
T1	7/8/1998										
T1	9/16/1998										
T1	11/24/1998										
T1	2/23/1999										
T1	5/5/1999										
T1	8/26/1999	195.11	2.44	192.67	40000	7200	5000	950	8100	53	
T1	11/10/1999	195.11	2.23	192.88	46000	5600	3600	910	6500	<0.5	
T1	2/9/2000	195.11	2.22	192.89	35000	2900	5700	720	6600	<0.5	
T1	6/30/2000	195.11	2.22	192.89	30000	3400	3200	950	4600	<0.5	
T1	8/8/2000	195.11	2.73	192.38	8900	1600	760	260	870	<0.5	



TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level)									
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)	
		(CALIFORNIA PUBLIC HEALTH GOAL)									
T 1	11/16/2000	195.11	2.72	192.39	4000	1300	92	80	290	<0.5	
T 1	3/8/2001	195.11	2.12	192.99	25000	4400	3400	770	3200	26	****
T 1	5/31/2001	195.11	2.30	192.81	8900	940	210	340	1500	<50	****
T 1	12/18/2001	195.11	2.20	192.91	48000	3700	5500	1200	5300	24	****
T 1	2/19/2002	195.11	1.96	193.15	64000	8600	6000	1700	6800	55	****
T 1	5/7/2002	195.11	2.22	192.89	41000	9200	910	2000	6200	62	****
T 1	8/6/2002	195.11	2.32	192.79	28000	5500	240	1300	2600	32	****
T 1	11/5/2002	195.11	2.52	192.59	11000	3000	65	660	610	18	****
T 1	12/12/2002	195.11	2.55	192.56							
T 1	3/13/2003	195.11	2.23	192.88	930	150	17	23	60	2.6	****
T 1	5/6/2003	195.11	2.37	192.74	6800	1000	230	310	820	1.0	****
T 1	8/13/2003	195.11	2.41	192.7	9600	1500	110	440	910	1.0	****
T 1	11/20/2003	195.11	2.50	192.61	10000	1800	120	520	510	1.1	****
T 1	1/22/2004	195.11									
T 1	3/30/2004	195.11			15000	1800	660	610	2000	8.6	****
T 1	6/10/2004	195.11	2.40	192.71	5500	570	2	240	130	2.7	****
T 1	9/28/2004	195.11	2.52	192.59	8700	2600	100	450	15	1.5	****
T 1	12/8/2004	195.11	1.96	193.15	2900	820	32	14	47	6.9	****
T 1	3/23/2005	195.11	car		2800	220	3	120	76	1.7	****
T 1	6/1/2005	195.11	2.25	192.86	46000	14000	650	1900	2900	54	****
T 1	9/21/2005	195.11	2.42	192.69	17000	4500	81	620	200	28	****
T 1	12/7/2005	195.11	2.26	192.85	18000	4000	480	780	1100	2.5	****
T 1	3/28/2006	195.11	car		27000	4400	1600	890	2700	20	****
T 1	6/21/2006	195.11	2.48	192.63	14000	5200	310	270	680	1.9	****
T 1	9/13/2006	195.11	2.43	192.68	12000	5100	88	230	320	2.2	****
T 1	12/21/2006	195.11	2.28	192.83	18000	4600	620	850	2000	2.1	****
T 1	3/12/2007	195.11	2.24	192.87	19000	4700	750	870	2300	1.6	****
T 1	6/20/2007	195.11	2.47	192.64	12000	4300	130	170	250	1.8	****
T 1	9/26/2007	195.11	2.52	192.59	10000	4200	63	45	68	1.4	****
T 1	12/18/2007	195.11	1.75	193.36	12000	3000	450	360	480	1.5	****
T 1	3/12/2008	195.11	2.23	192.88	22000	6600	1200	960	2300	2.5	****
T 1	6/25/2008	195.11	2.55	192.56	13000	5200	160	300	280	1.8	****
T 1	9/17/2008	195.11	3.12	191.99	8600	3400	47	29	81	9.4	****
T 1	12/17/2008	195.11	2.32	192.79	5600	1500	130	140	310	4.9	****
T 2	1/22/2004	195.3	2.54	192.76	see T1 for sample results						
T 2	3/30/2004	195.3	2.50	192.8	see T1 for sample results						
T 2	6/10/2004	195.3	2.60	192.7	see T1 for sample results						
T 2	9/28/2004	195.3	car		see T1 for sample results						
T 2	12/8/2004	195.3	2.04	193.26	see T1 for sample results						
T 2	3/23/2005	195.3	car		see T1 for sample results						
T 2	6/1/2005	195.3	car		see T1 for sample results						
T 2	9/21/2005	195.3	car		see T1 for sample results						
T 2	12/7/2005	195.3	car		see T1 for sample results						
T 2	3/28/2006	195.3	2.00	193.3	see T1 for sample results						
T 2	6/21/2006	195.3	car		see T1 for sample results						
T 2	9/13/2006	195.3	car		see T1 for sample results						
T 2	12/21/2006	195.3	car		see T1 for sample results						
T 2	3/12/2007	195.3	car		see T1 for sample results						
T 2	6/20/2007	195.3	car		see T1 for sample results						
T 2	9/26/2007	195.3	car		see T1 for sample results						
T 2	12/18/2007	195.3	car		see T1 for sample results						
T 2	3/12/2008	195.3	car		see T1 for sample results						
T 2	6/25/2008	195.3	car		see T1 for sample results						
T 2	9/17/2008	195.3	car		see T1 for sample results						
T 3	1/22/2004	202.38			see T1 for sample results						
T 3	6/10/2004	202.38	9.80	192.58	see T1 for sample results						
T 3	9/28/2004	202.38	9.90	192.48	see T1 for sample results						
T 3	12/8/2004	202.38	9.24	193.14	see T1 for sample results						
T 3	3/23/2005	202.38	car		see T1 for sample results						
T 3	6/1/2005	202.38	car		see T1 for sample results						
T 3	9/21/2005	202.38	car		see T1 for sample results						
T 3	12/7/2005	202.38	car		see T1 for sample results						

TABLE 1  
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABORAATORY RESULTS FROM WATER SAMPLES  
DESERT PETROLEUM, INC. SITE #793  
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	(All concentrations in parts per billion [ug/L, ppb] (AMSL = Above mean sea level))									
		WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L) (1.5)	TOLUENE (UG/L) (150)	ETHYL-BENZENE (UG/L) (300)	XYLENES (UG/L) (1800)	MTBE (UG/L) (13)	
T 3	3/28/2006	202.38	car		see T1 for sample results						
T 3	6/21/2006	202.38	car		see T1 for sample results						
T 3	9/13/2006	202.38	car		see T1 for sample results						
T 3	12/21/2006	202.38	car		see T1 for sample results						
T 3	3/12/2007	202.38	car		see T1 for sample results						
T 3	6/20/2007	202.38	car		see T1 for sample results						
T 3	9/26/2007	202.38	car		see T1 for sample results						
T 3	12/18/2007	202.38	car		see T1 for sample results						
T 3	3/12/2008	202.38	car		see T1 for sample results						
T 3	6/25/2008	202.38	car		see T1 for sample results						
T 3	9/17/2008	202.38	car		see T1 for sample results						
T 4	1/22/2004	197.48	4.70	192.78	see T1 for sample results						
T 4	3/30/2004	197.48	4.66	192.82	see T1 for sample results						
T 4	6/10/2004	197.48	4.76	192.72	see T1 for sample results						
T 4	9/28/2004	197.48	4.86	192.62	see T1 for sample results						
T 4	12/8/2004	197.48	4.21	193.27	see T1 for sample results						
T 4	3/23/2005	197.48	4.35	193.13	see T1 for sample results						
T 4	6/1/2005	197.48	car		see T1 for sample results						
T 4	9/21/2005	197.48	car		see T1 for sample results						
T 4	12/7/2005	197.48	car		see T1 for sample results						
T 4	3/28/2006	197.48	car		see T1 for sample results						
T 4	6/21/2006	197.48	car		see T1 for sample results						
T 4	9/13/2006	197.48	car		see T1 for sample results						
T 4	12/21/2006	197.48	car		see T1 for sample results						
T 4	3/12/2007	197.48	car		see T1 for sample results						
T 4	6/20/2007	197.48	car		see T1 for sample results						
T 4	9/26/2007	197.48	car		see T1 for sample results						
T 4	12/18/2007	197.48	car		see T1 for sample results						
T 4	3/12/2008	197.48	car		see T1 for sample results						
T 4	6/25/2008	197.48	car		see T1 for sample results						
T 4	9/17/2008	197.48	car		see T1 for sample results						
LF 1	1/22/2004	226.59	29.12	197.47							
LF 1	3/30/2004	226.59	26.45	200.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	6/10/2004	226.59	27.57	199.02	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	9/28/2004	226.59	28.72	197.87	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	12/8/2004	226.59	car								
LF 1	3/23/2005	226.59	car								
LF 1	6/1/2005	226.59	car								
LF 1	9/21/2005	226.59	car								
LF 1	12/7/2005	226.59	26.67	199.92	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	3/28/2006	226.59	25.25	201.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	6/21/2006	226.59	23.05	203.54	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	9/13/2006	226.59	29.23	197.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	12/21/2006	226.59	32.12	194.47	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	3/12/2007	226.59	31.47	195.12	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	6/20/2007	226.59	32.72	193.87	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	9/26/2007	226.59	31.82	194.77	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	12/18/2007	226.59			car						
LF 1	3/12/2008	226.59	32.06	194.53	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
LF 1	6/25/2008	226.59			well is no longer there						

ND BELOW LABORATORY DETECTION LIMITS  
TPH-G TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
\* MTBE results confirmed by EPA Method 8260 (GC/MS)  
\*\* LAB REPORT HAD RS-6 AND RS-7 MISLABELED, RESAMPLE ON 7/30/98 CONFIRMED.  
\*\*\*\* WELL CASING ELEVATION SURVEY 8-27-99, WADE HAMMOND No.6163, BENCH MARK CITY OF OAKLAND #2814  
SAMPLES ANALYZED USING EPA METHOD 8260B

TABLE 2  
WASTEWATER DISCHARGE PERMIT # 5043550 1  
FORMER DP #793  
4035 PARK BLVD., OAKLAND, CALIFORNIA

WASTEWATER SOURCE ID	DATE	METER	NEW	GALLONS DISCHARGED BETWEEN VISITS	ACCUMULATIVE GALLONS DISCHARGED	AVERAGE DISCHARGE PER MINUTE IN GALLONS	EPA METHOD 8260B					
		READING IN GALLONS #35635668	METER IN GALLONS #47083426				BENZENE ug/L	TOLUENE ug/L	ETHYL- BENZENE ug/L	XYLENES ug/L	MtBE ug/L	
F1 (PSP No. 1)	12/28/2006			34410	23415	1146311	0.40	<0.5	<0.5	<0.5	<0.5	<0.5
F1 (PSP No. 1)	1/25/2007			46350	11940	1158251	0.30					
F1 (PSP No. 1)	2/22/2007			61317	14967	1173218	0.37					
F1 (PSP No. 1)	3/16/2007			73224	11907	1185125	0.38					
F1 (PSP No. 1)	4/25/2007			98729	25505	1210630	0.44					
F1 (PSP No. 1)	5/23/2007			117072	18343	1228973	0.45					
F1 (PSP No. 1)	6/20/2007			134280	17208	1246181	0.43	<0.5	<0.5	<0.5	<0.5	
F1 (PSP No. 1)	6/29/2007			139075	4795	1250976	0.37					
F1 (PSP No. 1)	7/20/2007			150515	11440	1262416	0.38					
F1 (PSP No. 1)	8/14/2007			163770	13255	1275671	0.37					
F1 (PSP No. 1)	9/26/2007			184412	20642	1296313	0.33					
F1 (PSP No. 1)	10/18/2007			186895	2483	1298796	0.08					
F1 (PSP No. 1)	11/20/2007			194680	7785	1306581	0.16					
F1 (PSP No. 1)	12/18/2007			206995	12315	1318896	0.31					
F1 (PSP No. 1)	1/23/2008			212347	5352	1324248	0.10	<0.5	<0.5	<0.5	<0.5	
F1 (PSP No. 1)	2/22/2008			218489	6142	1330390	0.14					
F1 (PSP No. 1)	3/25/2008			225918	7429	1337819	0.16					
F1 (PSP No. 1)	4/23/2008			244840	18922	1356741	0.45					
F1 (PSP No. 1)	5/29/2008			266782	21942	1378683	0.42					
F1 (PSP No. 1)	6/25/2008			283157	16375	1395058	0.42	<0.5	<0.5	<0.5	<0.5	
F1 (PSP No. 1)	7/17/2008			295819	12662	1407720	0.40					
F1 (PSP No. 1)	8/21/2008			313976	18157	1425877	0.36					
F1 (PSP No. 1)	9/17/2008			321849	7873	1433750	0.20					
F1 (PSP No. 1)	10/16/2008			324594	2745	1436495	0.07					
F1 (PSP No. 1)	11/18/2008			342138	17544	1454039	0.37					
F1 (PSP No. 1)	12/17/2008			354777	12639	1466678	0.30	<0.5	<0.5	<0.5	<0.5	

< BELOW LABORATORY LOWER DETECTION LIMITS

ug/L micrograms per liter (parts per billion)

Note: water meter #47083426 did not function during initial test, substitute meter #35635668 used until cleaned and tested. Re-installed January 28, 2000.

Note: water meter difference from 7/19/2001 to 3/21/2002 is from use of meter at other sites to meter discharges when pumping was discontinued on 7/19/2001.

WATER DISCHARGED TO SEWER IS FROM PURGING OF T1, DISCHARGE FROM WELL RS5 AND PURGED WATER FROM 1/4LY SAMPLING.

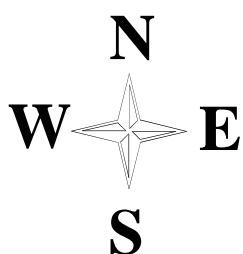
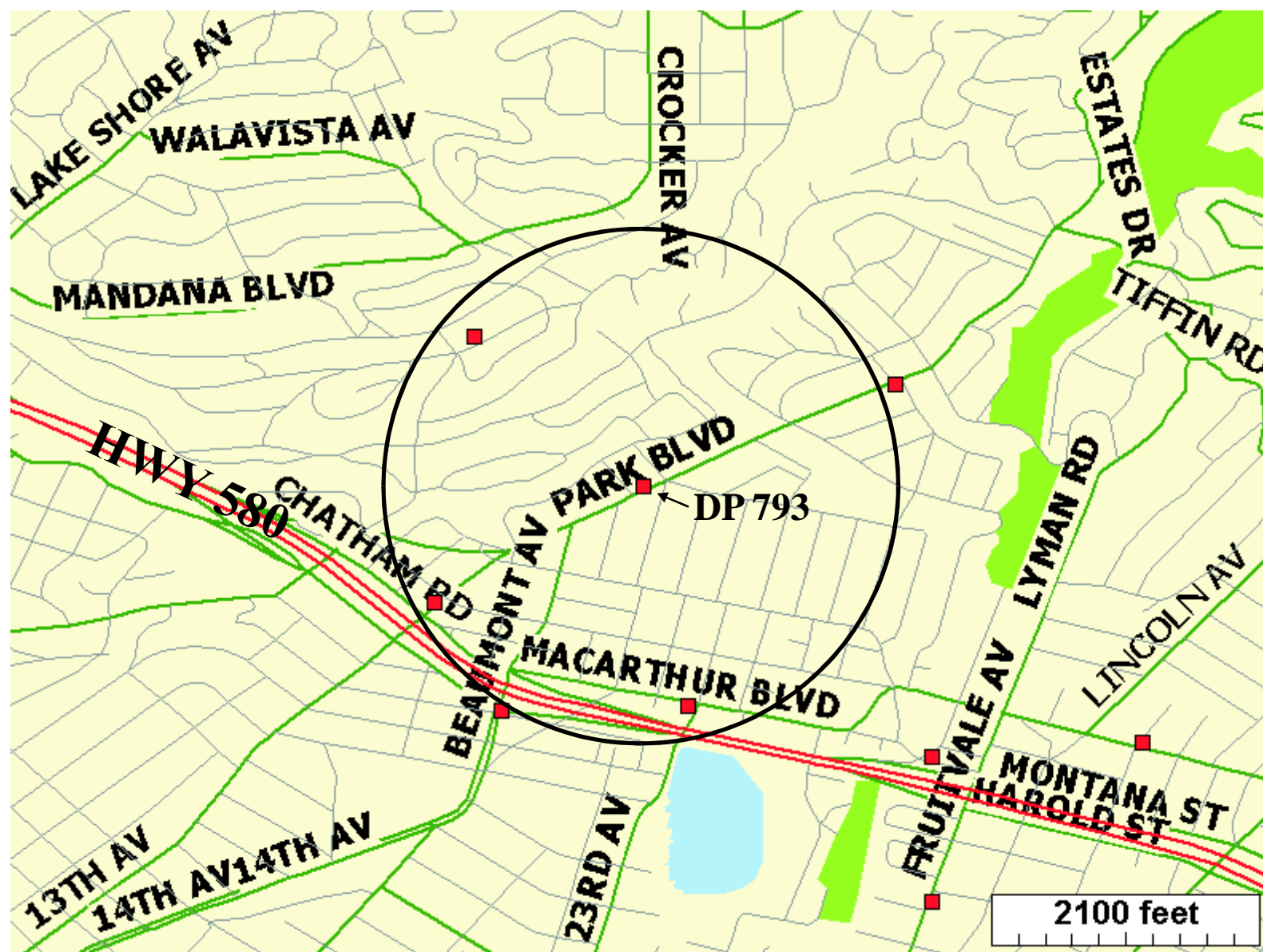


FIGURE 1  
 GEOTRACKER  
 AREA WELL & LUST MAP  
 DP 793  
 4035 PARK BLVD.  
 OAKLAND, CA

- LUST SITES
- WELLS

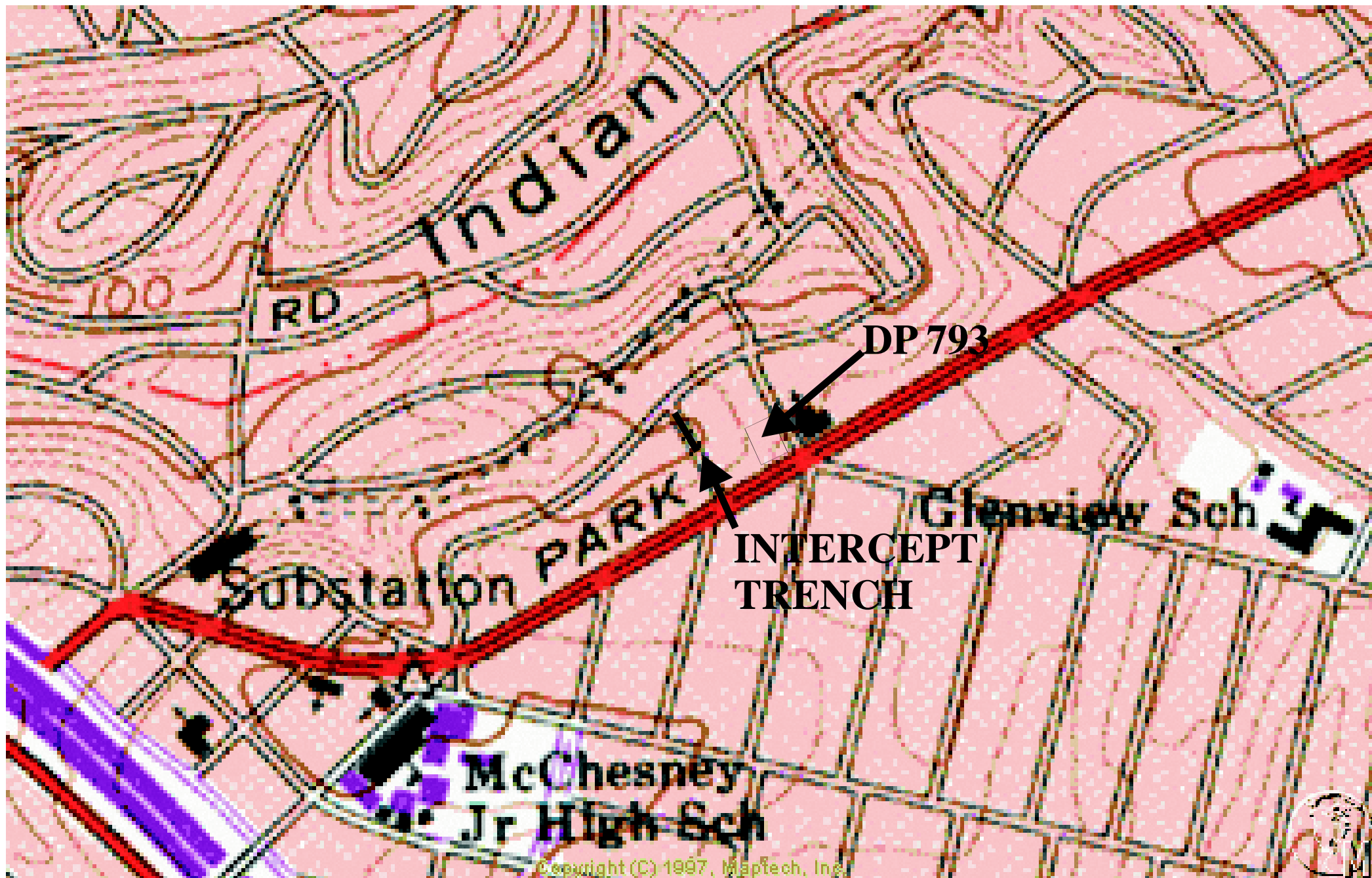
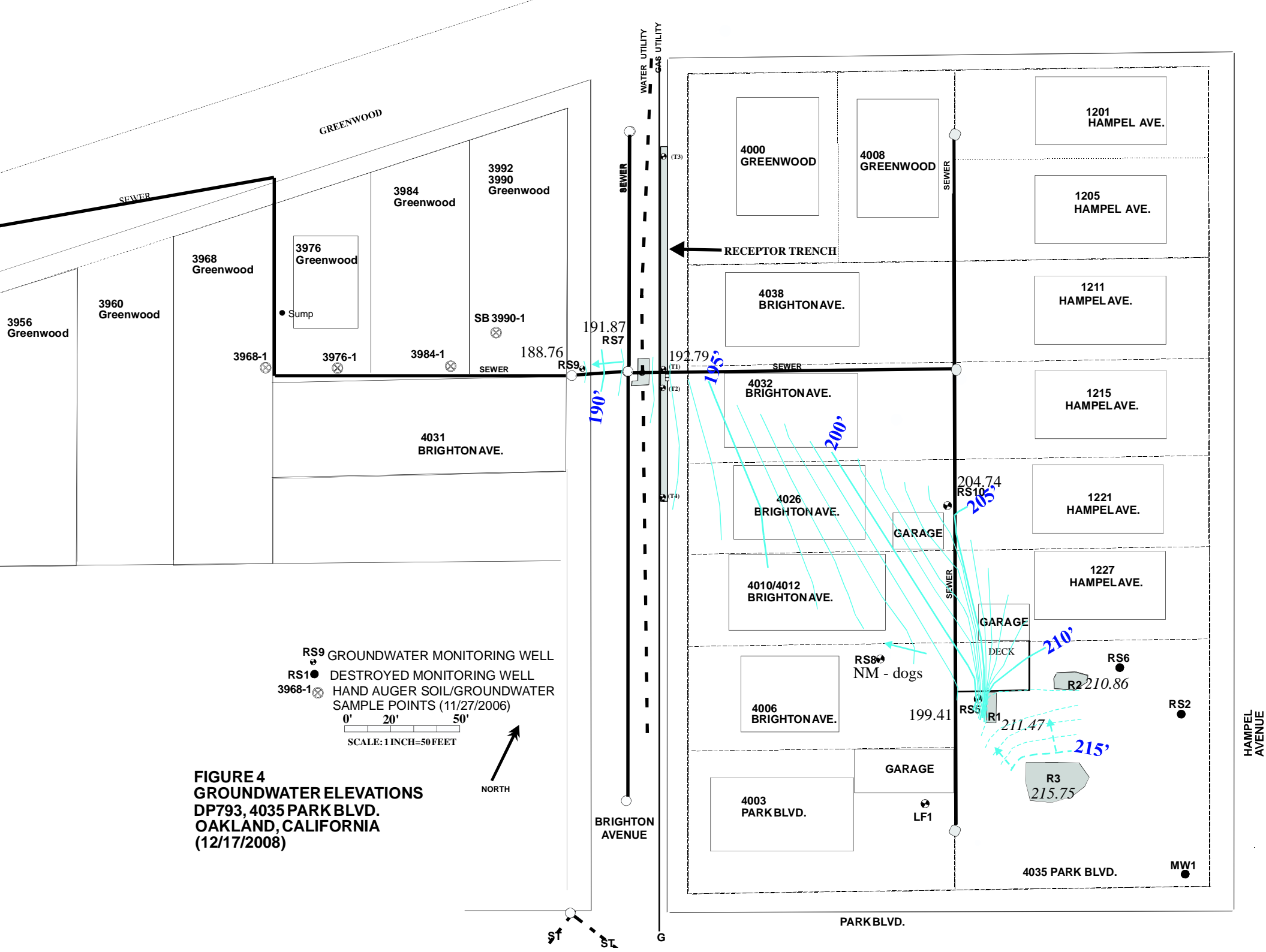
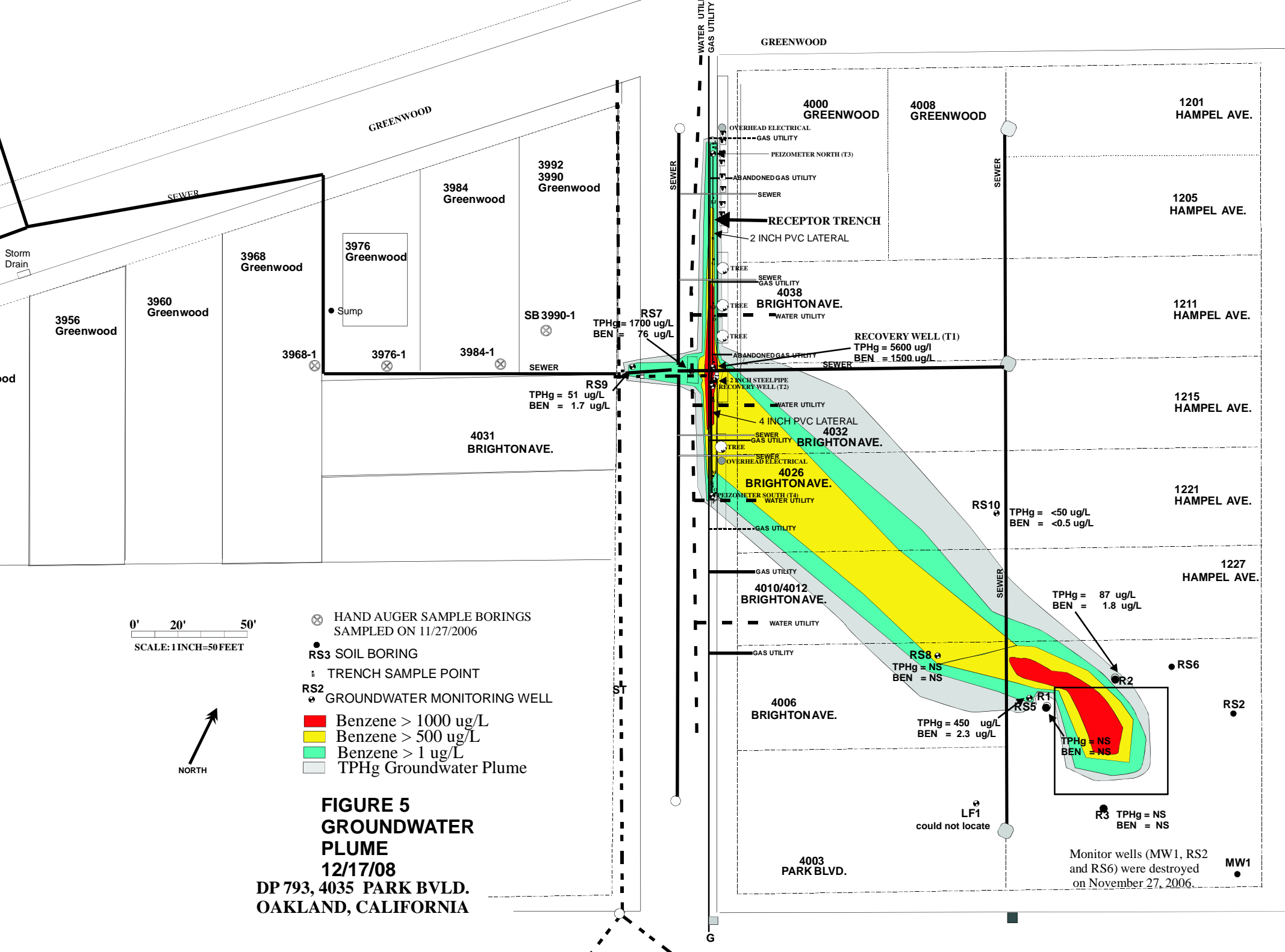


FIGURE 2  
PORTION OF OAKLAND EAST 7.5 MINUTE USGS TOPOGRAPHIC MAP









- ⊗ HAND AUGER SAMPLE BORINGS SAMPLED ON 11/27/2006
- RS3 SOIL BORING
- ⊖ TRENCH SAMPLE POINT
- ⊕ RS2 GROUNDWATER MONITORING WELL
- Benzene > 1000 ug/L
- Benzene > 500 ug/L
- Benzene > 1 ug/L
- TPHg Groundwater Plume

**FIGURE 5  
GROUNDWATER  
PLUME  
12/17/08  
DP 793, 4035 PARK BLVD.  
OAKLAND, CALIFORNIA**

0' 20' 50'  
SCALE: 1 INCH=50 FEET



ST

G

RS7

TPHg = 1700 ug/L  
BEN = 76 ug/L

RS9

TPHg = 51 ug/L  
BEN = 1.7 ug/L

RS8

TPHg = NS  
BEN = NS

RS5

TPHg = 450 ug/L  
BEN = 2.3 ug/L

RS6

TPHg = 87 ug/L  
BEN = 1.8 ug/L

RS2

TPHg = NS  
BEN = NS

RS3

TPHg = NS  
BEN = NS

RS10

TPHg = <50 ug/L  
BEN = <0.5 ug/L

RS6

TPHg = NS  
BEN = NS

RS1

TPHg = NS  
BEN = NS

RS5

TPHg = NS  
BEN = NS

RS2

TPHg = NS  
BEN = NS

RS3

TPHg = NS  
BEN = NS

RS6

TPHg = NS  
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TPHg = NS  
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TPHg = NS  
BEN = NS

RS5

TPHg = NS  
BEN = NS

RS2

TPHg = NS  
BEN = NS

RS3

TPHg = NS  
BEN = NS

RS6

TPHg = NS  
BEN = NS

RS1

TPHg = NS  
BEN = NS

RS5

TPHg = NS  
BEN = NS

RS2

TPHg = NS  
BEN = NS

RS3

TPHg = NS  
BEN = NS

RS6

TPHg = NS  
BEN = NS

RS1

TPHg = NS  
BEN = NS

RS5

TPHg = NS  
BEN = NS

RS2

TPHg = NS  
BEN = NS

RS3

TPHg = NS  
BEN = NS

RS6

TPHg = NS  
BEN = NS

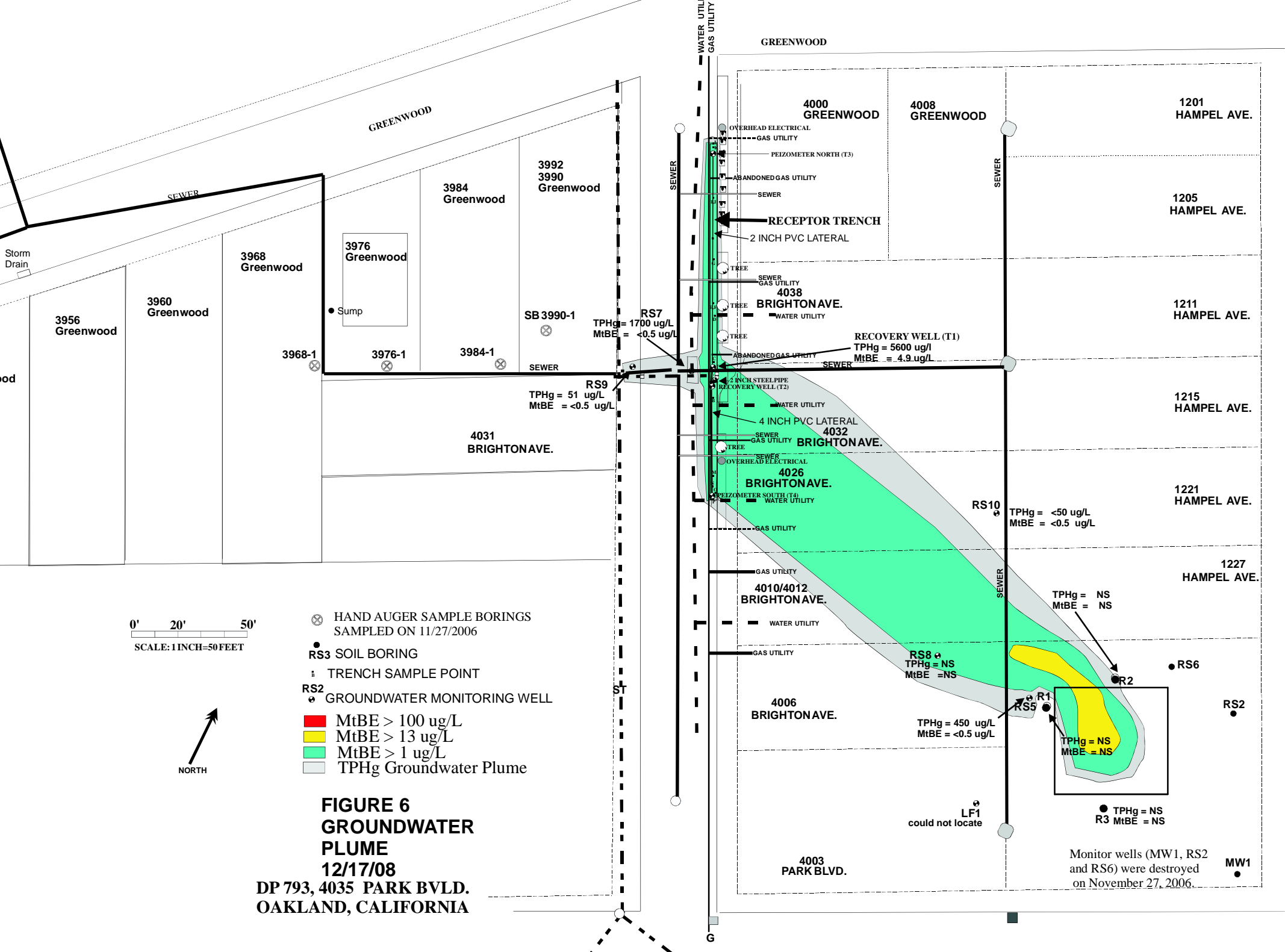
RS1

TPHg = NS  
BEN = NS

RS5

TPHg = NS  
BEN = NS





**FIGURE 6**  
**GROUNDWATER**  
**PLUME**  
**12/17/08**  
**DP 793, 4035 PARK BLVD.**  
**OAKLAND, CALIFORNIA**

APPENDIX A  
METHODS AND PROCEDURES QA/QC  
WITH FIELD NOTES

## APPENDIX A.

### METHODS AND PROCEDURES, QA/QC

This Appendix documents the specific methods, procedures, and materials used to collect and analyze ground water samples.

#### Gauging and Measuring Monitor Wells.

Prior to sampling a well, WEGE personnel obtain two measurements: the depth to ground water and the product thickness using a battery powered depth to water-product interface probe and or by using a specially designed bailer. The probe is lowered into the well casing until the instrument signals that the top of water has been reached. The distance from the top of water to the top of casing is read from the tape calibrated in 0.01 foot intervals for accuracy to 0.01 foot, that is attached to the probe. The measured distance is subtracted from the established elevation at the top of casing to determine the elevation of ground water with respect to mean sea level.

The probe is washed with TSP and rinsed in distilled water before each measurement. WEGE has designed and built bailers that will collect a sample of the contents of a well to show the exact thickness of any floating product.

#### Purging Standing Water from Monitor Wells

If no product is present, WEGE personnel purge the well. This is accomplished by removing ground water from the well until the water quality parameters (temperature, pH, and conductivity) stabilize, or until the well is emptied of water. Periodic measurements of ground water temperature, pH, and conductivity were taken with a Hydac Monitor or other meter and recorded along with the volume of ground water removed from the well. Purging is done by one or more methods singularly or in combination. Bailers, pneumatic or electric sample pumps, or vacuum pump tanks or trucks may be used. The usual amount of water removed is three well volumes. The water collected during purging is either safely stored onsite for later disposition, transported to an approved onsite or offsite sewer discharge system, or an approved onsite or offsite treatment system.

#### Collection of Water Sample for Analysis

The well is allowed to recover after purging and a ground water sample is collected. A fresh bailer is used to collect enough water for the requirements of the laboratory for the analyses needed or required. The water samples are decanted from the bailer into the appropriate number and size containers. These containers are furnished pre-cleaned to exact EPA protocols, with and without preservatives added, by the analytical laboratory or a chemical supply company. The bottles are filled, with no headspace, and then capped with plastic caps with teflon liners.

The vials or bottles containing the ground water samples are labeled with site name, station, date, time, sampler, and analyses to be performed, and documented on a chain of custody form. They were placed in ziplock bags and stored in a chest cooled to 4°C with ice. The preserved samples are chain of custody delivered to the chosen laboratory.

## Analytical Results

TPH is the abbreviations used for Total Petroleum Hydrocarbons used by the laboratories for water and soil analyses. The letter following TPH indicates a particular distinction or grouping for the results. The letters "g", "d", "k", or "o" indicates gasoline, diesel, kerosene, or oil, respectively, ie. TPH-d for diesel range TPH.

BTEX or MTBE are acronyms or abbreviations used for Benzene, Toluene, Ethylbenzene and all of the Xylenes (BTEX) and Methyl Tertiary Butyl Ether (MTBE), respectively.

MBTEX is the designation for the combination of the above five compounds.

The less than symbol, <, used with a "parts per value" indicates the lower detection limit for a given analytical result and the level, if present, of that particular analyte is below or less than that lower detection limit.

Other abbreviations commonly used are ppm, ppb, mg/Kg, ug/Kg, ml/l and ul/l are parts per million, parts per billion, milligrams per kilogram, micrograms per kilogram, milliliters per liter, microliters per liter, respectively.

## Chain of Custody Documentation

All water samples that are collected by WEGE and transported to a certified analytical laboratory are accompanied by chain-of-custody (COC) documentation. This documentation is used to record the movement and custody of a sample from collection in the field to final analysis and storage. Samples to be analyzed at the certified laboratory were logged on the COC sheet provided by the laboratory. The same information provided on the sample labels (site name, sample location, date, time, and analysis to be performed) is also noted on the COC form. Each person relinquishing custody of the sample set signs the COC form indicating the date and time of the transfer to the recipient. A copy of the COC follows the samples or their extracts throughout the laboratory to aid the analyst in identifying the samples and to assure analysis within holding times.

Copies of the COC documentation are included with the laboratory results in Appendix B of this report.

December 11, 2008

Dear Property Owner/Renter

Western Geo-Engineers will be sampling the monitor wells along Brighton Avenue parking areas in front of 4026 and 4032 Brighton Avenue along with the monitor wells within the backyards of 4006 and 4026 Brighton Avenue on **December 17, 2008**. Please allow access to these wells.

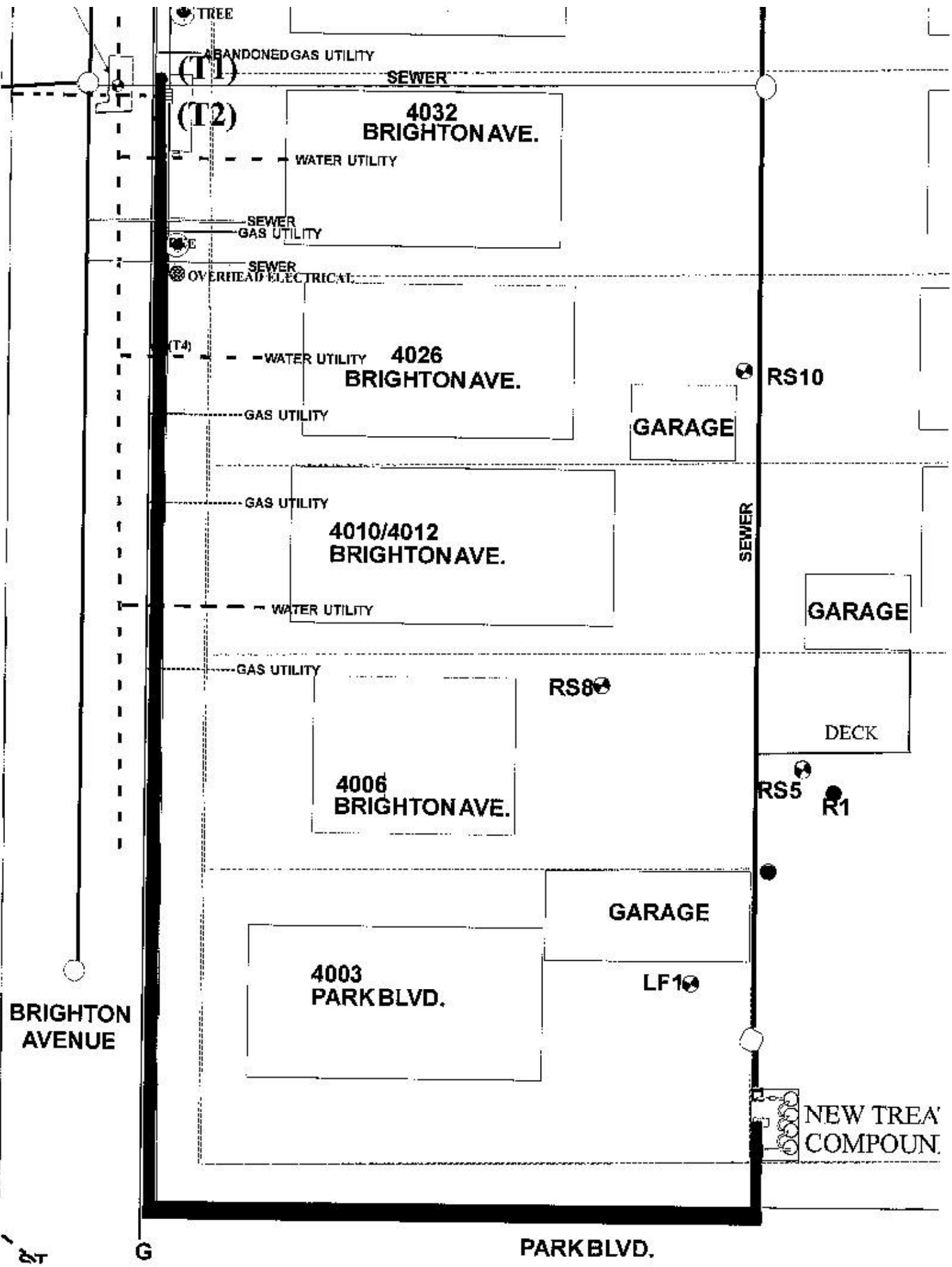
The wells will be sampled in the morning between **9AM and Noon** on **December 17, 2008**. If you need to contact me prior to the sampling event please call my office at (530) 668-5300.

Another issue: We are going to construct a line from our wells in Brighton Avenue to the site. This construction (trenching) is anticipated to begin on or near January 5, 2008. The east curb area of Brighton Avenue and the south curb area of Park Blvd. will contain the, to be installed, piping/trench. These areas cannot be used for parking during the construction period (1-2 weeks). Trench plates will be place at all affected drives to allow access to your drives. Once a firm date is obtained, notifications will be posted.

Regards,



George Converse  
Project Geologist  
(530) 668-5300





**WESTERN  
GEO-ENGINEERS**  
CALIF. CONTRACTOR #513857  
REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET  
WOODLAND CA 95776-6003  
(530) 668-5300.  
FAX (530) 662-0273  
wege@cal.net

**GROUNDWATER ELEVATION DATA  
AND PRODUCT THICKNESS MEASUREMENTS**

SITE DP 793, 4035 Park Blvd., Oakland, CA.

DATE December 17, 2008

START TIME \_\_\_\_\_

MEASURED BY George Converse

DTW METER USED Solinst Model 122

WELL ID	Casing Elevation in feet	DEPTH OF WELL feet below top of casing (ft/c)	DEPTH TO WATER (ft/c)	DEPTH TO TOP OF FLUID (ft/c)	Free Phase floating (feet)	WATER COLUMN IN FEET	Water Elevation
RS05	227.61	39.20	28.2	28.2	0		199.41
RS07	195.99	7.25	4.12	4.12	0		191.87
RS08	214.67	14.50	Dogs - No access				---
RS09	195.63	15.50	6.87	6.87	0		188.76
RS10	208.46	9.80	3.72	3.72	0		204.74
RO1	227.69	16.8	16.22	16.22	water stops in casing shoe		(211.47)?
RO2	227.28	16.92	16.42	16.42	water stops in casing shoe		(210.86)?
RO3	227.25	11.74	11.50	11.50	water stops in casing shoe		(215.75)?
T01	195.11	10	2.32	2.32	0		192.79
T02	195.30	10					
T03	202.38	10					
T04	197.48	10					

NOTES Global ID# T0600100158 Sampling Co. Log Code: WGEW







**WESTERN  
GEO-ENGINEERS**  
CALIF. CONTRACTOR #513857  
REGISTERED GEOLOGISTS

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FAX (530) 662-0273  
wego@cnl.net

**WELL SAMPLE DATA SHEET**

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.

DATE December 17, 2008 START TIME \_\_\_\_\_  
 WELL ID# RS07 SAMPLE BY CONVERSE  
 CASING ELEVATION, IN FEET 195.99 WATER COLUMN, IN FEET 2.88  
 CASING TOTAL DEPTH, IN FEET 7.0 G/L PURGE ONE CASING VOLUME 1.92  
 CASING DIAMETER IN INCHES 4" (CASING MULTIPLIERS: 2 INCH = 0.165 g/ FT  
 2" = 0.625 L/FT 4 INCH = 0.65 g/ FT  
 4" = 2.46 L/FT 6 INCH = 1.47 g/FT)  
 DEPTH TO TOP OF FLUID 4.12 FT<sup>3</sup> WATER 7.48 GALLONS (G)/28.3 LITERS (L)  
 DEPTH TO TOP OF WATER 4.12 FREE PHASE PRODUCT THICKNESS \_\_\_\_\_  
 TOP OF WATER ELEVATION \_\_\_\_\_ PUMP RATE \_\_\_\_\_  
 PUMP TYPE hand bail  
 DTW METER USED SOLINST MODEL 122 pH, Cond, Temp meter used HANNA HI 99130

48  
2.9  
65  
14.5  
17.4  
18.85

TIME	INTAKE DEPTH	RATE GPM/LPM	CUM. VOL. GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
1244				13.3	7.15	926	463		SI Turbidity Too cloudy
1246			1.0	13.0	7.27	620	310		
1248			2.0	13.2	7.40	488	250		
1250			3.0	12.8	7.35 587	587	295		
1255			4.0	12.6	7.28	555	287		
1300			6.0	12.8	7.32	588	294		
									DTW 4.20

FINAL VOLUME PURGED 6.28

ANALYSIS INCLUDES: 8260B TPHg, BTEX, MIBE

TIME SAMPLED 13:01

SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOA'S

SAMPLE ID# RS07

LABORATORY USED KIFF Analytical

NOTES \_\_\_\_\_





**WESTERN  
GEO-ENGINEERS**  
CALIF. CONTRACTOR #513857  
REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET  
WOODLAND CA 95776-6003  
(530) 668-5300  
FAX (530) 662-0273  
wege@cal.net

WELL SAMPLE DATA SHEET

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.

DATE December 17, 2008

START TIME 1205

WELL ID# RS09

SAMPLE BY CONVERSE

CASING ELEVATION, IN FEET 195.63

WATER COLUMN, IN FEET 8.63

CASING TOTAL DEPTH, IN FEET 15.50

G/L PURGE ONE CASING VOLUME 1.48

CASING DIAMETER IN INCHES 2"

(CASING MULTIPLIERS: 2 INCH = 0.165 g/ FT

DEPTH TO TOP OF FLUID 6.87

2" = 0.625 L/FT

4 INCH = 0.65 g/ FT

4" = 2.46 L/FT

6 INCH = 1.47 g/FT)

DEPTH TO TOP OF WATER 6.87

FT<sup>3</sup> WATER 7.48 GALLONS (G)/28.3 LITERS(L)

TOP OF WATER ELEVATION

FREE PHASE PRODUCT THICKNESS

PUMP TYPE DISPOSABLE BAILER

PUMP RATE

DTW METER USED SOLINST MODEL 122

pH, Cond, Temp meter used HANNA HI 99130

7  
8.6  
-1.68  
43.0  
91.6  
86  
141.90

TIME	INTAKE DEPTH	RATE GPM/LPM	CUM. VOL. GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
1215				10.1	5.79	310	153		SI Tabid no odor
1217			2.0	14.9	7.07	320	159		
1219			3.0	15.4	7.01	327	163		
1221			3.5	15.7	6.86	312	156		
1224			4.0	15.5	6.78	300	150		
							DTW =	9.85	

FINAL VOLUME PURGED 4.25

ANALYSIS INCLUDES: 8260B TPHg, BTEX, MIBE

TIME SAMPLED 12:25

SAMPLE CONTAINERS 3-HCl PRESERVED

SAMPLE ID# RS09

40CC VOA'S

LABORATORY USED KIFF Analytical

NOTES



**WESTERN  
GEO-ENGINEERS**  
CALIF. CONTRACTOR #513857  
REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET  
WOODLAND CA 95776-6003  
(530) 668-5300.  
FAX (530) 662-0273  
wego@cal.net

**WELL SAMPLE DATA SHEET**

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.

DATE December 17, 2008

WELL ID# RS10

CASING ELEVATION, IN FEET 208.46

CASING TOTAL DEPTH, IN FEET 9.78'

VOLUME 1.04 gal

CASING DIAMETER IN INCHES 2"

DEPTH TO TOP OF FLUID 3.72

DEPTH TO TOP OF WATER 3.72

TOP OF WATER ELEVATION

PUMP TYPE DISPOSABLE BAILER

DTW METER USED SOLINST MODEL 122

START TIME 11:30

SAMPLE BY CONVERSE

WATER COLUMN, IN FEET 6.26

G/L PURGE ONE CASING

(CASING MULTIPLIERS: 2 INCH = 0.165 g/ FT

2" = 0.625 L/FT

4" = 2.46 L/FT

4" = 2.46 L/FT

6 INCH = 1.47 g/FT)

6 INCH = 1.47 g/FT)

FT<sup>3</sup> WATER 7.48 GALLONS (G)/28.3 LITERS (L)

FREE PHASE PRODUCT THICKNESS

PUMP RATE

pH, Cond. Temp meter used HANNA HI 99130

TIME	INTAKE DEPTH	RATE GPM/LPM	CUM. VOL GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
11:40				12.7	6.93	349	174		ST Turbid No color
11:43			1.0	13.5	6.88	292	146		
11:45			2.0	13.7	6.60	298	149		
11:48			3.0	14.1	6.46	288	144		
11:50			3.5	14.3	6.49	279	140		
							DTW =	4.20	

FINAL VOLUME PURGED 3.75 gal

TIME SAMPLED 11:52

SAMPLE ID# RS10

ANALYSIS INCLUDES: 8260B TPH, BTEX,

MIB

SAMPLE CONTAINERS 3-HCl PRESERVED

40CC VOA'S

LABORATORY USED KIFF Analytical

6.3  
1165  
31.5  
378  
63  
10395





**WESTERN  
GEO-ENGINEERS**  
CALIF. CONTRACTOR #513857  
REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET  
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(530) 668-5300  
FAX (530) 662-0273  
wego@cal.net

**WELL SAMPLE DATA SHEET**

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.

DATE December 17, 2008 START TIME \_\_\_\_\_  
 WELL ID# R2 SAMPLE BY CONVERSE  
 CASING ELEVATION, IN FEET 227.28 WATER COLUMN, IN FEET 0.5  
 CASING TOTAL DEPTH, IN FEET 16.92 G/L PURGE ONE CASING VOLUME \_\_\_\_\_  
 CASING DIAMETER IN INCHES 6" (CASING MULTIPLIERS: 2 INCH = 0.165 g/ FT  
 DEPTH TO TOP OF FLUID 16.42 4" = 2.46 L/FT 4 INCH = 0.65 g/ FT  
 6" = 5.56 L/FT 6 INCH = 1.47 g/FT)  
 DEPTH TO TOP OF WATER 16.42 FT<sup>3</sup> WATER 7.48 GALLONS (G)/28.3 LITERS (L)  
 TOP OF WATER ELEVATION \_\_\_\_\_ FREE PHASE PRODUCT THICKNESS \_\_\_\_\_  
 PUMP TYPE Hand Bail PUMP RATE \_\_\_\_\_  
 DTW METER USED SOLINST MODEL 122 pH, Cond, Temp meter used HANNA HI 99130

TIME	INTAKE DEPTH	RATE GPM/LPM	CUM. VOL. GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)

FINAL VOLUME PURGED \_\_\_\_\_ ANALYSIS INCLUDES: 8260B TPHg, BTEX, MIBE  
 TIME SAMPLED \_\_\_\_\_ SAMPLE CONTAINERS 3-HCl PRESERVED  
 SAMPLE ID# R2 40CC VOA'S  
 NOTES \_\_\_\_\_ LABORATORY USED KIFF Analytical



**WESTERN  
GEO-ENGINEERS**  
CALIF. CONTRACTOR #513857  
REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET  
WOODLAND CA 95776-6003  
(530) 668-5300  
FAX (530) 662-0273  
wego@cal.net

**WELL SAMPLE DATA SHEET**

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.

DATE December 17, 2008

START TIME \_\_\_\_\_

WELL ID# R3

SAMPLE BY CONVERSE

CASING ELEVATION, IN FEET 227.25

WATER COLUMN, IN FEET 0.24

CASING TOTAL DEPTH, IN FEET 11.74

G/L PURGE ONE CASING VOLUME

CASING DIAMETER IN INCHES 6"

(CASING MULTIPLIERS: 2 INCH = 0.165 gl/ FT

DEPTH TO TOP OF FLUID 11.50

4" = 2.46 L/FT

4 INCH = 0.65 gl/ FT

6" = 5.56 L/FT

6 INCH = 1.47 gl/FT)

FT<sup>3</sup> WATER 7.48 GALLONS (G)/28.3 LITERS(L)

DEPTH TO TOP OF WATER 11.50

FREE PHASE PRODUCT THICKNESS \_\_\_\_\_

TOP OF WATER ELEVATION \_\_\_\_\_

PUMP TYPE Hand Bail

PUMP RATE \_\_\_\_\_

DTW METER USED SOLINST MODEL 122

pH, Cond, Temp meter used HANNA HI 99130

TIME	INTAKE DEPTH	RATE GPM/LPM	CHIM. VOL GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)

*Make Sure to Check Spill*

FINAL VOLUME PURGED \_\_\_\_\_

ANALYSIS INCLUDES: 8260B TPHg, BTEX, McBE

TIME SAMPLED \_\_\_\_\_

SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOA'S

SAMPLE ID# R3

LABORATORY USED KIFF Analytical

NOTES \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**WESTERN  
GEO-ENGINEERS**  
CALIF. CONTRACTOR #513857  
REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET  
WOODLAND CA 95776-6003  
(530) 668-5300  
FAX (530) 663-4273  
wegc@cal.net

**WELL SAMPLE DATA SHEET**

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.

DATE December 17, 2008 START TIME 1440

WELL ID# RECEPTOR TRENCH T1, T2, T3, T4 SAMPLE BY CONVERSE

CASING ELEVATION, IN FEET T2=195.30 WATER COLUMN, IN FEET 7.7

CASING TOTAL DEPTH, IN FEET 10 G/L PURGE ONE CASING VOLUME 5.0

CASING DIAMETER IN INCHES 4" (CASING MULTIPLIERS: 2 INCH = 0.165 gal/FT

DEPTH TO TOP OF FLUID 2.72 2" = 0.625 L/FT 4 INCH = 0.65 gal/FT

4" = 2.46 L/FT 6 INCH = 1.47 gal/FT

DEPTH TO TOP OF WATER 1.6 FT<sup>3</sup> WATER 7.48 GALLONS (6)/28.3 LITERS(L)

TOP OF WATER ELEVATION \_\_\_\_\_ FREE PHASE PRODUCT THICKNESS \_\_\_\_\_

PUMP TYPE Hand Bail PUMP RATE \_\_\_\_\_

DTW METER USED SOLINST MODEL 122 pH, Cond, Temp meter used HANNA HI 99130

7  
7.7  
- .68  
38  
462  
5005

TIME	INTAKE DEPTH	RATE GPM/LPM	CUM. VOL GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
14:44				14.6	7.28	636	318		clear to clear
14:46			3.0	15.2	7.12	645	327		}
14:48			6.0	15.3	7.09	637	318		
14:52			9.0	15.4	7.09	629	315		
								1776 234	

FINAL VOLUME PURGED 10-0

ANALYSIS INCLUDES: 8260B TPHg, BTEX, MIBE

TIME SAMPLED 1455

SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOA'S

SAMPLE ID# T1

LABORATORY USED KIFF Analytical

NOTES \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_





Project Contact (Hardcopy or PDF To): Geoff Conners California EDF Report?  Yes  No

**Chain-of-Custody Record and Analysis Request**

Company / Address: 786 E Beane St Sampling Company Log Code: \_\_\_\_\_  
WEGE Woodland CA 95776

**Analysis Request**

Phone Number: 530 668 5300 Global ID: \_\_\_\_\_

Fax Number: \_\_\_\_\_ EDF Deliverable To (Email Address): \_\_\_\_\_

Project #: Yearly P.O. #: \_\_\_\_\_ Bill to: WEGE

Project Name: DP 793 Sampler Print Name: Geoff Conners

Sampler Signature: [Signature]

Project Address: Oakland

Sample Designation	Sampling		Container				Preservative			Matrix			
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO <sub>3</sub>	None	Water	Soil	Air
<u>sewer</u>	<u>12-17-08</u>	<u>1500</u>	<u>3</u>					<u>X</u>			<u>X</u>		

PLEASE CIRCLE METHOD												TAT		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 wk

For Lab Use Only

Relinquished by: <u>[Signature]</u>	Date: <u>12-18-08</u>	Time: <u>1612</u>	Received by: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____
Relinquished by: _____	Date: <u>12-18-08</u>	Time: <u>1612</u>	Received by Laboratory: <u>[Signature]</u>

Remarks: \_\_\_\_\_

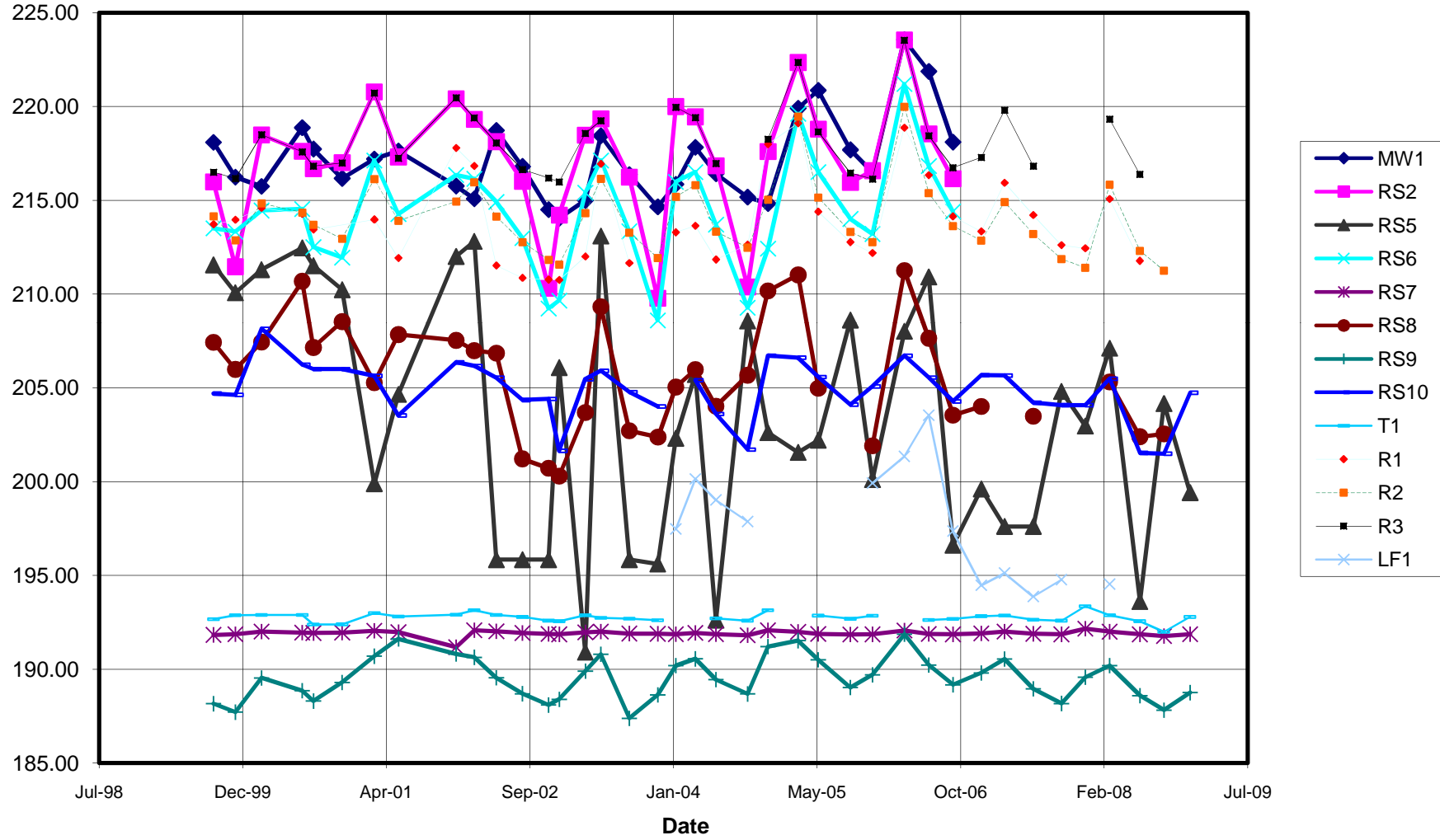
**For Lab Use Only: Sample Receipt**

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
<u>5.4</u>	<u>RT</u>	<u>12-18-08</u>	<u>1612</u>	<u>TR2</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

APPENDIX B.

GROUNDWATER ELEVATION CHART  
TPHg, Benzene & MtBE IN WELLS CHARTS

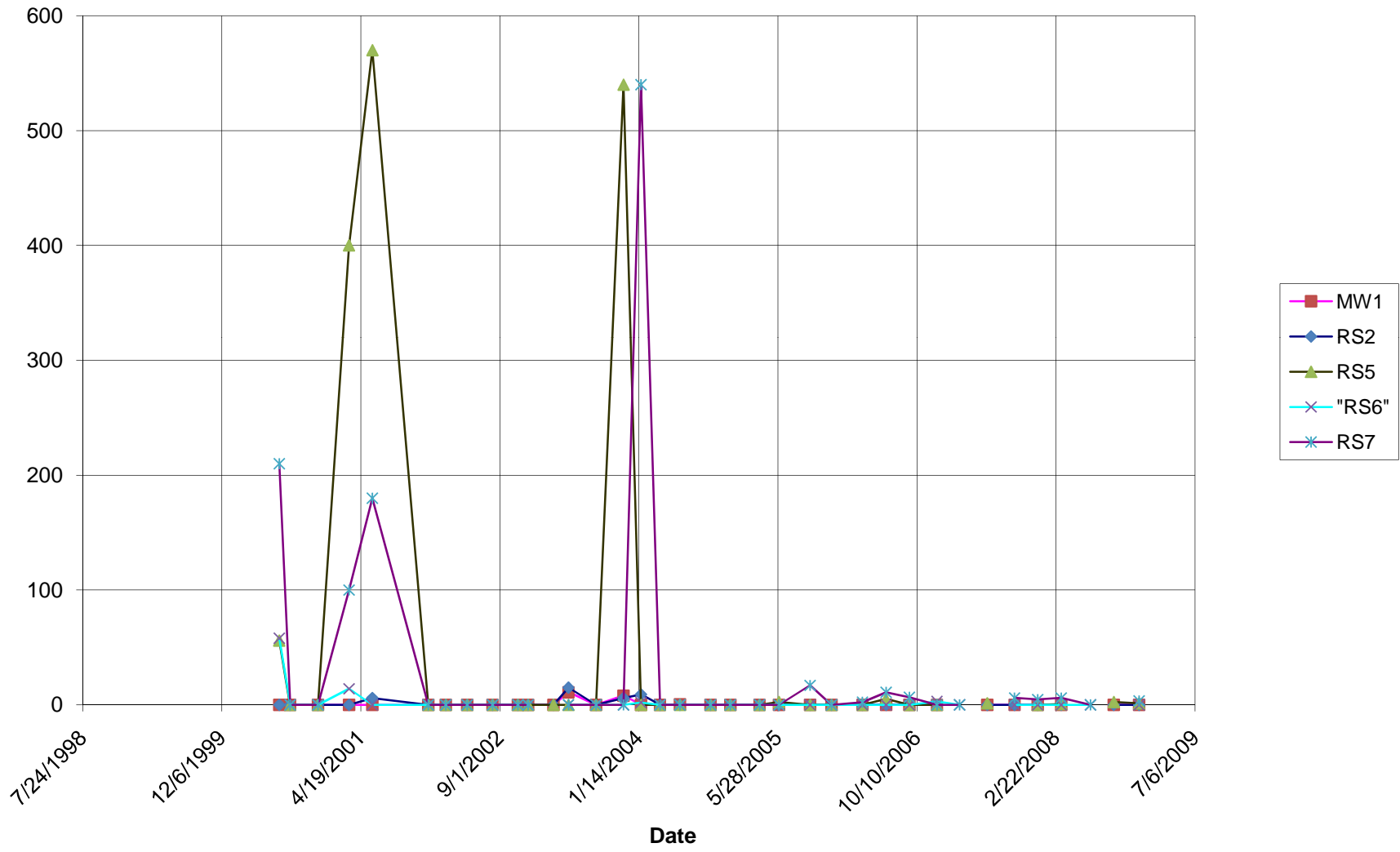
# Groundwater Elevation







### MTBE IN WELLS



APPENDIX C.  
LABORATORY REPORTS





Report Number : 66568

Date : 12/22/2008

George Converse  
Western Geo-Engineers  
1386 East Beamer St.  
Woodland, CA 95776

Subject : 5 Water Samples  
Project Name : DP793  
Project Number : 4th 1/4 2008

Dear Mr. Converse,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Report Number : 66568

Date : 12/22/2008

Subject : 5 Water Samples  
Project Name : DP793  
Project Number : 4th 1/4 2008

## Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples RS07, RS09, and RS10 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.



Report Number : 66568

Date : 12/22/2008

Project Name : **DP793**

Project Number : **4th 1/4 2008**

Sample : **RS05**

Matrix : Water

Lab Number : 66568-01

Sample Date :12/17/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>2.3</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Toluene</b>	<b>1.2</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Ethylbenzene</b>	<b>1.8</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Total Xylenes</b>	<b>13</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Methyl-t-butyl ether (MTBE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Tert-Butanol</b>	<b>&lt; 5.0</b>	5.0	ug/L	EPA 8260B	12/20/2008
<b>TPH as Gasoline</b>	<b>450</b>	50	ug/L	EPA 8260B	12/20/2008
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	12/20/2008
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	12/20/2008



Report Number : 66568

Date : 12/22/2008

Project Name : **DP793**

Project Number : **4th 1/4 2008**

Sample : **RS07**

Matrix : Water

Lab Number : 66568-02

Sample Date :12/17/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>76</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Toluene</b>	<b>3.0</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Ethylbenzene</b>	<b>73</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Total Xylenes</b>	<b>21</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Methyl-t-butyl ether (MTBE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Tert-Butanol</b>	<b>7.0</b>	5.0	ug/L	EPA 8260B	12/20/2008
<b>TPH as Gasoline</b>	<b>1700</b>	50	ug/L	EPA 8260B	12/20/2008
1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery	EPA 8260B	12/20/2008
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	12/20/2008



Report Number : 66568

Date : 12/22/2008

Project Name : **DP793**

Project Number : **4th 1/4 2008**

Sample : **RS09**

Matrix : Water

Lab Number : 66568-03

Sample Date :12/17/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>1.7</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Toluene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Ethylbenzene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Total Xylenes</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Methyl-t-butyl ether (MTBE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Tert-Butanol</b>	<b>&lt; 5.0</b>	5.0	ug/L	EPA 8260B	12/20/2008
<b>TPH as Gasoline</b>	<b>51</b>	50	ug/L	EPA 8260B	12/20/2008
1,2-Dichloroethane-d4 (Surr)	98.6		% Recovery	EPA 8260B	12/20/2008
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	12/20/2008



Report Number : 66568

Date : 12/22/2008

Project Name : **DP793**

Project Number : **4th 1/4 2008**

Sample : **RS10**

Matrix : Water

Lab Number : 66568-04

Sample Date :12/17/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Toluene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Ethylbenzene</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Total Xylenes</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Methyl-t-butyl ether (MTBE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	12/20/2008
<b>Tert-Butanol</b>	<b>&lt; 5.0</b>	5.0	ug/L	EPA 8260B	12/20/2008
<b>TPH as Gasoline</b>	<b>&lt; 50</b>	50	ug/L	EPA 8260B	12/20/2008
1,2-Dichloroethane-d4 (Surr)	98.5		% Recovery	EPA 8260B	12/20/2008
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	12/20/2008



Report Number : 66568

Date : 12/22/2008

Project Name : **DP793**

Project Number : **4th 1/4 2008**

Sample : **T1**

Matrix : Water

Lab Number : 66568-05

Sample Date :12/17/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>1500</b>	2.5	ug/L	EPA 8260B	12/22/2008
<b>Toluene</b>	<b>130</b>	2.5	ug/L	EPA 8260B	12/22/2008
<b>Ethylbenzene</b>	<b>140</b>	2.5	ug/L	EPA 8260B	12/22/2008
<b>Total Xylenes</b>	<b>310</b>	2.5	ug/L	EPA 8260B	12/22/2008
<b>Methyl-t-butyl ether (MTBE)</b>	<b>4.9</b>	2.5	ug/L	EPA 8260B	12/22/2008
<b>Tert-Butanol</b>	<b>43</b>	15	ug/L	EPA 8260B	12/22/2008
<b>TPH as Gasoline</b>	<b>5600</b>	250	ug/L	EPA 8260B	12/22/2008
1,2-Dichloroethane-d4 (Surr)	96.6		% Recovery	EPA 8260B	12/22/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/22/2008

**QC Report : Method Blank Data**Project Name : **DP793**Project Number : **4th 1/4 2008**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/22/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/22/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/22/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/22/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/22/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/22/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/22/2008
1,2-Dichloroethane-d4 (Surr)	98.0		%	EPA 8260B	12/22/2008
Toluene - d8 (Surr)	96.6		%	EPA 8260B	12/22/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/20/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/20/2008
1,2-Dichloroethane-d4 (Surr)	99.2		%	EPA 8260B	12/20/2008
Toluene - d8 (Surr)	98.5		%	EPA 8260B	12/20/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/20/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/20/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/20/2008
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	12/20/2008
Toluene - d8 (Surr)	97.2		%	EPA 8260B	12/20/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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**QC Report : Matrix Spike/ Matrix Spike Duplicate**Project Name : **DP793**Project Number : **4th 1/4 2008**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	66590-08	1.3	39.0	39.2	39.1	38.8	ug/L	EPA 8260B	12/22/08	96.8	95.8	1.01	70-130	25
Methyl-t-butyl ether	66590-08	1.6	39.3	39.4	41.7	39.8	ug/L	EPA 8260B	12/22/08	102	97.0	5.26	70-130	25
Tert-Butanol	66590-08	<5.0	198	199	190	192	ug/L	EPA 8260B	12/22/08	96.0	96.2	0.294	70-130	25
Toluene	66590-08	0.96	39.8	40.0	40.4	40.0	ug/L	EPA 8260B	12/22/08	99.1	97.6	1.52	70-130	25
Benzene	66569-01	<0.50	39.3	39.3	41.0	39.3	ug/L	EPA 8260B	12/20/08	104	99.9	4.29	70-130	25
Methyl-t-butyl ether	66569-01	310	39.6	39.6	345	336	ug/L	EPA 8260B	12/20/08	80.6	57.4	33.6	70-130	25
Tert-Butanol	66569-01	<5.0	200	200	225	219	ug/L	EPA 8260B	12/20/08	112	109	2.57	70-130	25
Toluene	66569-01	<0.50	40.1	40.1	43.1	41.5	ug/L	EPA 8260B	12/20/08	107	103	3.74	70-130	25
Benzene	66568-01	2.3	39.3	39.3	46.6	45.2	ug/L	EPA 8260B	12/20/08	113	109	3.33	70-130	25
Methyl-t-butyl ether	66568-01	<0.50	39.6	39.6	35.5	34.9	ug/L	EPA 8260B	12/20/08	89.7	88.3	1.64	70-130	25
Tert-Butanol	66568-01	<5.0	200	200	212	209	ug/L	EPA 8260B	12/20/08	106	104	1.05	70-130	25
Toluene	66568-01	1.2	40.1	40.1	44.8	43.2	ug/L	EPA 8260B	12/20/08	108	104	3.75	70-130	25

**QC Report : Laboratory Control Sample (LCS)**Project Name : **DP793**Project Number : **4th 1/4 2008**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.3	ug/L	EPA 8260B	12/22/08	97.1	70-130
Methyl-t-butyl ether	39.6	ug/L	EPA 8260B	12/22/08	107	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/22/08	92.8	70-130
Toluene	40.1	ug/L	EPA 8260B	12/22/08	98.2	70-130
Benzene	40.2	ug/L	EPA 8260B	12/20/08	106	70-130
Methyl-t-butyl ether	39.8	ug/L	EPA 8260B	12/20/08	95.5	70-130
Tert-Butanol	201	ug/L	EPA 8260B	12/20/08	112	70-130
Toluene	40.2	ug/L	EPA 8260B	12/20/08	107	70-130
Benzene	40.0	ug/L	EPA 8260B	12/20/08	98.7	70-130
Methyl-t-butyl ether	39.6	ug/L	EPA 8260B	12/20/08	91.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/20/08	101	70-130
Toluene	40.0	ug/L	EPA 8260B	12/20/08	100	70-130

