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Alameda County
Environmental Health

Mr. Jerry Wickham
Alameda County Health Care Services
Environmental Health Services
1131 Harbor Bay Parkway, Suite 350
Alameda, CA 94502-6577
(510) 567-6791
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April 9, 2008

Re: The following report documents the "First Quarter 2008 Groundwater Sampling Report/Update Status, Former Desert Petroleum Site DP793" dated April 9, 2008, documents groundwater monitor well samplings that occurred in March 13, 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.

4/11/08
Date

FIRST QUARTER 2008
GROUNDWATER SAMPLING REPORT

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

FOR

DESERT PETROLEUM

APRIL 8, 2008

BY

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

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Mr. Bill Thompson
Desert Petroleum
P.O. Box 1601
Oxnard, California 93032
(805) 644-6784 FAX (805) 654-0720

April 8, 2008

Dear Mr. Thompson:

The following report documents the first 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

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 March 12, 2008. Samples were analyzed for Total Petroleum Hydrocarbons as gasoline, Benzene, Toluene, Ethylbenzene, Xylenes, the fuel oxygenant Methyl tert-Butal 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 March 12, 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 March 12, 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 March 12, 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 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 southwest and west with a cone of influence created by the pumping of RS5 and influencing out to downgradient well RS8. The groundwater pumping system was turned off from February 28 to March 6, 2008 until a new water carbon unit was installed. This shut down of the system and the subsequent removal of the groundwater pump from RS5 for cleaning allowed the groundwater to rebound to a non pumping gradient prior to sampling on March 12, 2008. The hydraulic gradient averages 0.092 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. Another striking feature of the groundwater gradient is the 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 March 12, 2008 are shown in Table 1.

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 three monitor wells (RS07, RS)8, RS09), the receptor trench well (T1) and the pumping well (RS05) ranged from 22,000 ug/L at receptor trench well T1, to below laboratory lower detection limits of 50 ug/L in wells R1, R2, R3, RS10 and LF1, 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 six wells; the pumping well RS5 contained 330 ug/L, trench well T1 contained 6600 ug/L, RS7 contained 190 ug/L, RS8 contained 81 ug/L, R2 contained 0.59 ug/L and RS9 contained 1.6 ug/L. Wells R1, R3, RS10 and LF1 were below laboratory lower detection limits (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 RS8, RS9, RS10, R1, R2, R3 and LF1. Well RS5 contained 1.9 ug/L MtBE, RS7 contained 1.9 ug/L MtBE and well T1 contained 25 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, RS8 and T1, ranging from a low of 5.4 ug/L at well RS7 to a high of 12000 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, RS8, and T1, ranging from a low of 51 ug/L at well RS8 to a high of 960 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, RS8 and T1, ranging from a low of 39 ug/L at well RS9 to a high of 2300 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. 93,326 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 March 12, 2008, 1,237,075 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 18, 2007 shows continued decrease in hydrocarbons to levels lower than the May 31, 2001 sample results at wells RS5, RS7, RS9, RS10, R1 and R2 see 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). Once McCoy has secured the necessary permits from the City of Oakland, construction of the treatment compound and connection of the intercept trench will commence. Bids to over-excavation the contaminated soils were too high, in access of $400,000, an alternative to over-excavations is presently being developed.

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 obtained by the present property owner, Mr. Kin Man Li. Western Geo-Engineers is currently waiting the availability of the contractor McCoy to proceed with the work.

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.
- Seek cost effective methods to reduce the onsite soil and groundwater contamination.

11.0 TIME FRAME

April 2008	Commence installation of new treatment compound and connection of intercept trench.
April 2008	Develop a cost effective workplan to reduce the onsite soil and groundwater contamination, obtain approval from Alameda County Health and cost approval from the Underground Storage Tank Fund.
June 2008	2nd Quarter 2008 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
Geologist

Jack P. Nappier
Ca. Reg. Geologist #3037

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

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

(All concentrations in parts per billion [ug/L, ppb])
(AMSL = Above mean sea level)

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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	****

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	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
	(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)										
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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		
RS-02	10/4/1995	227.39	15.05	212.34	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	****

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	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)		TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
		(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)										
(CALIFORNIA PUBLIC HEALTH GOAL)							**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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	sheen	100000	**5000**	**22000**	**1700**	**7300**	<0.5	*
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	****

TABLE 1
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DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

		(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)										
ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)		TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
(CALIFORNIA PUBLIC HEALTH GOAL)							**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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-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**	
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	****

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	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
		(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)									
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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	
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	

TABLE 1
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DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

(All concentrations in parts per billion [ug/L, ppb])
(AMSL = Above mean sea level)

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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-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	
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	****

TABLE 1
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DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
		(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)									
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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-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	****

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	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
		(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)									
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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							
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-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	****

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

(All concentrations in parts per billion [ug/L, ppb])
(AMSL = Above mean sea level)

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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	****
RS-10	9/21/2005	208.46	4.35	204.11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	12/7/2005	208.46	3.38	205.08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
RS-10	3/28/2006	208.46	1.75								

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	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
	(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)										
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
R1	8/13/2003	227.69	16.04	211.65	430	**17**	<0.5	1.4	1.1	<0.5	****
R1	11/20/2003	227.69	dry								
R1	1/22/2004	227.69	14.40	213.29							
R1	3/30/2004	227.69	14.05	213.64	<50	**2.8**	<0.5	<0.5	<0.5	<0.5	****
R1	6/10/2004	227.69	15.85	211.84	3200	**85**	2.6	38	8.3	<0.5	****
R1	9/28/2004	227.69	15.06	212.63	2000	**35**	2.2	12	4.4	<0.5	****
R1	12/8/2004	227.69	9.70	217.99	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	3/23/2005	227.69	8.58	219.11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	6/1/2005	227.69	13.30	214.39	330	**12**	<0.5	1.6	1.4	<0.5	****
R1	9/21/2005	227.69	14.92	212.77	3400	**20**	1.3	13	4.4	<0.5	****
R1	12/7/2005	227.69	15.50	212.19	1100	**4.2**	0.65	1.5	0.94	<0.5	****
R1	3/28/2006	227.69	8.82	218.87	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	6/21/2006	227.69	11.35	216.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	9/13/2006	227.69	13.55	214.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	12/21/2006	227.69	14.35	213.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	3/12/2007	227.69	11.76	215.93	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	6/20/2007	227.69	13.48	214.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	9/26/2007	227.69	15.08	212.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	12/18/2007	227.69	15.25	212.44	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
R1	3/12/2008	227.69	12.62	215.07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	****
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							

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

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
	(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)										
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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	****
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						
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						

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

(All concentrations in parts per billion [ug/L, ppb])
(AMSL = Above mean sea level)

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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	****
T 1	12/14/1989										
T 1	09/04/96										
T 1	12/11/96										
T 1	2/21/97										
T 1	5/28/97										
T 1	9/2/1997										
T 1	11/24/1997										
T 1	2/25/1998										
T 1	7/8/1998										
T 1	9/16/1998										
T 1	11/24/1998										
T 1	2/23/1999										
T 1	5/5/1999										
T 1	8/26/1999	195.11	2.44	192.67	40000	**7200**	**5000**	**950**	**8100**	**53**	*
T 1	11/10/1999	195.11	2.23	192.88	46000	**5600**	**3600**	**910**	**6500**	<0.5	
T 1	2/9/2000	195.11	2.22	192.89	35000	**2900**	**5700**	**720**	**6600**	<0.5	
T 1	6/30/2000	195.11	2.22	192.89	30000	**3400**	**3200**	**950**	**4600**	<5	
T 1	8/8/2000	195.11	2.73	192.38	8900	**1600**	**760**	260	870	<5	
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	10	****
T 1	8/13/2003	195.11	2.41	192.7	9600	**1500**	110	**440**	910	10	****
T 1	11/20/2003	195.11	2.50	192.61	10000	**1800**	120	**520**	510	11	****
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	**15**	****
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**	****

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

(All concentrations in parts per billion [ug/L, ppb])
(AMSL = Above mean sea level)

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)		TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
(CALIFORNIA PUBLIC HEALTH GOAL)							**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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**	**25**	****
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**	**19**	****
T 1	9/13/2006	195.11	2.43	192.68		12000	**5100**	88	230	320	**22**	****
T 1	12/21/2006	195.11	2.28	192.83		18000	**4600**	**620**	**850**	**2000**	**21**	****
T 1	3/12/2007	195.11	2.24	192.87		19000	**4700**	**750**	**870**	**2300**	**16**	****
T 1	6/20/2007	195.11	2.47	192.64		12000	**4300**	130	170	250	**18**	****
T 1	9/26/2007	195.11	2.52	192.59		10000	**4200**	63	45	68	**14**	****
T 1	12/18/2007	195.11	1.75	193.36		12000	**3000**	**450**	**360**	480	**15**	****
T 1	3/12/2008	195.11	2.23	192.88		22000	**6600**	**1200**	**960**	**2300**	**25**	****
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 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						

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

(All concentrations in parts per billion [ug/L, ppb])
(AMSL = Above mean sea level)

ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)	
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**	
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						
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						
T4	1/22/2004	197.48	4.70	192.78	see T1 for sample results						
T4	3/30/2004	197.48	4.66	192.82	see T1 for sample results						
T4	6/10/2004	197.48	4.76	192.72	see T1 for sample results						
T4	9/28/2004	197.48	4.86	192.62	see T1 for sample results						
T4	12/8/2004	197.48	4.21	193.27	see T1 for sample results						
T4	3/23/2005	197.48	4.35	193.13	see T1 for sample results						
T4	6/1/2005	197.48	car		see T1 for sample results						
T4	9/21/2005	197.48	car		see T1 for sample results						
T4	12/7/2005	197.48	car		see T1 for sample results						
T4	3/28/2006	197.48	car		see T1 for sample results						
T4	6/21/2006	197.48	car		see T1 for sample results						
T4	9/13/2006	197.48	car		see T1 for sample results						
T4	12/21/2006	197.48	car		see T1 for sample results						
T4	3/12/2007	197.48	car		see T1 for sample results						
T4	6/20/2007	197.48	car		see T1 for sample results						
T4	9/26/2007	197.48	car		see T1 for sample results						
T4	12/18/2007	197.48	car		see T1 for sample results						
T4	3/12/2008	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	****

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	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL-BENZENE (UG/L)	XYLENES (UG/L)	MTBE (UG/L)
		(All concentrations in parts per billion [ug/L, ppb]) (AMSL = Above mean sea level)								
(CALIFORNIA PUBLIC HEALTH GOAL)						**(1.5)**	**(150)**	**(300)**	**(1800)**	**(13)**

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
GROUNDWATER REMOVAL
FORMER DP #793
4035 PARK BLVD., OAKLAND, CALIFORNIA

DATE PURGED	METER READING IN GALLONS RS5	METER READING IN GALLONS TRENCH	DEPTH TO TOP OF WATER IN FEET T1	GALLONS PURGED T1 and/or 1/4ly samples	ACCUMULATED GALLONS REMOVED FROM TRENCH &WELLS in GALLONS	Accumulated gallons removed from RS5 Gallons	TOTAL GALLONS REMOVED	INFLUENT CONCENTRATIONS EPA METHOD 8020 - 8260**B** TPHg ug/L	BENZENE ug/L	TOLUENE ug/L	ETHYL-BENZENE ug/L	XYLENES ug/L	MTBE ug/L	Sample Location
					0									
3/23/2005	1903025.7	1903025.7		0	92857	716323.1	809179.9	7400	890	280	180	940	5.1	RS5
4/13/2005	1915573.7	1915573.7		0	92857	728871.1	821727.9							
5/12/2005	1941964.2	1941964.2		0	92857	755261.6	848118.4							
6/7/2005	1962946.5	1962946.5		0	92857	776243.9	869100.7	3500	380	85	59	360	3	RS5
7/19/2005	1997247.2	1997247.2		0	92857	810544.6	903401.4							
8/17/2005	2018578.5	2018578.5		0	92857	831875.9	924732.7							
9/21/2005	2027697.0	2027897.0		200	93057	840994.4	934051.2	790	34	4.7	0.89	99	<0.5	RS5
10/20/2005	2036442.0	2036442.0		0	93057	849539.4	942596.2							
11/30/2005	2059176.2	2059176.2		0	93057	872273.6	965330.4							
12/26/2005	2076346.0	2076346.0		0	93057	889443.4	982500.2	2200	65	30	24	200	1.3	RS5
1/26/2006	2101556.0	2101556.0		0	93057	914653.4	1007710.2							
2/28/2006	2128986.0	2128986.0		0	93057	942083.4	1035140.2							
3/22/2006	2145170.0	2145170.0		0	93057	958267.4	1051324.2	5000	370	130	70	550	2.4	RS5
4/26/2006	2165192.0	2165192.0		0	93057	978289.4	1071346.2							
5/25/2006	2174462.0	2174462.0		0	93057	987559.4	1080616.2							
6/21/2006	2182331.0	2182485.0		154	93211	995428.4	1088639.2	990	42	6.5	2.4	110	<0.5	RS5
7/28/2006	2193149.0	2193149.0		0	93211	1006092.4	1099303.2							
8/24/2006	2198715.0	2198715.0		0	93211	1011658.4	1104869.2							
9/7/2006	2198734.0	2198734.0		0	93211	1011677.4	1104888.2	installed new pump & motor.						
10/6/2006	2205746.5	2205746.5		0	93211	1018689.9	1111900.7							
10/19/2006	2205756.5	2205756.5		0	93211	1018699.9	1111910.7	install new water totalizing meter						
11/17/2006	2216741.5	2216741.5		0	93211	1029684.9	1122895.7	remove #1 water carbn unit, place #2 into #1 postion and new carbon into #2 position						
12/28/2006	2240156.7	2240156.7		0	93211	1053100.1	1146310.9	4800	140	120	130	440	0.78	RS5
1/25/2007	2252096.5	2252096.5		0	93211	1065039.9	1158250.7							
2/22/2007	2267063.5	2267063.5		0	93211	1080006.9	1173217.7							
3/29/2007	2286519.5	2286519.5		0	93211	1099462.9	1192673.7	4300	160	130	110	600	1.5	RS5
4/25/2007	2304475.5	2304475.5		0	93211	1117418.9	1210629.7							
5/23/2007	2322818.5	2322818.5		0	93211	1135761.9	1228972.7							
6/20/2007	2340026.5	2340077.5		51	93262	1152969.9	1246231.7	160	7.5	3	2.2	13	0.58	RS5
7/20/2007	2356261.5	2356261.5		0	93262	1169153.9	1262415.7							

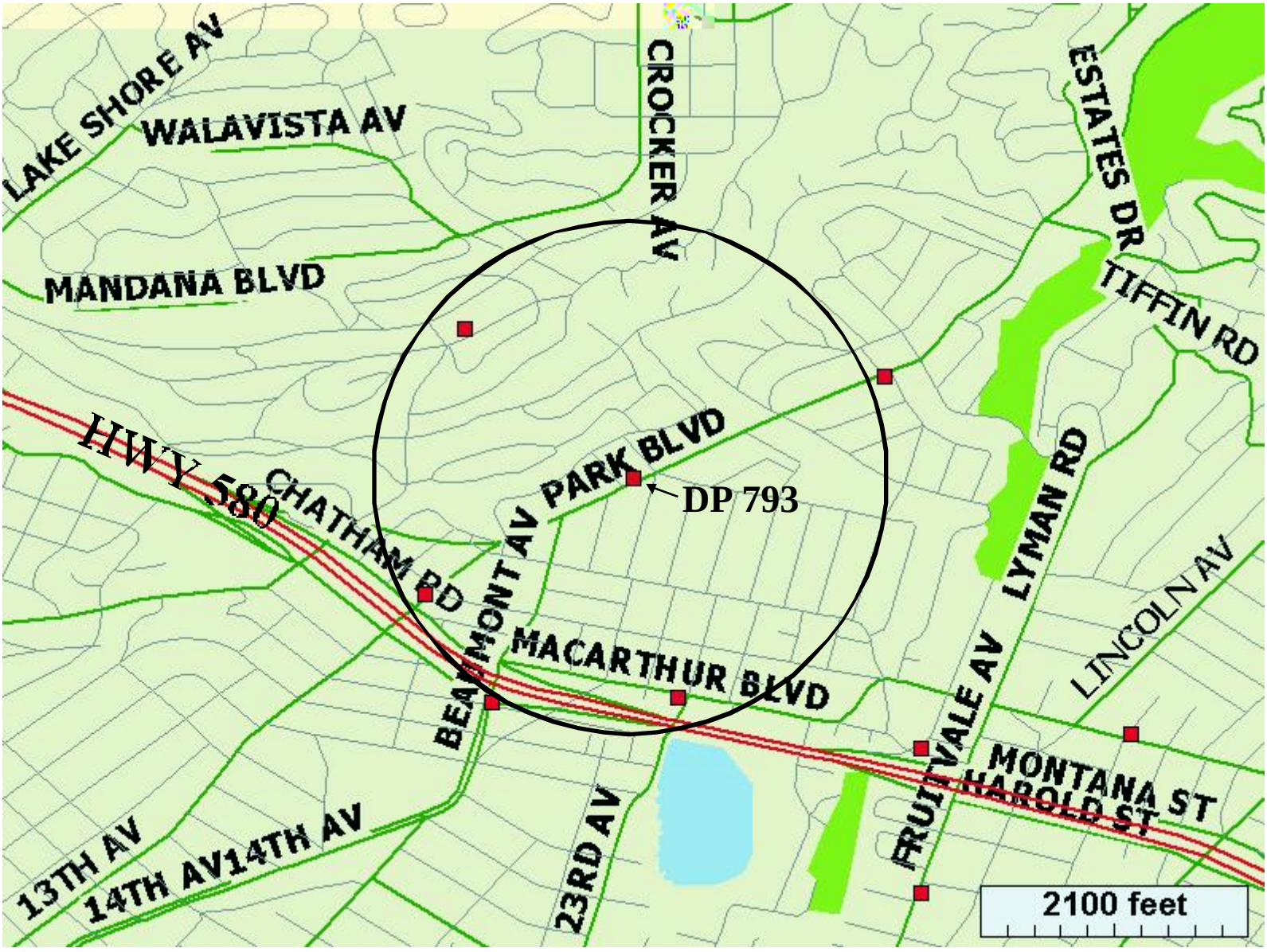
TABLE 2
GROUNDWATER REMOVAL
FORMER DP #793
4035 PARK BLVD., OAKLAND, CALIFORNIA

DATE PURGED	METER READING IN GALLONS RS5	METER READING IN GALLONS TRENCH	DEPTH TO TOP OF WATER IN FEET T1	GALLONS PURGED T1 and/or 1/4ly samples	ACCUMULATED GALLONS REMOVED FROM TRENCH &WELLS in GALLONS	Accumulated gallons removed from RS5 Gallons	TOTAL GALLONS REMOVED	INFLUENT CONCENTRATIONS EPA METHOD 8020 - 8260**B** TPHg ug/L	BENZENE ug/L	TOLUENE ug/L	ETHYL-BENZENE ug/L	XYLENES ug/L	MTBE ug/L	Sample Location
					0									
8/14/2007	2369516.5	2369516.5		0	93262	1182408.9	1275670.7							
9/26/2007	2390012.5	2390076.5		64	93326	1202904.9	1296230.7	2300	80	57	19	350	0.59	RS5
10/25/2007	2392646.5	2392646.5		0	93326	1205474.9	1298800.7							
11/20/2007	2400426.5	2400426.5		0	93326	1213254.9	1306580.7							
12/18/2007	2412728.5	2412746.5		18	93344	1225556.9	1318900.7	570	15	6.8	7.8	42	<0.5	RS5
1/18/2008	2418050.5	2418050.5		0	93344	1230860.9	1324204.7							
2/22/2008	2424235.5	2424235.5		0	93344	1237045.9	1330389.7							
3/12/2008	2424264.5	2424264.5		0	93344	1237074.9	1330418.7	4600	330	110	98	440	1.9	RS5

ug/L micrograms per liter (parts per billion)
mg/L milligrams per liter (parts per million)
WESTERN GEO-ENGINEERS

< BELOW LABORATORY LOWER DETECTION LIMITS
mg/Kg milligrams per kilogram (parts per million)
TPHg TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE
MTBE METHYL TERTIARY BUTYL ETHER

* SAMPLED ON AUGUST 26, 1999
T1 Receptor Trench Well
RS5 Monitor Well RS5 (pumping well)



N
W E
S

LUST SITES

WELLS

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

FIGURE 2

PORTION OF OAKLAND EAST 7.5 MINUTE USGS TOPOGRAPHIC MAP

NORTH

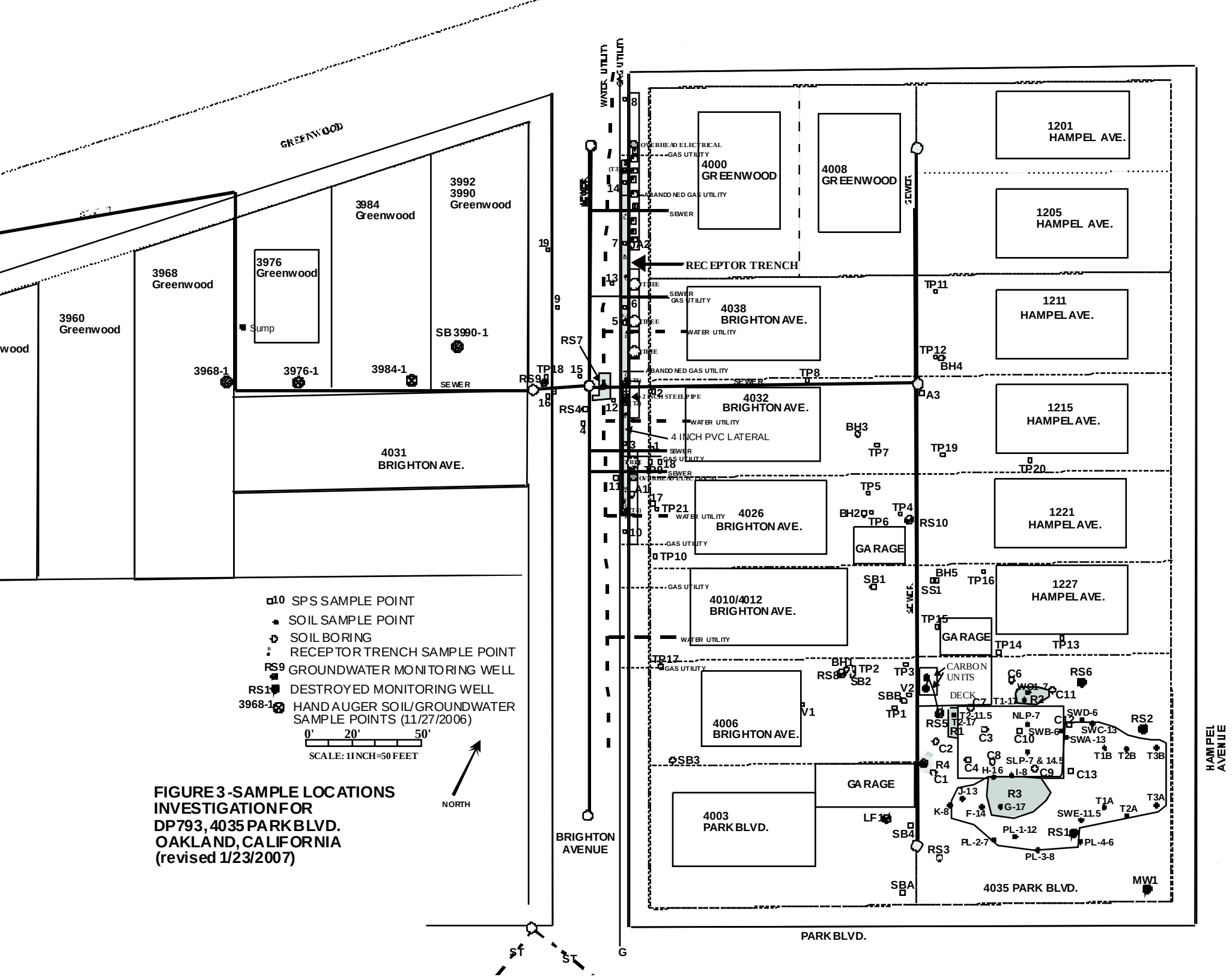


FIGURE 3 -SAMPLE LOCATIONS INVESTIGATION FOR DP793, 4035 PARK BLVD. OAKLAND, CALIFORNIA (revised 1/23/2007)

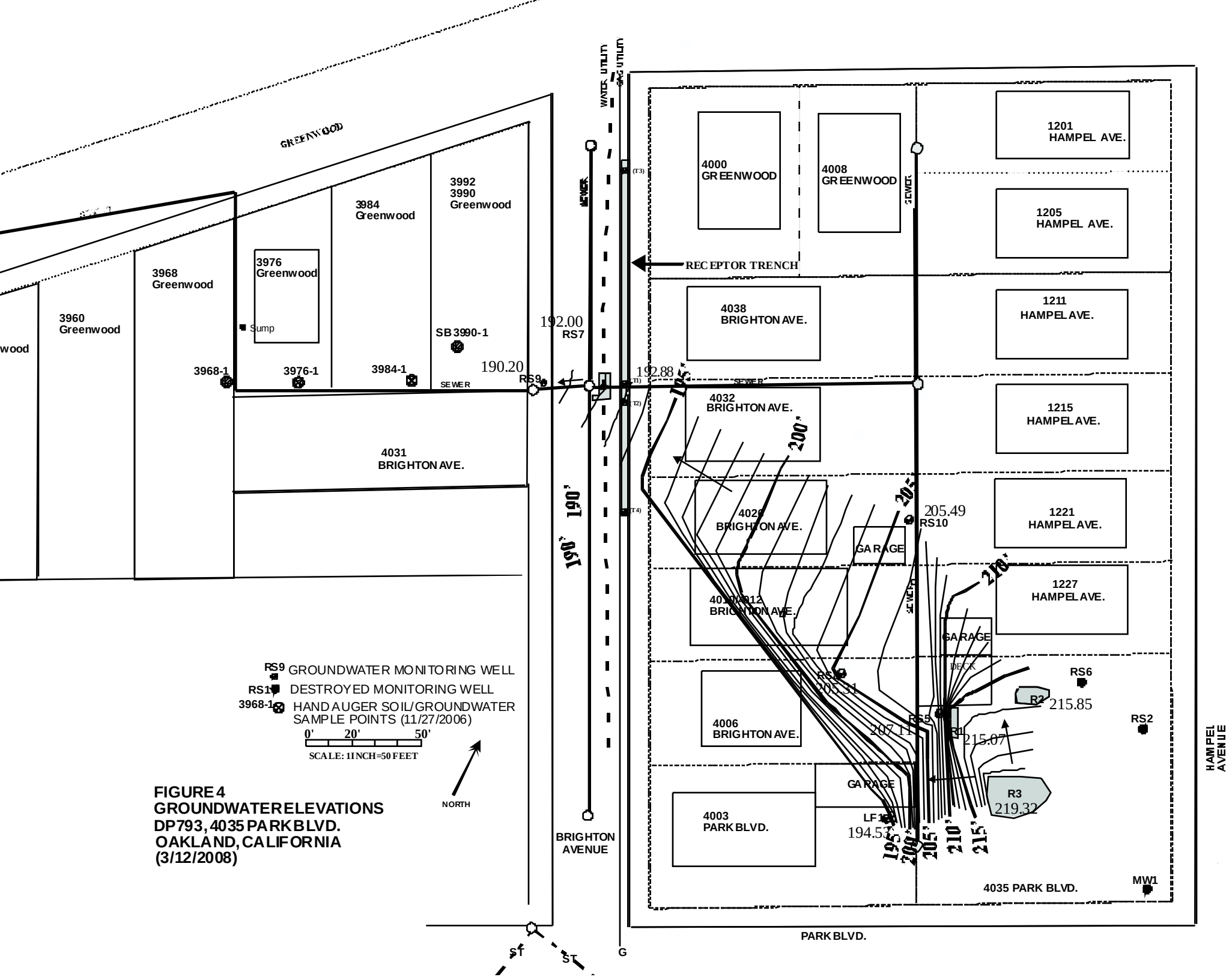


FIGURE 4
GROUNDWATER ELEVATIONS
DP793, 4035 PARK BLVD.
OAKLAND, CALIFORNIA
(3/12/2008)

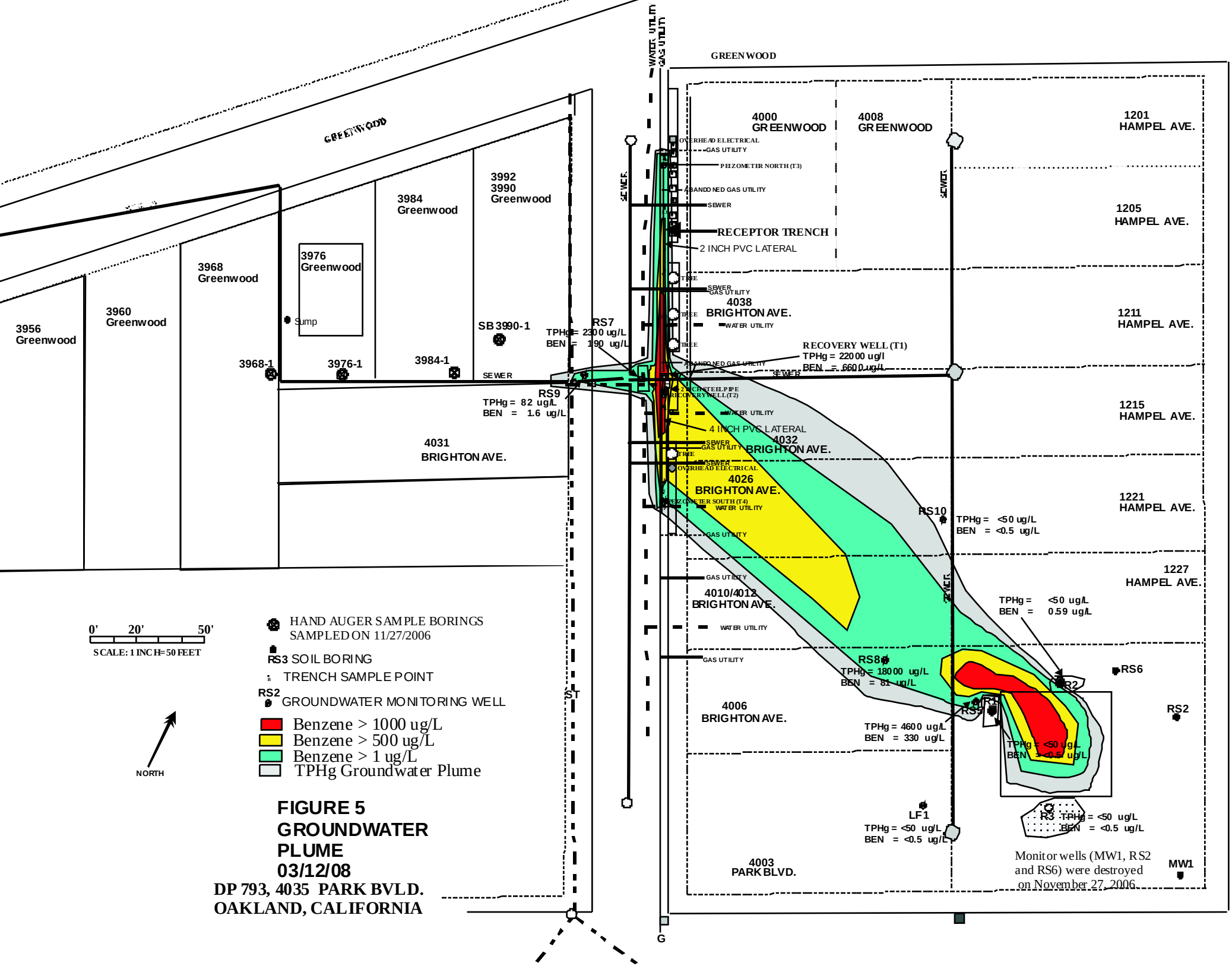


FIGURE 5
GROUNDWATER PLUME
03/12/08
DP 793, 4035 PARK BVLD.
OAKLAND, CALIFORNIA

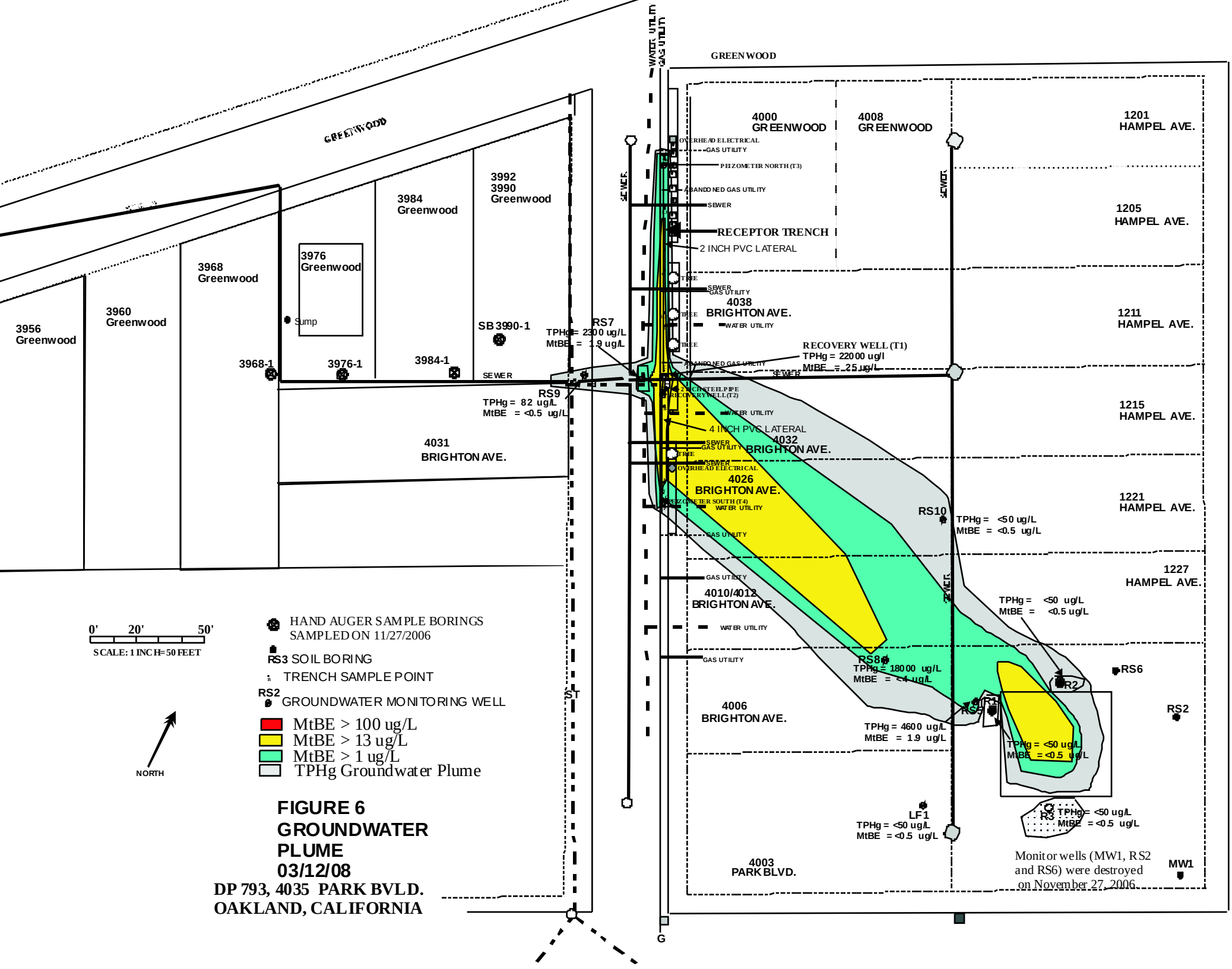


FIGURE 6
GROUNDWATER PLUME
03/12/08
DP 793, 4035 PARK BVLD.
OAKLAND, CALIFORNIA

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 4ºC 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.

March 5, 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 **March 12, 2008**. Please allow access to these wells. Also sampling of the well within the parking lot for the apartments located at 4005 Park Blvd. will occur at this time.

The wells will be sampled in the morning between **9AM and Noon** on **March 12, 2008**. If you need to contact me prior to the sampling event please call my office at (530) 668-5300.

Regards,

George Converse
Project Geologist
(530) 668-5300
Western Geo-Engineers

WESTERN
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wegeng@pacbell.net

GROUNDWATER ELEVATION DATA
AND PRODUCT THICKNESS MEASUREMENTS

SITE: ID# 793, 4035 Park Blvd., Oakland, CA
DATE: March 12, 2008 START TIME:
MEASURED BY: George Converse D.T.W. METER USED: Solinst Model 122

W ID	Casing Elevation (feet)	DEPTH OF WELL (feet below top of casing) (feet)	DEPTH TO WATER (feet)	DEPTH TO TOP OF FLOOD (feet)	Free Phase Floating (feet)	WATER COLUMN (in feet)	Water Elevation
RS05	227.61	29.20	20.5	20.5	0		207.11
RS07	195.99	7.55	3.99	3.99	0		192.00
RS08	214.67	14.50	9.36	9.36	0		205.31
RS09	195.53	15.50	5.43	5.43	0		190.20
RS10	208.46	9.80	2.97	2.97	0		205.49
RO1	227.69	16.8	12.62	12.62	0		215.07
RO2	227.28	16.92	11.45	11.45	0		215.83
RO3	227.25	11.74	7.93	7.93	0		219.32
DP1	226.59	38.75	32.06	32.05	0		194.53
T01	195.11	10	2.23	2.23	0		192.88
T02	195.30	10	(	(	(		
T03	202.38	10	)	)	)		
T04	197.48	10					

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

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WELL SAMPLE DATA SHEET

SITE DP 722, 4035 PARK BLVD., OAKLAND, CA.
DATE March 12, 2018 START TIME
WELL ID# RS05 SAMPLE BY CONVERSE
CASING ELEVATION, IN FEET 227.61 WATER COLUMN, IN FEET
CASING TOTAL DEPTH, IN FEET 39.20 G/L PURGE ONE CASING VOLUME
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 FILLD 20.5 FT³ WATER 7.48 GALLONS (0.028.3 LITERS(L)
DEPTH TO TOP OF WATER 20.5 FREE PHASE PRODUCT THICKNESS
TOP OF WATER ELEVATION PUMP RATE
PUMP TYPE GRUNDFUS 4 INCH pH, Cond, Temp meter used HANNA HI 98130
DTW METER USED SOLINST MODEL 122

TYPE	IN PARE DEPTH	RATE GPM/ LPM	CUM. VOL GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
	Ball Pump + clam,				clear	cafe	1662 cm		
	12 inch ball pump -				pumping	@ 15:40			Sample ID RS05
				18.2	7.22	501	251		
	melon		0218518.0						

FINAL VOLUME PURGED
TIME SAMPLED 1620
SAMPLE ID# RS05
NOTES Pumping well (continuous)

ANALYSIS INCLUDES: 8260B TPHg, BTEX, MtBE
SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOA'S
LABORATORY USED KIFF Analytical

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FAX (530) 662-0253
wgeweb.com

WELL SAMPLE DATA SHEET

SITE ID# 793, 4035 PARK BLVD., OAKLAND, CA.
DATE March 12, 2008 START TIME 1305
WELL ID# RS07 SAMPLER BY CONVERSE
CASING ELEVATION, IN FEET 105.99 WATER COLUMN, IN FEET 3.45
CASING TOTAL DEPTH, IN FEET 20 GAL PURGED ONE CASING VOLUME 1.375
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 3.49 FT³ WATER 7.48 GALLONS (G)/28.3 LITERS(L)
DEPTH TO TOP OF WATER 3.94 FREE PHASE PRODUCT THICKNESS
TOP OF WATER ELEVATION PUMP RATE
PUMP TYPE hand bail pH, Cond., Temp. meter used HANNA HI 99130
DTW METER USED SOLINST MODEL 122

TIME	INTAKE DEPTH	RATE GPM/LPM	TOTAL VOL GAL.	TEMP (C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
1305			1.0	15.6	7.20	652	326		Clear, No odor
1309			2.0	14.6	7.23	595	298		
1312			4.0	14.6	7.37	542	271		
1317			6.0	15.0	7.35	519	260		
							DTW = 4.08		

FINAL VOLUME PURGED 6.25
TIME SAMPLED 1326
SAMPLE ID# RS07
NOTES

ANALYSIS INCLUDES: 8260B TPH g, BTEX, MTBE
SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOAS
LABORATORY USED Kiff Analytical

WESTERN
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wgeo@wgeo.net

WELL SAMPLE DATA SHEET

SITE: DF 793, 4035 PARK BLVD., OAKLAND, CA.
DATE: March 12, 2008 START TIME: 1145
WELL ID#: BS08 SAMPLED BY: CONVERSE
CASING ELEVATION, IN FEET: 214.67 WATER COLUMN, IN FEET: 5.1
CASING TOTAL DEPTH, IN FEET: 14.5 GAL. PURGE ONE CASING VOLUME: 0.8 gal
CASING DIAMETER IN INCHES: 2" (CASING MULTIPLIERS: 2 INCH = 0.165 gl/FT
DEPTH TO TOP OF FLUID: 9.36 2" = 0.625 L/FT 4 INCH = 0.65 gl/FT
4" = 2.16 L/FT 6 INCH = 1.47 gl/FT)
DEPTH TO TOP OF WATER: 9.36 FIVE WATER: 2.48 GALLONS (9)/9.3 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 9813O

5.1 .165 .85 25 5 30 6 TL .84 1 5

TIME	INCREMENTAL DEPTH	RATE (GPM) SPM	CUM VOL (GAL) LITERS	TEMP (°C)	pH (s.u.)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
1147			1.0/4	14.5	7.54	415	207		Clear to cloudy
1150			1.0	14.3	6.78	414	208		cloudy gray
1153			2.0	14.4	6.72	423	211		
1157			3.0	14.5	6.77	426	218		

DTW = 12.60

FINAL VOLUME PURGED: 3.25
TIME SAMPLED: 1158
SAMPLE ID#: BS08
NOTES:

ANALYSIS INCLUDES: 8260B TPHg, BTEX, MtBE
SAMPLE CONTAINERS: 3-HCl PRESERVED 40CC VOAS
LABORATORY USED: Kiff Analytical

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wgeo@cal.rr.com

WELL SAMPLE DATA SHEET

SITE: DP 793, 4035 PARK BLVD., OAKLAND, CA.
DATE: March 13, 2008
WELL ID#: BS09
CASING ELEVATION, IN FEET: 195.63
CASING TOTAL DEPTH, IN FEET: 15.50
CASING DIAMETER IN INCHES: 2"
DEPTH TO TOP OF FLUID: 5.43
DEPTH TO TOP OF WATER: 5.43
TOP OF WATER ELEVATION:
PUMP TYPE: DISPOSABLE BAILER
DTW METER USED: SOLINST MODEL 122

START TIME: 1235
SAMPLE BY: CONVERSE
WATER COLUMN, IN FEET: 10.1
GAL PURGE ONE CASING VOLUME: 1.65 gal
CASING MULTIPLIERS: 2 INCH = 0.155 g/FT
2" = 0.625 L/FT 4 INCH = 0.65 g/FT
4" = 2.46 L/FT 6 INCH = 1.47 g/FT)
FT³ 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) L/MIN	CUM VOL (GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odors, etc.)
1238			1 Bailer	14.7	6.90	251	125		Clear no odor
1242			1.0	14.8	6.72	257	128		Slt cloudy Brown
1241			2.5	14.6	6.84	282	141		no odor
1247			3.0	15.0	6.78	280	140		"
1211			4.0	14.9	6.83	289	144		"
							DTW =		8.75

FINAL VOLUME PURGED: 4.25
TIME SAMPLED: 1253
SAMPLE ID#: BS09
NOTES:

ANALYSIS INCLUDES: 5260B TPHg, BTEX, MtBE
SAMPLE CONTAINERS: 3-HCl PRESERVED 40CC VOA'S'
LABORATORY USED: KIFF Analytical

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WELL SAMPLE DATA SHEET

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.
DATE March 12, 2008 START TIME 1210
WELL ID# RS10 SAMPLED BY CONVERSE
CASING ELEVATION, IN FEET 208.46 WATER COLUMN, IN FEET 6.10
CASING TOTAL DEPTH, IN FEET 8.8 GAL PURGE ONE CASING VOLUME 4.0 x 3 = 12.0
CASING DIAMETER IN INCHES 2" (CASING MULTIPLIERS: 2 INCH = 0.165 gl/FT
2" = 0.625 L/FT 4 INCH = 0.65 gl/FT
4" = 2.461 L/FT 6 INCH = 1.47 gl/FT)
DEPTH TO TOP OF FLUID 2.77 FT³ WATER 7.48 GALLONS (G)/28.3 LITERS(L)
DEPTH TO TOP OF WATER 2.87 FREE PHASE PRODUCT THICKNESS
TOP OF WATER ELEVATION PUMP RATE
PUMP TYPE DISPOSABLE BAILER pH, Cond., Temp meter used HANNA HI 99130
DTW METER USED SOLINST MODEL 122

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 (odor, color, etc.)
1210			10.26	13.6	6.72	236	118		Clear, no odor
1215			1.0	13.5	7.04	235	117		"
1217			2.0	13.5	7.04	238	119		
1221			2.0						
								DTW = 5.30	

TOTAL VOLUME PURGED 2.0

TIME SAMPLED 1224

SAMPLE ID# RS10

NOTES

ANALYSIS INCLUDES: 8260B TPHg, BTEX, MtBE

SAMPLE CONTAINERS 3 HCl PRESERVED 40CC VOA'S

LABORATORY USED Kiff Analytical

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wege2@att.net

WELL SAMPLE DATA SHEET

SITE: BP 793, 4035 PARK BLVD., OAKLAND, CA.
DATE: March 12, 2008 START TIME:
WELL ID# MW SAMPLE BY: CONVERSE

1.97 CASING ELEVATION, IN FEET: 227.69 WATER COLUMN, IN FEET: 4.2
4.2 CASING TOTAL DEPTH, IN FEET: 16.80 G/L PURGE ONE CASING VOLUME: 6.75 GALS
CASING DIAMETER IN INCHES: 6" (CASING MULTIPLIERS: 2 INCH = 0.165 gl/ FT
4" = 2.46 L/FT 4 INCH = 0.65 gl/ FT
6" = 5.58 L/FT 6 INCH = 1.47 gl/FT)
2.97 DEPTH TO TOP OF FLUID: 12.62 FT³ WATER: 7.48 GALLONS (G)/28.3 LITERS(L)
2.98 DEPTH TO TOP OF WATER: 12.62 FREE PHASE PRODUCT THICKNESS:
6.175 TOP OF WATER ELEVATION: PUMP RATE:
PUMP TYPE: Hand Bail pH, Cond, Temp meter used: HANNA HI 99130
DTW METER USED: SOLINST MODEL 122

TIME	INTAKE DEPTH	RATE GPM/ L/Min	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.)
1650			1.0/6.0	16.3	7.22	373	184		clear no odor
1655			2.0	16.3	7.03	357	178		5
1658			4.0	15.8	6.88	359	179		
1702			5.0	16.4	7.06	353	176		
1710			6.5	16.4	7.07	355	177		
								DTW =	12.80

FINAL VOLUME PURGED: 6.75 ANALYSIS INCLUDES: 8260B TPHg, BTEX, MTBE
TIME SAMPLED: 1712 SAMPLE CONTAINERS: 3-HCl PRESERVED 40CC VOA'S
SAMPLE ID#: R1 LABORATORY USED: KIFF Analytical
NOTES:

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www.awgeinc.com

WELL SAMPLE DATA SHEET

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.
DATE March 12, 2008 START TIME
WELL ID# B2 SAMPLE BY CONVERSE
CASING ELEVATION, IN FEET 227.28 WATER COLUMN, IN FEET 5.4
CASING TOTAL DEPTH, IN FEET 16.92 GAL. PURGE ONE CASING VOLUME 2.7 x 3
(CASING MULTIPLIERS: 2 INCH = 0.163 gl/FT
4" = 0.46 L/FT 4 INCH = 0.65 gl/FT
6" = 5.56 L/FT 6 INCH = 1.47 gl/FT)
CASING DIAMETER IN INCHES 4" FT³ WATER 7.48 GALLONS (G)/28.3 LITERS(L)
DEPTH TO TOP OF FLUID 11.45 FREE PHASE PRODUCT THICKNESS
DEPTH TO TOP OF WATER 11.45 PUMP RATE
TOP OF WATER ELEVATION pH, Cond, Temp meter used HANNA HI 99130
PUMP TYPE Hand Bail
DTW METER USED SOLINST MODEL 122

TIME	DEPTH TO WATER	RATE GPM/ LPM	CUM. VOL GAL / LITERS	TEMP (°F)	pH (units)	Specific Electrical Conductance (µS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
1625			1 Bail	16.3	6.94	1131	566		Clear, Ave. Odor
1630			2.0	16.8	6.97	1145	570		
1634			4.0	16.7	6.99	1142	571		
1640			5.0	16.9	6.99	1145	572		
								DTW:	11.54

FINAL VOLUME PURGED 5.25
TIME SAMPLED 1644
SAMPLE ID# B2
NOTES

ANALYSIS INCLUDES 8260B TPHg, BTEX, MTBE
SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOAS
LABORATORY USED KIFF Analytical

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WELL SAMPLE DATA SHEET

SITE BP 793, 4615 PARK BLVD., OAKLAND, Ca.
DATE March 11, 2008 START TIME
WELL ID# MW SAMPLE BY CONVERSE
CASING ELEVATION, IN FEET 227.35 WATER COLUMN, IN FEET 3.48
CASING TOTAL DEPTH, IN FEET 11.74 GAL. PURGE ONE CASING VOLUME 3.6 gals
CASING DIAMETER IN INCHES 6" (CASING MULTIPLIERS: 2 INCH = 0.165 gal/FT
DEPTH TO TOP OF FLUID 7.77 4" = 2.46 L/FT 4 INCH = 0.65 gal/FT
6" = 5.56 L/FT 6 INCH = 1.47 gal/FT)
DEPTH TO TOP OF WATER 7.97 FT³ WATER 7.48 GALLONS (GAL)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	CUM VOL GAL. LITERS	TEMP (°C)	pH (units)	Specific Electrical Conductance (uS/cm)	Turb. Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
1552			1.0 Lit	16.8	7.20	704	352		Clear, no odor
1553			2.0	16.3	2.59	711	354		"
1558			4.0	16.5	7.60	722	361		"
1600			5.0	16.6	7.58	722	360		
							DTW =		7.65

FINAL VOLUME PURGED 5.25 ANALYSIS INCLUDES: 8260B TPHg, BTEX, MtBE
TIME SAMPLED 1605 SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOA'S
SAMPLE ID# R3 LABORATORY USED KIFF Analytical
NOTES
New Bailer

WESTERN
GEO-ENGINEERS
CALIF. CONTRACTOR #513357
REGISTERED GEOLOGISTS

1256 EAST BEAMER STREET
WOODLAND, CA 95776-6003
(530) 668-5300
FAX (530) 662-9263
wgeworld.com

WELL SAMPLE DATA SHEET

SITE DP 793, 4035 PARK BLVD., OAKLAND, CA.
DATE March 12, 2008 START TIME
WELL ID# RECEPTOR TRENCH T1, T2, T3, T4 SAMPLE BY CONVERSE
CASING ELEVATION, IN FEET T2=195.30 WATER COLUMN, IN FEET 7.77
CASING TOTAL DEPTH, IN FEET 10 GAL PURGE ONE CASING VOLUME 2.2 gals
CASING DIAMETER IN INCHES 4" (CASING MULTIPLIERS: 2 INCH = 0.165 gl/FT
DEPTH TO TOP OF FLUID 2.23 3" = 0.625 L/FT 4 INCH = 0.65 gl/FT
4" = 2.46 L/FT 6 INCH = 1.47 gl/FT)
DEPTH TO TOP OF WATER 2.23 FT WATER 7.48 GALLONS (GIGS.) 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 991300

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.)
1330			1 Gal	16.0	7.28	751	376		Clear, Tr. odor
1335			2.0	16.2	7.17	743	371		Clear
1338			4.0	16.2	7.10	743	371		
1343			6.0	16.0	7.09	739	369		

DTW = 2.24

FINAL VOLUME PURGED 6.25
TIME SAMPLED 1346
SAMPLE ID# T1
NOTES

ANALYSIS INCLUDES: 8260B TPH$_g$, BTEX, MIBK
SAMPLE CONTAINERS 3-HCl PRESERVED 40CC VOA'S
LABORATORY USED Kiff Analytical

-WEGE-
WESTERN
GEO-ENGINEERS
CALIF. CONTRACTOR #513657
REGISTERED GEOLOGISTS

1568 EAST BEAMER STREET
WOODLAND CA 95776-6002
(530) 668-5300
FAX (530) 662-0272
wege@pacbell.net

WELL SAMPLE DATA SHEET

SITE: BP 793, 4035 PARK BLVD., OAKLAND, CA.
DATE: March 12, 2008 START TIME: 11:[illegible]
WELL ID#: LP-01 SAMPLE BY: CONVERSE
CASING ELEVATION, IN FEET: 226.59 WATER COLUMN, IN FEET: 6.64
CASING TOTAL DEPTH, IN FEET: 38.70 GAL. PURGE ONE CASING VOLUME: 1.08 25
CASING DIAMETER IN INCHES: 2" CASING MULTIPLIERS: 2 INCH = 0.165 gl/FT
DEPTH TO TOP OF FLUID: 32.08 3" = 0.305 L/FT 4 INCH = 0.65 gl/FT
4" = 2.46 L/FT 6 INCH = 1.47 gl/FT)
DEPTH TO TOP OF WATER: 32.06 TT WATER 7.48 GALLONS (L)/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 98130

TIME	INTAKE DEPTH	RATE GPM/ BAIL	CUM. VOL. (GAL., LITERS	TEMP (°F)	pH (units)	Specific Electrical Conductance (uS/cm)	Total Dissolved Solids (ppm)	Dissolved Oxygen (mg/L)	Remarks (color, odor, etc.)
11:10		1 Pint	18.7	7.13	414	206		Clear
11:14		1.5	18.3	7.09	404	200		cloudy s.lt brown
11:24		3.0	18.4	6.86	402	201		lot color
11:27		3.5	18.5	6.86	402	201		
						DTW- 32.45		

FINAL VOLUME PURGED: 3.75 gal ANALYSIS INCLUDES: 8260B TPHg, BTEX, MtBE
TIME SAMPLED: 11:27 SAMPLE CONTAINERS: 3-HCl PRESERVED 40CC VOA'S
SAMPLE ID#: LP-01 LABORATORY USED: Kiff Analytical
NOTES:

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95618
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. ____________

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): [illegible]

Company / Address: 1386 E Beamer St WEGE / Woodland CA 95776

Phone #: 530 668 5300   Fax #:

Project #: [illegible]   P.O. #:

Project Name: D0793

Project Address: Oakland

California EDF Report? ☒ Yes ☐ No

Sampling Company Log Code:

Global ID:

EDF Deliverable To (Email Address):

Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO3	None	Matrix: Water	Soil	Air
RS05	3/14/08	[illegible]	3					X			X		
RS07		1750											
RS08		1108											
RS09		1253											
RS10		1224											
R1		1212											
R2		1640											
R3		1605											
[illegible]		1356											
LE01		1127											

Analysis Request:

Sample Designation	MTBE (EPA 8260B) [illegible]	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	For Lab Use Only
RS05		X	X	X											[illegible]	
RS07																
RS08																
RS09																
RS10																
R1																
R2																
R3																
[illegible]																
LE01																

Relinquished by:	Date	Time	Received by:
[illegible]	3/15/08	918	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	031508	0918	Kiff Analytical

Remarks:

Bill to: Western Geo-Eng

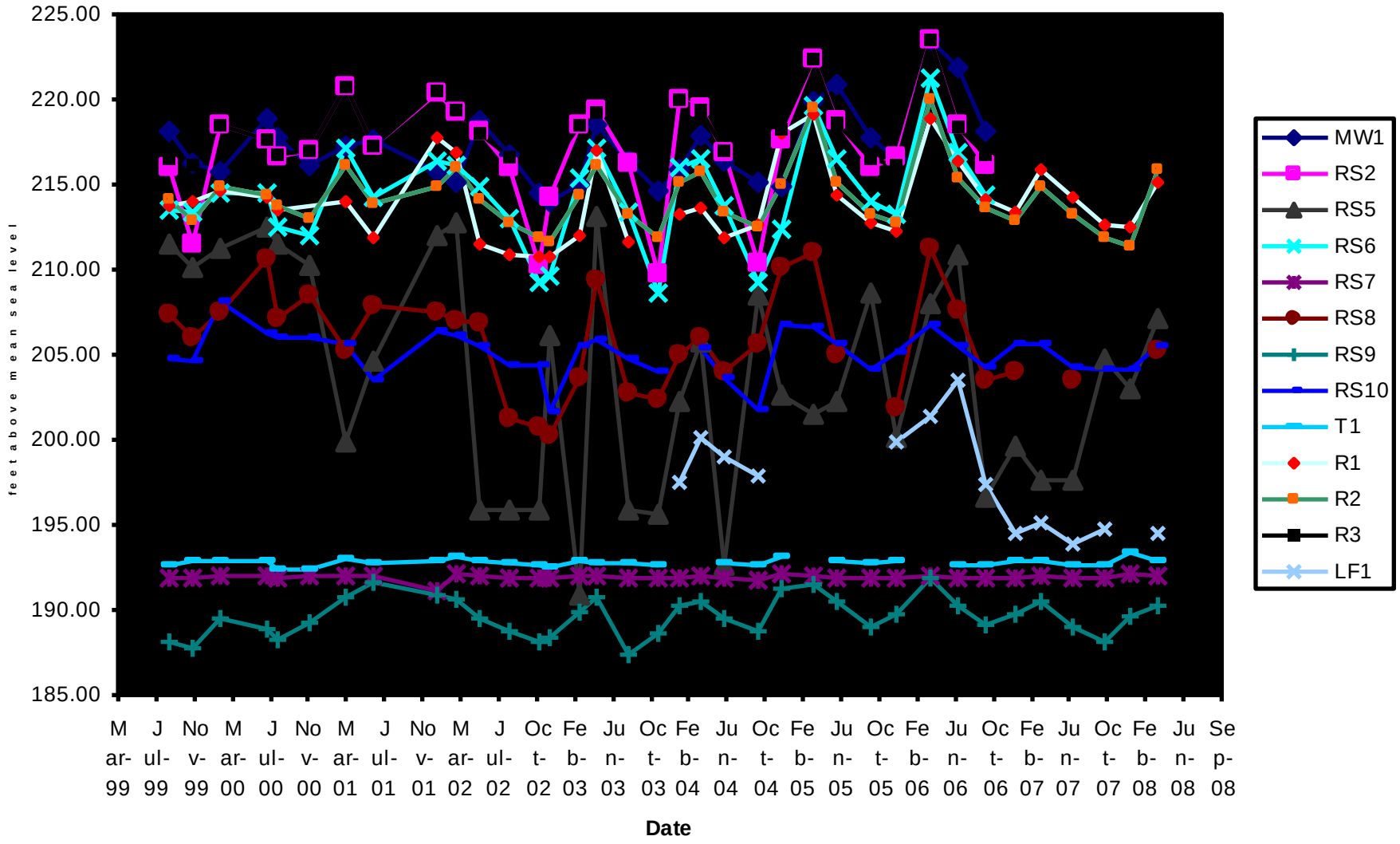
For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

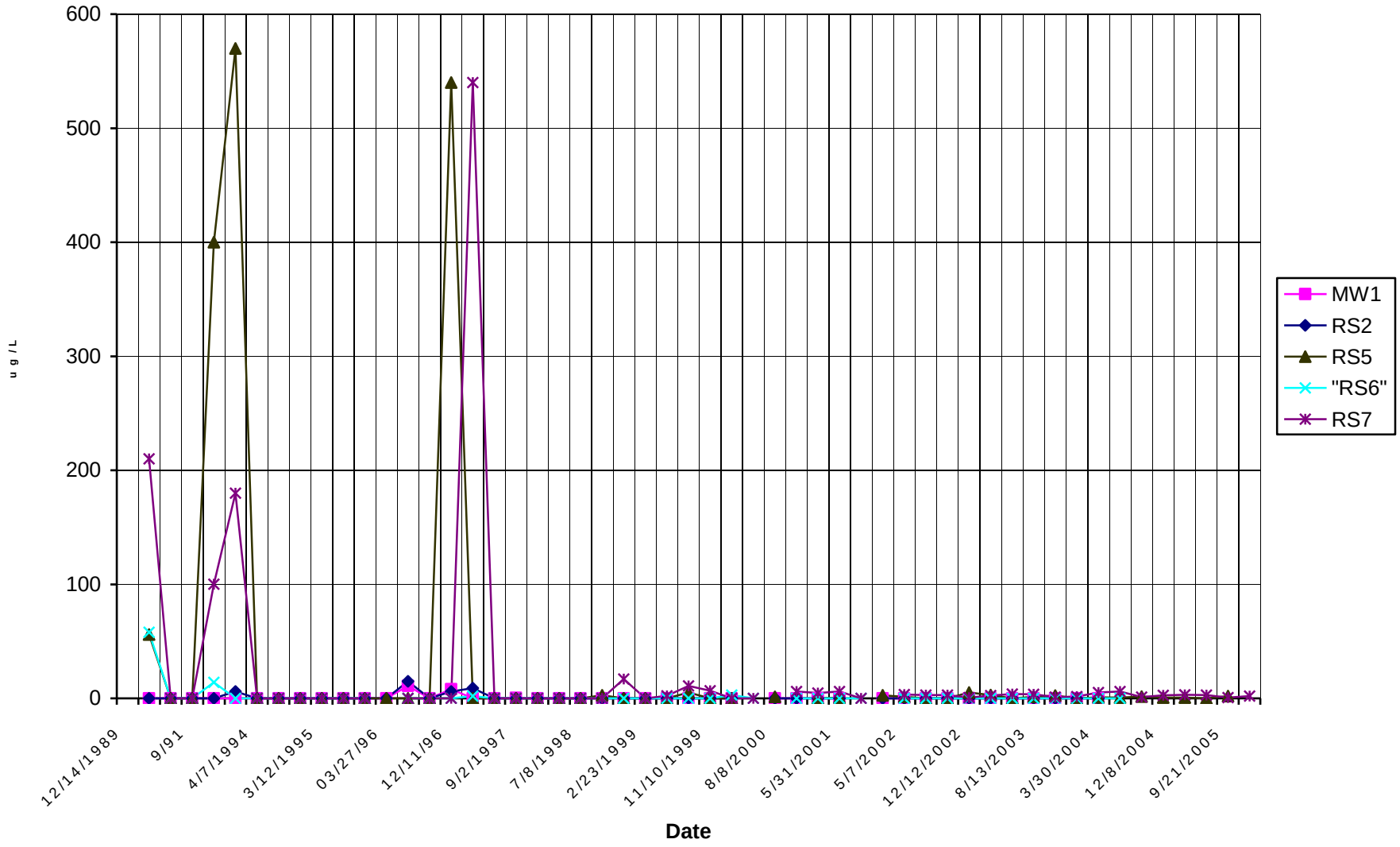
Distribution: White - Lab, Pink - Originator
Rev: [illegible]

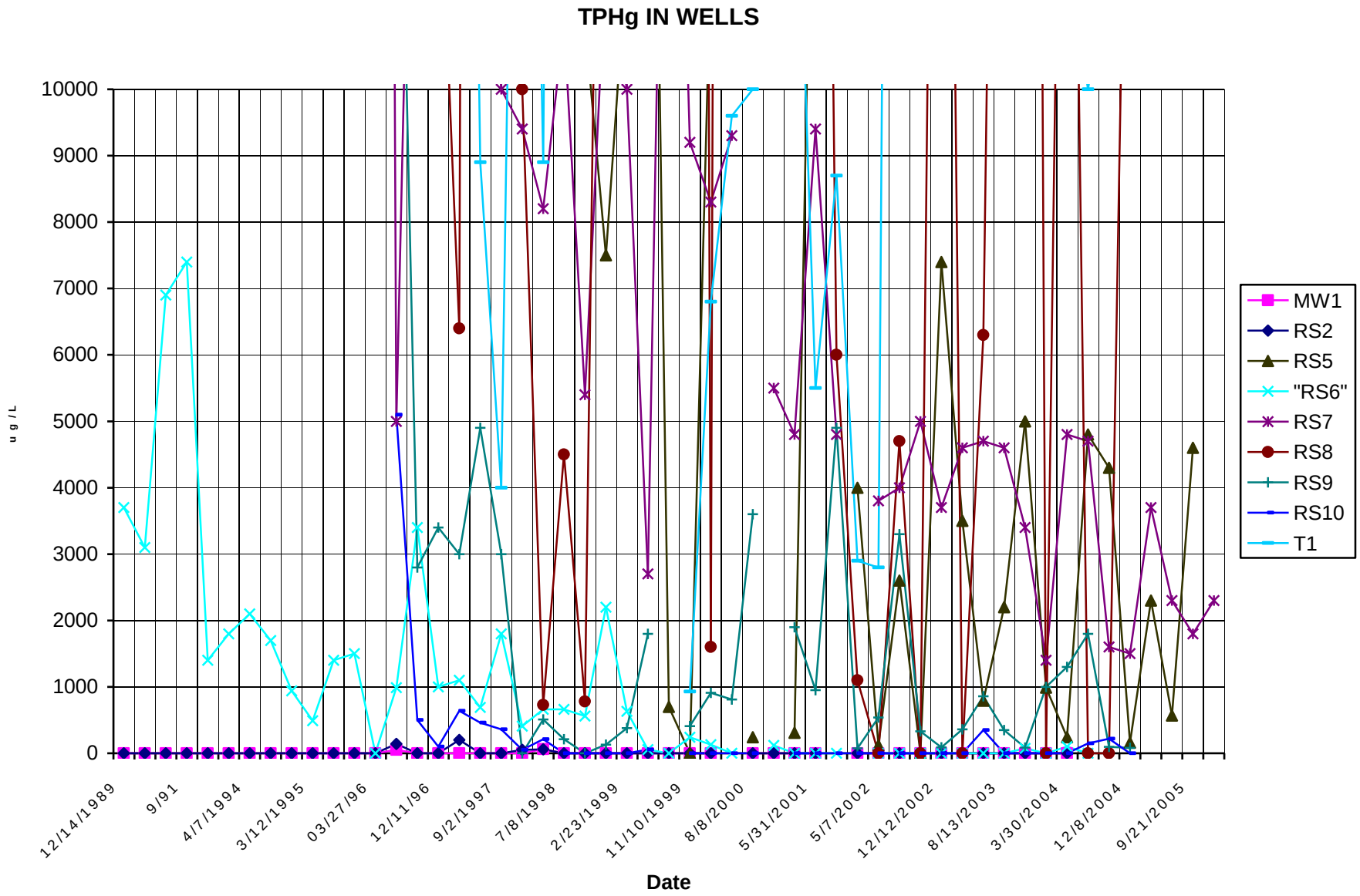
APPENDIX B.

GROUNDWATER ELEVATION CHART
TPHg & MtBE IN WELLS CHARTS


Groundwater Elevation
225.00
220.00
215.00
210.00
205.00
200.00
195.00
190.00
185.00
feet above mean sea level
Mar-99
Jul-99
Nov-99
Mar-00
Jul-00
Nov-00
Mar-01
Jul-01
Nov-01
Mar-02
Jul-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Jun-05
Oct-05
Feb-06
Jun-06
Oct-06
Feb-07
Jun-07
Oct-07
Feb-08
Jun-08
Sep-08
Date
MW1
RS2
RS5
RS6
RS7
RS8
RS9
RS10
T1
R1
R2
R3
LF1

MTBE IN WELLS




TPHg IN WELLS
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
u g / L
12/14/1989
9/91
4/7/1994
3/12/1995
03/27/96
12/11/96
9/2/1997
7/8/1998
2/23/1999
11/10/1999
8/8/2000
5/31/2001
5/7/2002
12/12/2002
8/13/2003
3/30/2004
12/8/2004
9/21/2005
Date
MW1
RS2
RS5
"RS6"
RS7
RS8
RS9
RS10
T1

APPENDIX C.

LABORATORY REPORTS

KIFF Analytical LLC

Report Number : 61556
Date : 3/18/2008

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

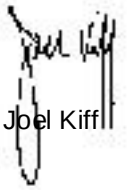
Subject : 10 Water Samples
Project Name : DP793
Project Number : 1st 1/4 2008

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,



Joel Kiff

KIFF Analytical LLC

Report Number : 61556
Date : 3/18/2008

Project Name : **DP793**
Project Number : **1st 1/4 2008**

Sample : **RS05** Matrix : Water Lab Number : 61556-01

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**330**	0.50	ug/L	EPA 8260B	3/18/2008
Toluene	**110**	0.50	ug/L	EPA 8260B	3/18/2008
Ethylbenzene	**98**	0.50	ug/L	EPA 8260B	3/18/2008
Total Xylenes	**440**	0.50	ug/L	EPA 8260B	3/18/2008
Methyl-t-butyl ether (MTBE)	**1.9**	0.50	ug/L	EPA 8260B	3/18/2008
TPH as Gasoline	**4600**	50	ug/L	EPA 8260B	3/18/2008
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	3/18/2008
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	3/18/2008

Sample : **RS07** Matrix : Water Lab Number : 61556-02

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**190**	0.50	ug/L	EPA 8260B	3/15/2008
Toluene	**5.4**	0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene	**63**	0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes	**39**	0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)	**1.9**	0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline	**2300**	50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/15/2008

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 61556
Date : 3/18/2008

Project Name : **DP793**
Project Number : **1st 1/4 2008**

Sample : **RS08** Matrix : Water Lab Number : 61556-03

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**81**	4.0	ug/L	EPA 8260B	3/17/2008
Toluene	**41**	4.0	ug/L	EPA 8260B	3/17/2008
Ethylbenzene	**51**	4.0	ug/L	EPA 8260B	3/17/2008
Total Xylenes	**560**	4.0	ug/L	EPA 8260B	3/17/2008
Methyl-t-butyl ether (MTBE)	**< 4.0**	4.0	ug/L	EPA 8260B	3/17/2008
TPH as Gasoline	**18000**	400	ug/L	EPA 8260B	3/17/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	3/17/2008
4-Bromofluorobenzene (Surr)	95.7		% Recovery	EPA 8260B	3/17/2008

Sample : **RS09** Matrix : Water Lab Number : 61556-04

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.6**	0.50	ug/L	EPA 8260B	3/15/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline	**82**	50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/15/2008

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 61556
Date : 3/18/2008

Project Name : **DP793**
Project Number : **1st 1/4 2008**

Sample : **RS10** Matrix : Water Lab Number : 61556-05

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/15/2008

Sample : **R1** Matrix : Water Lab Number : 61556-06

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	3/15/2008

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 61556
Date : 3/18/2008

Project Name : **DP793**
Project Number : **1st 1/4 2008**

Sample : **R2** Matrix : Water Lab Number : 61556-07

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.59**	0.50	ug/L	EPA 8260B	3/15/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/15/2008

Sample : **R3** Matrix : Water Lab Number : 61556-08

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	3/15/2008

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 61556
Date : 3/18/2008

Project Name : **DP793**
Project Number : **1st 1/4 2008**

Sample : **T1** Matrix : Water Lab Number : 61556-09

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**6600**	15	ug/L	EPA 8260B	3/17/2008
Toluene	**1200**	15	ug/L	EPA 8260B	3/17/2008
Ethylbenzene	**960**	15	ug/L	EPA 8260B	3/17/2008
Total Xylenes	**2300**	15	ug/L	EPA 8260B	3/17/2008
Methyl-t-butyl ether (MTBE)	**25**	15	ug/L	EPA 8260B	3/17/2008
TPH as Gasoline	**22000**	1500	ug/L	EPA 8260B	3/17/2008
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	3/17/2008
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	3/17/2008

Sample : **LF01** Matrix : Water Lab Number : 61556-10

Sample Date :3/12/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	3/15/2008

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 61556

Date : 3/18/2008

QC Report : Method Blank Data

Project Name : **DP793**

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

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene		0.50	ug/L	EPA 8260B	3/17/2008
Toluene		0.50	ug/L	EPA 8260B	3/17/2008
Ethylbenzene		0.50	ug/L	EPA 8260B	3/17/2008
Total Xylenes		0.50	ug/L	EPA 8260B	3/17/2008
Methyl-t-butyl ether (MTBE)		0.50	ug/L	EPA 8260B	3/17/2008
TPH as Gasoline		50	ug/L	EPA 8260B	3/17/2008
Toluene - d8 (Surr)			%	EPA 8260B	3/17/2008
4-Bromofluorobenzene (Surr)			%	EPA 8260B	3/17/2008
Benzene		0.50	ug/L	EPA 8260B	3/17/2008
Toluene		0.50	ug/L	EPA 8260B	3/17/2008
Ethylbenzene		0.50	ug/L	EPA 8260B	3/17/2008
Total Xylenes		0.50	ug/L	EPA 8260B	3/17/2008
Methyl-t-butyl ether (MTBE)		0.50	ug/L	EPA 8260B	3/17/2008
TPH as Gasoline		50	ug/L	EPA 8260B	3/17/2008
Toluene - d8 (Surr)			%	EPA 8260B	3/17/2008
4-Bromofluorobenzene (Surr)			%	EPA 8260B	3/17/2008
Benzene		0.50	ug/L	EPA 8260B	3/15/2008
Toluene		0.50	ug/L	EPA 8260B	3/15/2008
Ethylbenzene		0.50	ug/L	EPA 8260B	3/15/2008
Total Xylenes		0.50	ug/L	EPA 8260B	3/15/2008
Methyl-t-butyl ether (MTBE)		0.50	ug/L	EPA 8260B	3/15/2008
TPH as Gasoline		50	ug/L	EPA 8260B	3/15/2008
Toluene - d8 (Surr)			%	EPA 8260B	3/15/2008
4-Bromofluorobenzene (Surr)			%	EPA 8260B	3/15/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 61556

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/18/2008

Project Name : **DP793**

Project Number : **1st 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		0.61	40.0	39.8	37.0	37.4	ug/L			91.0	92.4	1.58	70-130	25
Toluene		<0.50	40.0	39.8	37.8	39.1	ug/L			94.4	98.2	3.90	70-130	25
Tert-Butanol		9.3	200	199	181	214	ug/L			85.9	102	17.7	70-130	25
Methyl-t-Butyl Ether		<0.50	40.0	39.8	35.0	35.2	ug/L			87.4	88.3	0.970	70-130	25
Benzene		<0.50	40.0	40.0	44.0	41.9	ug/L			110	105	4.86	70-130	25
Toluene		<0.50	40.0	40.0	43.5	41.4	ug/L			109	103	5.04	70-130	25
Tert-Butanol		<5.0	200	200	219	219	ug/L			110	110	0.0787	70-130	25
Methyl-t-Butyl Ether		<0.50	40.0	40.0	44.2	44.6	ug/L			111	111	0.733	70-130	25
Benzene		<0.50	40.0	40.0	39.9	38.2	ug/L			99.7	95.4	4.40	70-130	25
Toluene		<0.50	40.0	40.0	45.1	42.8	ug/L			113	107	5.17	70-130	25
Tert-Butanol		<5.0	200	200	206	201	ug/L			103	100	2.29	70-130	25
Methyl-t-Butyl Ether		<0.50	40.0	40.0	35.4	34.0	ug/L			88.6	85.0	4.18	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 61556

QC Report : Laboratory Control Sample (LCS)

Date : 3/18/2008

Project Name : **DP793**

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

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L			93.7	70-130
Toluene	40.0	ug/L			96.9	70-130
Tert-Butanol	200	ug/L			93.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L			83.8	70-130
Benzene	40.0	ug/L			107	70-130
Toluene	40.0	ug/L			106	70-130
Tert-Butanol	200	ug/L			106	70-130
Methyl-t-Butyl Ether	40.0	ug/L			113	70-130
Benzene	40.0	ug/L			93.2	70-130
Toluene	40.0	ug/L			104	70-130
Tert-Butanol	200	ug/L			97.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L			82.6	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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SRG # / Lab No. 61556

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Cassie Concoff	California EDF Report? ☒ Yes ☐ No
Company / Address: 1386 E Beamer St WEGE / Woodland, CA 95776	Sampling Company Log Code:
Phone #: 530 668 5520	Fax #:
Global ID:	
Project #: Part 4 2008	P.O. #:
EDF Deliverable To (Email Address):	
Project Name: DP793	Sampler Signature:
Project Address: Oakland	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) @ 5.0 ppb	BTEX (EPA 8260B)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 624 ? Drinking Water)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT: 1 wk	For Lab Use Only
RS05	3/12/08	1620	3					X			X			X	X								1wk	01
RS07		1320																						02
RS08		1158																						03
RS09		1253																						04
RS10		1224																						05
R1		1712																						06
R2		1644																						07
R3		1605																						08
T1		1746																						09
LF01		1127																						10

Relinquished by:	Date	Time	Received by:
	3/13/08	918	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	031308	0918	Kiff Analytical

Remarks:

Bill to: Western Geo-Eng.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Custody Seal Present
5.4	KMH	031308	0913	IR 2	Yes / No

Distribution: White - Lab, Pink - Originator
Rev: 05/06