REPORT

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
UNIT 2 DAY TANKS
EL CENTRO GENERATING STATION
485 EAST VILLA ROAD
EL CENTRO, CALIFORNIA

PREPARED FOR:

IMPERIAL IRRIGATION DISTRICT
333 EAST BARIONI BOULEVARD
IMPERIAL, CALIFORNIA 92251

URS PROJECT NO. 22238888.00003

SEPTEMBER 25, 2006

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Senior Project Geologist

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September 25, 2006

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September 25, 2006

Mr. Baltazar Aguilera
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333 E. Barioni Road
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Subject: Phase II Environmental Site Assessment
Unit 2 Day Tanks
485 East Villa Road
El Centro, California
URS Project No. 22238888.00003

Dear Mr. Aguilera:

URS Corporation (URS) is pleased to provide you with the attached Report of Phase II Environmental Site Assessment services for Unit 2 Day Tanks located at the above-referenced property. This assessment was conducted in support of the Imperial Irrigation District's (IID) Energy Division plans for the Unit 3 Repowering Project.

We trust that the findings, conclusions and recommendations provided in this report will meet with your project objectives and expectations. Should you have any questions related to this report, please do not hesitate to contact the undersigned.

Sincerely,

URS CORPORATION

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Senior Project Geologist

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USGS	United States Geological Survey
AST	Above Ground Storage Tank
CRWQCB	California Regional Water Quality Control Board
µg/L	Micrograms per kilogram
ASTM	American Society for Testing and Materials
Bgs	Below ground surface
Calscience	Calscience Environmental Laboratories, Inc.
CCR	California Code of Regulations
CEC	California Energy Commission
ESA	Environmental Site Assessment
Geotechnics	Geotechnics, Inc
IID	Imperial Irrigation District
mg/kg	Milligrams per kilogram
NELAC	National Environmental Laboratory Accreditation Conference
ECGS	El Centro Generating Station
CTG/HRSG	Combustion turbine generator and heat recovery steam generator
Region 7	Colorado River Basin
msl	mean sea level
USA	Underground Service Alert
VOCs	Volatile Organic Compounds
SVOC	Semivolatile Organic Compounds
LUFT	Leaky Underground Fuel Tank
DHS	Department of Health Services
EPA	Environmental Protection Agency
TDS	Total dissolved solids
mg/l	milligrams per liter
mg/kg	Milligrams per kilograms
TPH	Total petroleum hydrocarbons
MCL	Maximum contaminant level
CCR	California Code of Regulations
ESA	Environmental Site Assessment
CalOSHA	California Occupational Safety and Health Administration
U.S. EPA	Unites States Environmental Protection Agency
ASTM	American Society for Testing and Materials

SECTION 1 PROJECT BACKGROUND

1.1 GENERAL SITE LOCATION AND OPERATIONAL HISTORY

The IID El Centro Generating Station (ECGS) is an electrical power generating facility that comprises approximately 100 acres of land. The facility is located at 485 East Villa Road in the City of El Centro, Imperial County, California (Figure 1). The facility consists of a steam turbine building that houses three turbines (Turbines Nos. 2, 3, and 4 currently operating), a maintenance building, a transformer substation, three settling ponds (canal water storage basin), four cooling towers (one dedicated to each turbine), generating unit Nos. 2, Boilers No. 3 and 4, and a fish farm.

The project site is currently occupied by the concrete foundations and underground vaults of former Boiler Nos. 1 and No. 2, four 30,000-gallon demineralized water aboveground storage tanks (ASTs), two 22,000-gallon fuel aboveground storage tanks (ASTs, referred to as Unit No. 2 Day Tanks), underground and aboveground natural gas pipelines, cooling water lines, and conduits. A north-south trending paved road currently bisects the central portion of the project site. The area located to the west of the road is currently undeveloped (Figure 2).

Based on our review of historical information, the ECGS was constructed in 1947 and has expanded over the last almost 60 years. The project site was formerly developed with two boilers (No. 1 and No. 2) that powered two adjacent steam turbines, and Unit No. 2 Day Tanks No. 1 and No. 2, which were installed in 1947 and 1953, respectively. The Day Tanks were used to store No. 6 fuel oil (heavy fuel oil). Boiler No. 1 and No. 2 were removed from the ECGS in 1993 and 1994, leaving their concrete foundations in place. The Day Tank No. 1 was emptied and cleaned in 1993 and has not been in use since. The Day Tank No. 2 was converted from heavy fuel oil to diesel storage. Boilers No. 3 and No. 4 are still in use. Evidence of leaks or spills was observed around the central portion of the ASTs. The fill port is located on the top of the tanks. Staining was observed on the saddle-shaped concrete structures that support each tank. Surface soil staining was not observed directly beneath the ASTs. According to Mr. Taylor and Mr. Kemp of IID, there have been spills associated with the ASTs. Current procedures for handling spills involve sending an internal hazardous materials crew to document spills and arrange for cleanup. Past procedures for handling heavy fuel oil spills included covering the spilled fuel oil with sand, which would then turn to a solid. No records detailing historic spill events exist. Due to the long operational history associated with Unit No. 2 Day Tanks, and reported history of releases; this area was identified as a recognized environmental condition in URS' March 22, 2006 report and was recommended for further investigation.

1.2 PROJECT OBJECTIVES

IID is planning to construct a combustion turbine generator and heat recovery steam generator (CTG/HRSG) referred to as the Unit 3 Repower Project at the ECGS. The proposed development is anticipated to include the construction of a General Electric 7EA combustion turbine generator. The new unit will be located within an approximately 10-acre portion of the IID property located adjacent to the west of the exiting steam turbine building. The proposed construction will require that the two existing Day Tanks be removed (Figure 2).

1.3 PHYSICAL SETTING

The site is located within Township 15 South, Range 14 East West, Section 32 within the City of El Centro, Imperial County, California. Topographic coverage of the Project Site vicinity is provided by the United States Geological Survey (USGS) 7-½ minute "El Centro, California" Topographic Quadrangle (USGS 1992) at an approximate location of 32.802600 degrees north latitude and 115.540000 west longitude. According to the topographic map, the elevation of the Project Site is approximately 47 feet below sea level, that generally to the north. The Project Site is relatively flat and there were no natural surface water bodies on the Project site at the time of this investigation.

The Project Site is located within the Imperial Valley approximately 35 miles southeast of the Salton Sea. According to the EDR report, the Project Site is overlain by a fine-grained silty clay loam, which has very slow infiltration rates. These soils extend to approximately 60 inches below ground surface.

Based on a review of available hydrogeologic documents from the California Regional Water Quality Control Board (CRWQCB) for the Colorado River Basin (Region 7), the Project Site is located within the Imperial Hydrologic Unit located within the Imperial Valley Planning Area. According to the CRWQCB, groundwater in the portion of the East Salton Sea Hydrologic Unit that encompasses the Project Site is designated as having beneficial uses for municipal and industrial uses (CRWQCB, 2005).

1.3.1 LOCAL GEOLOGY AND HYDROGEOLOGY

The site is located within the Salton Trough, a topographic and structural depression bound to the north by the Coachella Valley and to the south by the Gulf of California (Geotechnics 2006). The site is located in an area that has been covered by lakes during Quaternary time. A variable thickness of undocumented fill was encountered at the site consisting generally of dry to moist, light brown, silty fine sand and moist, lean to fat, hard clay. The fill thickness generally ranges from approximately 0.5 foot to 6 feet below ground surface (bgs). The site is underlain at depth (generally below 6 feet) by lacustrine deposits associated with the ancient lakes in the area. The lacustrine deposits generally consist of lean to fat clay with a few thin beds of sandy silt.

Groundwater was encountered at variable depths below ground surface at the time of drilling. Groundwater recharge was found to be very slow in the majority of the borings due to the hard, relatively less permeable clayey subsurface soils. Depth to static groundwater was measured in several temporary piezometers and/or groundwater monitoring wells installed during this investigation. Average depth to the static groundwater level at the project site was found to be approximately 5.4 feet bgs (Table 1). The groundwater flow direction at the project site was found to be generally to the northwest with a modest hydraulic gradient of approximately 0.01 foot per foot (Figure 3).

SECTION 2 FIELD INVESTIGATION

2.1 SCOPE OF WORK

The scope of work for this Phase II ESA included two rounds of sampling and consisted of the following elements:

- Locate and mark the investigation locations based on available preliminary construction drawings.
- Locate and mark underground utilities of planned investigation locations. Potholing to clear the utilities and mark areas with subsurface obstructions in advance of the exploratory drilling and sampling.
- Prepare a site-specific health and safety plan.
- Procure the necessary team of subcontractors including mobile and fixed-base analytical laboratories, field personnel, equipment and supplies to accomplish the planned sampling and analytical testing program.
- Advance a total of 4 direct-push borings, DP-01 thru DP-04, which were converted to temporary piezometers, and 5 hand-auger borings, HA-01 thru HA-05 during first round of the investigation (Figure 3).
- Advance a total of 15 hollow-stem auger borings, HSA-01 thru HSA-15, and convert 7 into temporary piezometers and the remaining 8 into groundwater monitoring wells.
- Collect up to 58 soil and 26 groundwater samples during both rounds of the investigation analyze for target chemical constituents of concern using an onsite mobile laboratory and a fixed-base laboratory offsite.
- Conduct a professional land survey of the project investigation points to include the determination of location coordinates in relation to a known geodetic reference point and elevations with respect to the mean sea level (msl).
- Evaluate the results of analytical laboratory testing and prepare this report with conclusions and recommendations.

2.2 SUMMARY OF FIELD ACTIVITIES

Field activities for the first round of investigation began in May 2006 when a representative from URS met with representatives from IID at the project site to mark the locations where sampling was to take place. Subsequently, URS informed the Underground Service Alert (USA) of the planned exploration activities and a utility locating and mark-out request ticket was generated (Ticket No. A1360715) on May 16, 2006.

On May 22, 2006, a limited-access direct-push rig was used by Vironex, a C-57 licensed drilling company, to advance a total of four borings (DP-01 thru DP-04) on the perimeter of the two Day Tanks (Figure 3). The subsurface soils at these locations were sampled using clear, 2-inch diameter acetate

liners at select intervals starting at approximately 0.5 foot bgs and subsequently submitted to a fixed-base laboratory for analysis. Depth of exploration in these borings ranged from 12 to 19 feet bgs. A temporary, 2-inch PVC casing was installed in each direct-push boring to screen groundwater quality with increasing depth. A groundwater sample was collected from temporary piezometers DP-01, DP-02, and DP-04, which yielded sufficient groundwater volume subsequent to the casing installation. No sample was collected from DP-03, as groundwater recharge inside the casing was not sufficient to collect the necessary sample volume at this location. Due to access limitations for a direct-push rig immediately adjacent to the Day Tanks, five hand-auger borings were advanced in these areas. Borings HA-01 thru HA-05 were advanced to a maximum depth of approximately 2.5 feet bgs and encountered refusal. Representative near-surface and subsurface soil samples were collected from these hand auger borings at select intervals ranging from 0.5 foot to 2.5 feet bgs and submitted to the laboratory for analysis. No groundwater was encountered inside the hand auger borings. Each boring advanced during Round 1 were backfilled with hydrated bentonite.

Field activities for Round 2 began in August 2006 and included marking the proposed new boring and well locations and locating and marking the underground utilities in the new areas targeted for supplemental investigations. A new USA ticket number was generated for this round under Ticket No. A2200603.

Between August 14 and 17, 2006, a total of 15 borings were advanced on the perimeter of the Day Tanks area using a hollow-stem auger rig, provided by Baja Exploration, a C-59 licensed drilling company. Borings HSA-01 thru HSA-15 were drilled to depths ranging from approximately 15 to 20 feet bgs. Refusal on in Borings HAS-2, -4, and -9 was encountered to be a hard remnant slab or foundation structures. However, these borings were subsequently relocated to avoid the underground obstructions and drilled to the desired depths (HSA-2A, -4A, and -9A). Subsurface soil samples were collected at select intervals starting at approximately 0.5 foot below ground surface and continuously thereafter at every 0.5-foot interval through the vadose zone (the zone above the known perched aquifer). The samples collected were 2-inch diameter brass liners or were grabbed from the tip of a hand auger at shallower depths while manually excavating to avoid utilities. The sample sleeves were subsequently covered with Teflon™ and capped on both ends and placed inside an ice chest with ice for delivery to a State-certified laboratory under standard chain-of-custody procedures.

Temporary piezometers consisting of a 4-inch diameter perforated PVC casing were installed inside the borings to conduct an initial screening for depth and quality of groundwater. Soil and groundwater samples collected from these borings and piezometers were submitted to an onsite mobile laboratory for analysis of target chemical constituents of concern. Based on the results of initial analyses, decisions were made in the field as to which of the borings were to be converted into groundwater monitoring wells and which were to be abandoned (sealed with hydrated bentonite).

Of the 15 borings advanced during Round 2, eight borings were converted into groundwater monitoring wells and the remaining seven were converted into temporary piezometers, which were abandoned subsequent to the collection of the desired information such as depth to water and water quality data. The monitoring wells were constructed with a traffic-rated box, locking cap and metal cover to allow periodic access for measurements during the investigation period. A part-blank and part-perforated 4-inch diameter PVC casing installed in each well facilitates the screening of the upper part of the perched

aquifer within the study area. The wells were constructed following the procedures and guidelines outlined in the State of California Well Standards Bulletins 74-81 and 74-90.

The hollow-stem augers, hand auger and other equipment that came into contact with potentially contaminated media during both rounds of the investigation were decontaminated prior to the start of sampling and between borings to reduce the likelihood of cross contamination. The decontamination included washing the equipment in an Alconox™ solution, rinsing with potable water followed by a final rinse with distilled water. The subsurface conditions encountered in each boring were recorded on a boring log in accordance with American Society for Testing and Materials (ASTM) E1903 under the supervision of a California Professional Geologist, copies of which are provided in Appendix A. Upon completion of sampling and logging activities, borings not converted into groundwater monitoring wells were backfilled with hydrated bentonite using the standard tremie method.

Subsequent to the completion of Round 2, a second groundwater monitoring and sampling event was scheduled on August 21, 2006. During this event, the depth to groundwater in each monitoring well was measured using an electronic water-level meter. An electronic interface probe was also used to check for possible presence of phase-separated product. The wells were subsequently purged and sampled using the low-flow sampling technique. Samples were collected in clean laboratory-prepared containers and subsequently submitted to a fixed-base laboratory for analyses.

A third groundwater monitoring event followed on August 30, 2006, approximately nine days following the second event. During this activity depth to static groundwater was measured in each well using an electronic water level meter. An electronic interface probe was also used to check for possible presence of phase-separated product in the wells. Results from the referenced groundwater monitoring events are provided in Appendix B.

The soil cuttings and purge water generated during the advancement of each boring and groundwater monitoring well development and sampling, respectively were stored in 55-gallon drums and labeled with information including drum contents, date of generation and contact information. The drums were temporarily placed on the project site at a location designated by the IID representative pending future characterization and disposal. An Investigation-Derived Waste Inventory Form providing the above details is included in Table 1.

Top-of-casing and ground surface elevations at each monitoring well, temporary piezometer and hand-auger boring were surveyed by a licensed professional land surveyor subsequent to the completion of the field investigation activities. Each investigation point was surveyed with reference to a local geodetic reference point with known coordinates and elevation. A copy of the elevation survey data table is presented in Appendix C.

Photographic documentation of field conditions is provided in Appendix D.

2.3 FIELD OBSERVATIONS

Surface soils at the site in the vicinity of the Day Tanks were found to generally consist of dry, loose to very loose, light brown, silty sand and clayey sand. In the areas directly beneath and immediately adjacent to the Day Tanks, a one- to two-inch asphalt-like material was found to form a layer over the

surface soils. The surface soils were typically found to be underlain by moist, brown, fat clay dominating the subsurface interval from approximately 0.5 foot bgs to the full investigation depth in each boring. Occasionally, lenses of clayey sand were encountered at depth. In a limited number of borings, DP-04, HA-01, HA-04 and HA-05 a hydrocarbon odor and associated discoloration was noted. The subsurface soils in the remaining borings were found to be generally free of residual hydrocarbon odor and associated discoloration with increasing distance from the Day Tanks. Several hand-auger borings met refusal at an average depth of approximately 2.5 feet bgs on what appeared to be a hard concrete slab or foundation structure. These structures are believed to be the foundation structures for the existing Day Tanks or remnant foundation materials related to structures which were previously removed in this area.

Groundwater recharge borings were found to be relatively slow due to the presence of presence of hard clay. The water levels did not reach static equilibrium in a number of monitoring wells when measured approximately 10 days following installation. Of the eight monitoring wells installed, five (HSA-3, -5, -8, -14, and -15) appeared to have reached static was level conditions by August 30, 2006. The average depth to water measured in the wells was approximately 5.4 feet below the top-of-casing elevation.

During the first round of Phase II ESA field activities, a surface sheen was noted on a sample of groundwater from piezometer DP-04, located on the western side of the Day Tanks. Surface sheen or phase-separated product was not observed in the other piezometers or monitoring wells during Round 1 and 2 investigations.

SECTION 3 ANALYTICAL LABORATORY TESTING

3.1 SAMPLE PREPARATION AND DELIVERY

The soil and groundwater samples were collected brass sleeves or laboratory-prepared glass containers and labeled with detailed information to facilitate cross referencing and reporting. They were kept inside a chest with ice while in transit under chair-of-custody procedures to the laboratory facility off site or were directly transferred to a mobile laboratory for analysis on site. During both rounds of the investigation, the laboratories received the samples in good condition and at an acceptable ambient temperature of approximately 3.7 degrees Celsius.

3.2 SAMPLE ANALYSIS

A total of 58 soil and 26 groundwater samples were analyzed collectively by H&P Mobile Geochemistry Laboratories of Carlsbad, California on site and by Calscience Environmental Laboratories, Inc. (Calscience) in Garden Grove, California. Both laboratories are California-certified and accredited under the National Environmental Laboratory Accreditation Conference (NELAC). The following analyses were performed during this investigation:

Soil and groundwater samples:

- Extended Range Total Petroleum Hydrocarbons (TPH – C7 to C44) by the Department of Health Services (DHS) Method

Groundwater samples:

- Volatile Organic Compounds (VOCs) by EPA Method 8260B
- Semivolatile Organic Compounds (SVOCs) by EPA Method 8270
- Organic lead by DHS Leaky Underground Fuel Tanks (LUFT) Method
- Total lead by EPA Method 3010
- Total dissolved solids by EPA Method 160.1

The analyses were performed by both laboratories in accordance with the guidelines established in their Quality Assurance Quality Control Manual, applicable standard operating procedures, and other related documentation.

3.3 LABORATORY TEST RESULTS

Of the 58 soil samples analyzed, 24 samples were reported to contain detectable concentrations of TPH. The detected TPH was reported to be in the diesel range. Concentrations ranged from just above the laboratory detection level of 5 milligrams per kilogram (mg/kg) to 66,000 mg/kg (Figures 4 and 5)

Of the 26 groundwater samples analyzed for TPH, 12 samples were reported to contain detectable concentrations in the diesel-fuel range. Concentrations ranged from 660 micrograms per liter (µg/l) in HSA-12 to 1,000,000 µg/l in DP-04 (Figures 6 and 7). Other analyses for VOCs, SVOCs, organic and total lead were performed on groundwater samples from piezometers DP-01, -02 and -03. Of the VOCs, chloroform was the only constituent detected at concentrations of 45 and 63 µg/l in samples from DP-01 and DP-02, respectively. Of the SVOCs, naphthalene was the only constituent detected at a concentration of 20 µg/l in a water sample from DP-04. Organic lead was not detected in any of the samples analyzed. Total lead was detected at concentrations ranging from 1.08 mg/l in a water sample from DP-04 to 44.9 mg/l in a water sample from DP-02. The groundwater sample from HSA-15 was also analyzed for total dissolved solids (TDS). The TDS for this sample was reported at 71,800 mg/l.

Copies of the laboratory analysis reports and pertinent chain-of-custody forms are included in Appendix E. Summaries of the results of analytical laboratory testing are provided in Tables 2, 3 and 4.

SECTION 4 DISCUSSION

4.1 SUMMARY OF FINDINGS

Detectable TPH in the diesel-fuel range was reported for 24 soil samples collected during this investigation. Concentrations range from 5 to 66,000 mg/kg. The highest TPH concentrations were reported for samples collected near surface to approximately 3 feet bgs. These areas are generally close to or directly beneath Day Tanks No. 1 and 2. Figures 4 and 5 illustrate the extent of TPH present in soils around the Day Tanks area. Figure 4 shows the approximate lateral extent of TPH in soils (from 0 to 0.5 bgs) directly beneath the tanks and in the surrounding areas. The results indicate that the lateral extent of shallow soils containing TPH is generally limited to the area between the two tanks and to a lesser degree, immediately adjacent to the tanks. In deeper soils (0.5 to 5 feet bgs), the lateral extent of TPH is more extensive, centered directly beneath Day Tank No. 2, as illustrated on Figure 5. Based on the results of this field investigation, it appears that the lateral extent of TPH in soil may be limited to a 30-foot radial distance from the center of the two Day Tanks. Due to access constraints and subsurface obstructions, it was not possible to investigate the full vertical extent of the TPH in soils directly beneath the tanks; however, it is estimated that it may extend to at least the depth of static groundwater (approximately 5 feet bgs). Vertical migration of TPH may have been inhibited by concrete slabs and foundation structures that are present beneath the Day Tanks. Based on the results of this investigation, it is estimated that approximately 130 cubic yards of soil contain TPH at levels that will require special handling when excavation is conducted during the planned construction activities.

Detectable TPH in the diesel-fuel range was reported for 12 groundwater samples collected during this investigation. Concentrations ranged from 660 to 1,000,000 µg/l. The highest dissolved TPH concentration was reported for a sample from piezometer DP-04 installed close to the western side of the Day Tanks. A hydrocarbon sheen was also noted on the surface of the groundwater sample from this location. Figures 6 and 7 illustrate the lateral extent of the dissolved TPH in groundwater as contoured based on the results of this investigation. Figure 6 shows the extent based on preliminary results obtained from piezometer data collected in May 2006. Figure 7 shows the extent based on the preliminary results, as well as the findings from follow-on investigations in August 2006, including data from the monitoring wells. Based on the cumulative results of investigations conducted to date, it appears that the extent of TPH in the vicinity of the Day Tanks is limited to an approximate 30-foot radial distance away from the center of Day Tank No. 1, as shown in Figure 7. During the follow-on investigations conducted in Round 2, observations were made to monitor for the presence of phase-separated hydrocarbons, but none were found. It is possible however, that phase-separated hydrocarbon is present in the vicinity of DP-04 where the concentration of dissolved-phase TPH concentration in the groundwater was 1,000,000 µg/l and soil contained 26,000 mg/kg TPH at shallow depths directly beneath the Day Tanks.

Additional analyses were conducted on a select number of groundwater samples with the highest reported TPH concentrations for possible presence of other chemical constituents typically associated with diesel-fuel range hydrocarbons. Of the VOCs, chloroform was the only constituent detected. Naphthalene was the only SVOC detected. Total lead was detected at concentrations ranging from 1.08 to 44.9 mg/l. From the list of additional constituents detected, total lead is the only constituent that may be exceeding its corresponding regulatory threshold concentration. Organic lead was not detected in any of samples analyzed. The maximum contaminant level (MCL) for total lead is listed as 0.015 mg/l for 10 percent of

the total samples from a tap water source (California Code of Regulations [CCR] Title 22, September 2003). It is worth noting: however that the shallow groundwater quality in the region where the project site is located is generally of poor quality and not suitable for consumption prior to treatment. A sample from monitoring well HSA-15 (farthest monitoring well installed from the Day Tank area during this investigation) was reported to contain 71,800 mg/l TDS. This concentration exceeds the California State Secondary MCL ranges by approximately 50 fold (CCR Title 22), and is more than twice the level associated with seawater.

SECTION 5 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

Based on the results of this Phase II ESA, URS concludes the followings:

- The TPH contamination found in the soil samples is predominantly in the diesel range and appears to be related to historic releases from the two Day Tanks.
- The shallow soils, between 0 to 0.5 feet bgs, beneath the two Day Tanks (Day Tank No. 1 and No. 2) and in the areas immediately surrounding the Day Tanks have been impacted with TPH concentrations of as much as 30,000 mg/kg.
- Deeper soils in the near vicinity of the Day Tanks, from 0.5 foot to approximately 5 feet bgs, have also been impacted with significant TPH concentration of as much as 66,000 mg/kg.
- It appears that the lateral extent of the TPH impact in soil may be limited to within a 30-foot radial distance from the center of the two Day Tanks.
- Approximately 130 cubic yards of soil is estimated to have been impacted by TPH, which will require special handling when disturbed during preparations for the planned construction activities.
- Groundwater beneath the area of the Day Tanks has been impacted with dissolved-phase TPH at concentrations ranging from 660 to 1,000,000 µg/l. This impact appears to be related to historic releases from the two Day Tanks.
- The resulting impact on groundwater is limited to within approximately 30-foot radial distance away from the center of Day Tank No. 1, and primarily directed to the northwest (groundwater flow direction) and to the east.
- Hydrocarbon sheen was noted on the surface of a groundwater sample collected from one of the piezometers (DP-04) during the first round of investigations. During the follow-on investigations conducted in Round 2, observations were made to check for the presence of phase-separated hydrocarbons, but none were found. It is possible however, that phase-separated hydrocarbon is present in more quantities and in other areas beneath and immediately adjacent to the Day Tanks.
- Very few other compounds (VOCs, SVOCs, and organic lead) were detected in groundwater at levels of concern.
- Based on the results of this investigation, it does not appear that the TPH in groundwater has migrated offsite or poses a threat of migration to offsite areas around the IID facility.

5.2 RECOMMENDATIONS

The results of this Phase II ESA indicate that soil and groundwater beneath and immediately around the Day Tank area contain TPH quantified as diesel-fuel. This poses a safety concern to future construction workers particularly since the current plans for this area include the demolition and removal of the Day Tanks to facilitate the construction of the new Unit 3 CTG/HRSG. The planned construction will involve excavation of near surface soils and deeper soils (at least to about 8 feet bgs) and to place the foundation structures for the future stack. Ground disturbance in this area will require advance preparation and planning to handle TPH containing soils phase-separated hydrocarbon that may be present on the groundwater table.

Based on the evaluations made during this investigation, it is estimated that approximately 130 cubic yards of soil may contain TPH in the diesel range. The highest TPH concentrations found were in the upper five feet in the areas directly beneath or immediately adjacent to the Day Tanks. It is therefore recommended that following the removal of the two aboveground tank structures, excavation activities in and around this area be conducted in a systematic way to remove a limited portion of the soil at any given time to limit and control exposure to hydrocarbons. Initially, the excavation work should be performed using a backhoe equipped with a small bucket, i.e., 24-inch bucket, to remove the near surface soils down to the depths at which foundation structures are presumably buried (approximately 2.5 feet bgs in the Day Tank area). Excavated soils should be carefully segregated based on visual evaluations indicative of TPH impact such as odor or discoloration. It is recommended that a mobile analytical laboratory be present at the time of the excavation activities to help with onsite evaluation of the level of contamination and segregation of the soil stockpiles. Stockpiled soils generated from the excavation activities should be placed on Visqueen™ to protect the underlying surface soils and to reduce the likelihood of cross contamination. The stockpiled soil should be covered with plastic and protective berms should be constructed around the stockpiles to prevent migration of contamination due to surface runoff.

To the extent that caving from the more unstable dry silty sand in the upper 1 to 2 feet of the surface may prevent the excavation work to proceed, it is recommended that remediation trenches be sloped back per recommendation of a qualified engineer. The buried foundation structures, once exposed, should be broken in place depending on their dimensions and removed in limited sections at a time to expose the underlying soils. Static groundwater at the project site was encountered at approximately 5 feet bgs, therefore it is very likely that groundwater will be encountered during the removal of the foundation structures that penetrate the subsurface at depths in excess of 5 feet. Groundwater in the area of the Day Tanks was found to be contaminated with dissolved-phase TPH at concentrations ranging from 660 to 1,000,000 µg/l. It is also likely that phase-separated hydrocarbons will be encountered in the areas beneath and immediately next to the Day Tanks. It is recommended that the excavation crew be prepared to remove the impacted groundwater along with any phase-separated hydrocarbons using a combination of pump and skimmer system and transfer to an onsite temporary storage tank. So long as the size of the remedial trenching and excavations are kept to a minimum for a given section, it is anticipated that groundwater recharge will be nominal, making it feasible to excavate deeper areas of soil contamination, if any, and to reach the desired construction depth with a dewatering system in place. The skimmer system should be utilized to remove all phase-separated hydrocarbon, if encountered inside the remedial excavations. To reduce the future possible risk of significant exposure within the footprint of the planned construction project, it is recommended that soils with TPH concentrations in excess of 100 mg/kg be

removed by excavation. Upon completion of the remedial excavations, confirmation sampling and analysis should be conducted to check for the effectiveness of the cleanup. Site workers involved with the remediation activities should be 40-hour HAZWOPER trained in accordance with California Occupational Safety and Health Administration (CalOSHA) rules and regulations.

Stockpiled soils should be characterized in accordance with the acceptance criteria as set forth by a permitted waste recycling or disposal facility and properly disposed.

SECTION 6 REFERENCES

American Society for Testing and Materials (ASTM), 2002. Standard Guide for Environmental Site Assessment; Phase II Environmental Site Assessment Process.

California Regional Water Quality Control Board, 2003. Water Quality Control Plan – Colorado River Basin- Region 7. November 17.

California Code of Regulations – CCR Title 22 September 2003.

Geotechnics Incorporated, 2006. Geotechnical Investigation Unit 3 Generation Station, El Centro, California – Project No. 0554-080-00. Document No. 06-0132. March 17.

Power Engineering, 2005. Unit 3 Repower Project Preliminary Drawings

United States Geological Survey (USGS) 7-½ minute "El Centro, California" Topographic Quadrangle (USGS 1992)

URS Corporation, 2006. Health and Safety Plan – El Centro Generating Station Unit 3 Repower. Imperial Irrigation District (IID), El Centro, California, August 10.

URS Corporation, 2005. Phase I Environmental Site Assessment – ….

Table 1
Groundwater Elevation Data Day Tanks Area – Unit 2
IID ECGS

Sample Location	Top of Casing Elevations (feet below MSL)	Depth to Water (ft. below TOC)		Groundwater Elevation (ft. below MSL)	
		8/21/06	8/30/06	8/21/06	8/30/06
HSA-1	-49.46	12.70	12.71	-62.16	-62.17
HAS-3	-49.38	5.18	5.71[a]	-54.56	-55.09
HSA-5	-48.87	4.50	4.96[a]	-53.37	-58.83
HSA-6	-49.11	17.11	10.50	-66.22	-59.61
HSA-7	-49.66	18.09	16.38	67.75	-66.04
HAS-8	-49.81	5.10	5.40[a]	-54.91	-55.21
HSA-14	-49.28	5.45	5.67[a]	54.73	-54.95
HSA-15	-49.53	4.90	5.67[a]	-54.43	-54.73

Notes:
HSA: Hollow Steam-Auger Boring where monitoring well was installed.
MSL: Mean Sea Level
TOC: Top of Casing
[a]: Denotes monitoring well with static equilibrium water level.

Table 2
Summary of Soil Sample Analytical Results

Sample ID	Date Sampled	Depth (feet)	TPH	Sample ID	Date Sampled	Depth (feet)	TPH
DP-01	5/22/06	0.5	1,800	HSA-3	8/14/06	3.0	<45
		2.5	<5.0			6.0	<45
		5.0	<5.0	HSA-4A	8/14/06	3.0	<45
DP-02	5/22/06	0.5	4,500			6.0	<45
		2.5	70	HSA-5	8/15/06	3.0	<45
		5.0	<5.0			6.0	<45
DP-03	5/22/06	0.5	<5.0	HSA-6	8/15/06	3.0	<45
		2.5	130			6.0	<45
		5.0	340	HSA-7	8/15/06	3.0	<45
		10.0	52			6.0	<45
DP-04	5/22/06	0.5	26,000			7.0	<45
		2.5	1,200			8.0	<45
		5.0	1,100	HSA-8	8/15/06	3.0	<45
		10.0	69			6.0	<45
HA-01	5/22/06	0.5	7,200	HSA-9	8/15/06	3.0	<45
		2.5	9			6.0	11 (10)
HA-02	5/22/06	0.5	5			7.0	<45
		2.5	<5.0	HSA-10	8/15/06	3.0	197
HA-03	5/22/06	0.5	880			6.0	123
		2.5	1,400	HSA-11	8/16/06	3.0	<45
HA-04	5/22/06	0.5	1,400			6.0	<45
		2.5	66,000	HSA-12	8/16/06	3.0	<45
HA-05	5/22/06	0.5	30,000			6.0	<45
HSA-1	8/14/06	3.0	<45			8.0	<45
		6.0	<45	HSA-13	8/16/06	3.0	<45
		7.0	<45			6.0	<45
HSA-2	8/14/06	3.0	<45	HSA-14	8/16/06	2.0	39 (10)
HSA-2A	8/14/06	3.0	<45			3.0	110
		6.0	<45			6.0	62

Notes:

<: The "less than" symbol indicates that the constituent was not detected above the detection limit specified.

TPH: Total Petroleum Hydrocarbons

(10) Indicates detection limit for the laboratory-specified carbon range.

Table 3
Summary of Groundwater Sample Analytical Results

Sample ID	Date Sampled	TPH
DP-01	5/22/06	1,800
DP-02	5/23/06	12,000
DP-04	5/22/06	1,000,000
BH3	8/14/06	<500
HSA-1	8/15/06	830
	8/17/06	<500
HSA-2A	8/17/06	<500
HSA-3	8/15/06	<500
HSA-4A	8/16/06	<500
HSA-5	8/16/06	1,000
	8/21/06	<500
HSA-6	8/15/06	<500
	8/21/06	<500
HSA-7	8/15/06	960
	8/21/06	<500
HSA-8	8/15/06	1,400
	8/21/06	<500
HSA-9A	8/15/06	900
HSA-10	8/15/06	1,000
HSA-11	8/16/06	1,400
HSA-12	8/16/06	660
HSA-13	8/17/06	<500
HSA-14	8/17/06	<500
	8/21/06	<500
HSA-15	8/17/06	1,500
	8/21/06	<500

Notes:

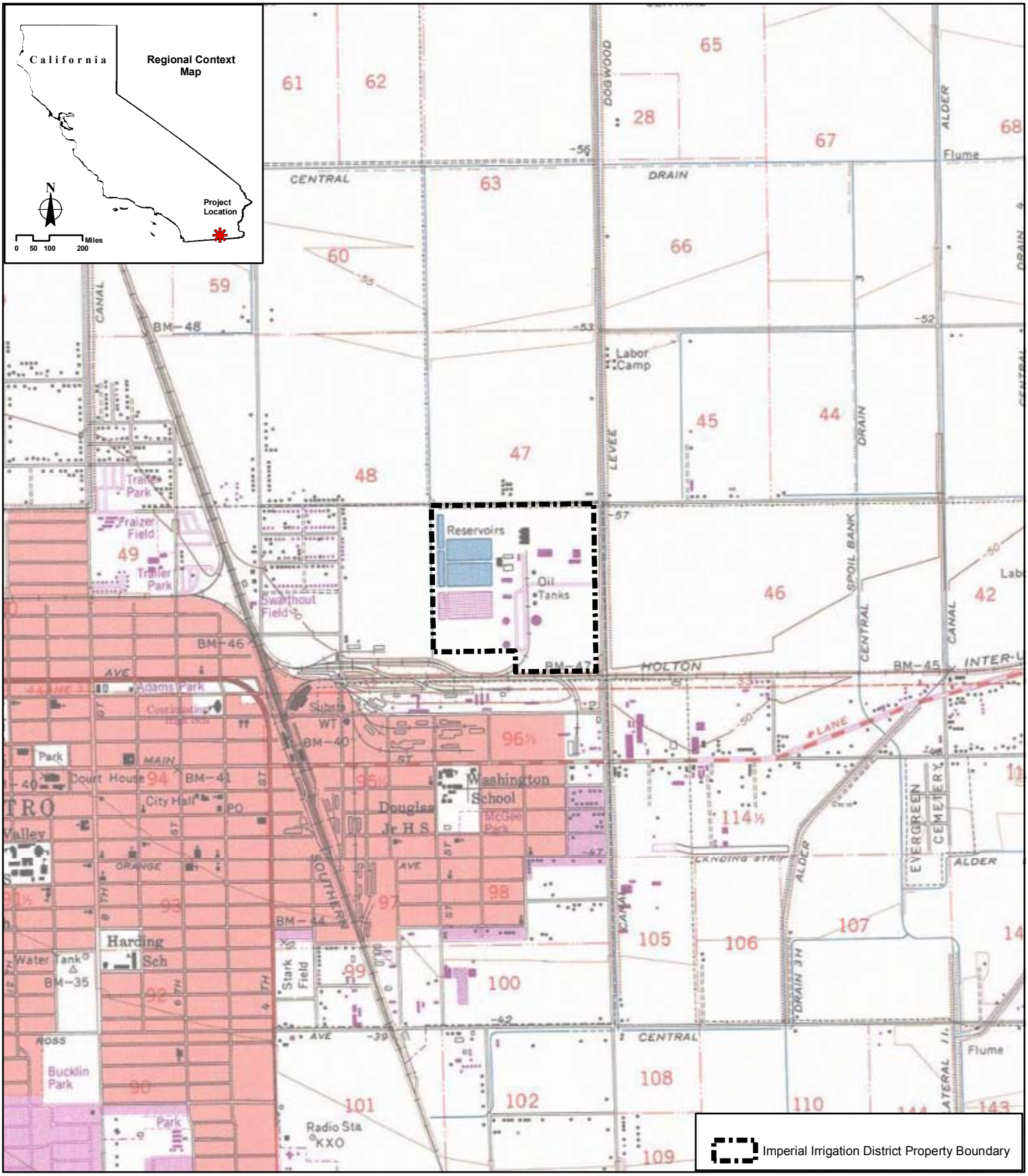
<: The "less than" symbol indicates that the constituent was not detected above the detection limit specified

TPH: Total Petroleum Hydrocarbons

Table 4
Summary of Groundwater Sample Analytical Results
Dissolved VOCs, SVOCs, Total and Organic Lead

Sample ID	Date Sampled	VOCs	SVOCs	Organic Lead (mg/l)	Total Lead (mg/l)
		Chloroform (µg/l)	Naphthalene (µg/l)		
DP-01	5/22/2006	45	<10	1.13	<0.3
DP-02	5/23/2006	63	<10	44.9	<0.3
DP-04	5/22/2006	<100	20	1.08	<0.3

Notes:
<: The "less than" symbol indicates that the constituent was not detected above the detection limit specified.
VOCs: Volatile Organic Compounds
SVOCs: Semivolatile Organic Compounds



Project Location Map

El Centro Generating Station Unit 3 Repower Project
Imperial Irrigation District

0 500 1,000 2,000 Feet

SCALE: 1" = 2000'

N

SOURCES:
USGS (7.5 El Centro quad); ESRI;
Imperial Irrigation District (site plan).

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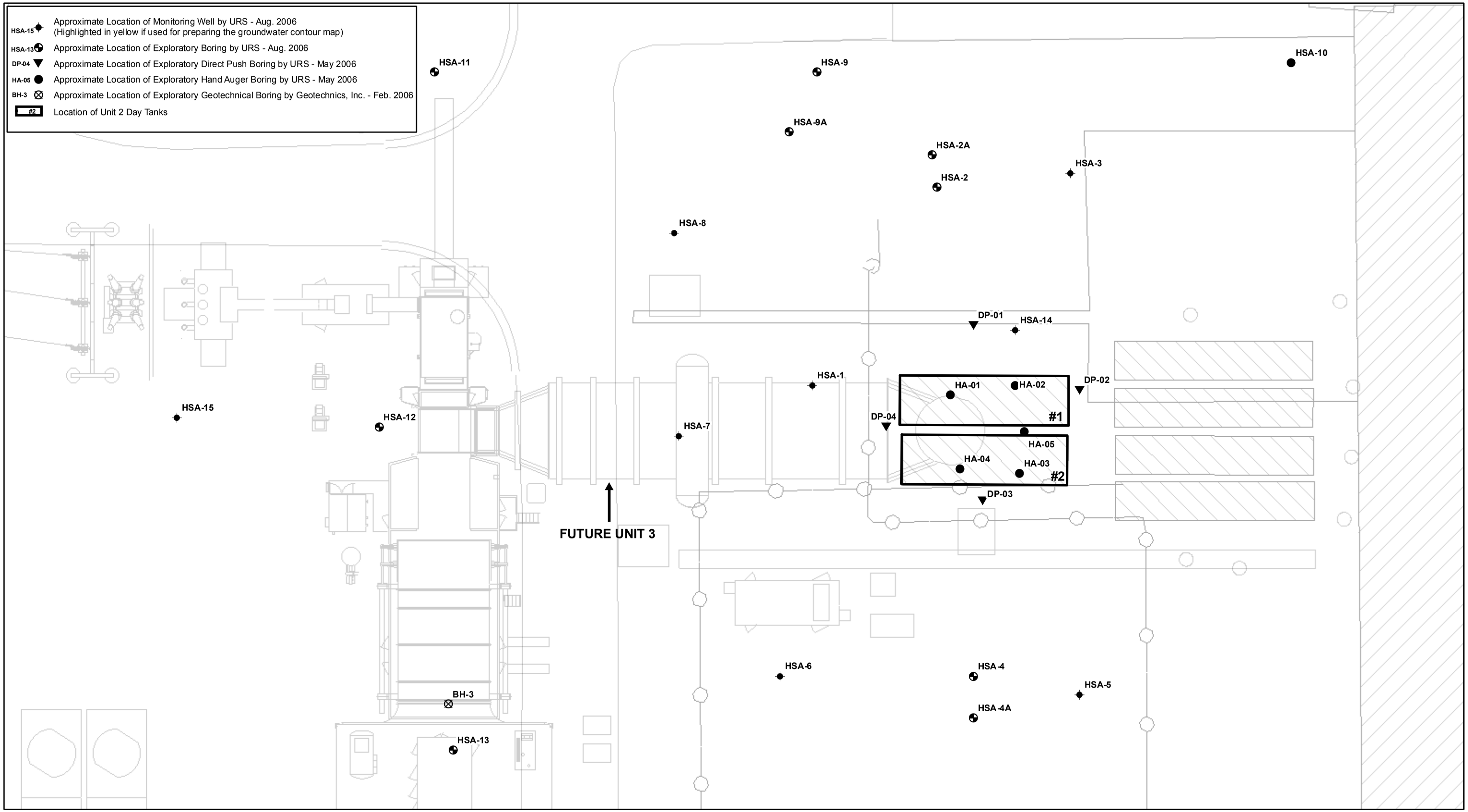
FIGURE 1

G:\gis\projects\1577\22238888\mxds\project_location.mxd



0 5 10 20 Feet
SCALE: 1" = 20'

N

SOURCES:
EG Chapman, Inc (survey locations 08-24-06);
Power Engineering (base map 08-11-06).

Site Investigation Map
Unit 2 Day Tanks Area

El Centro Generating Station Unit 3 Repower Project
Imperial Irrigation District

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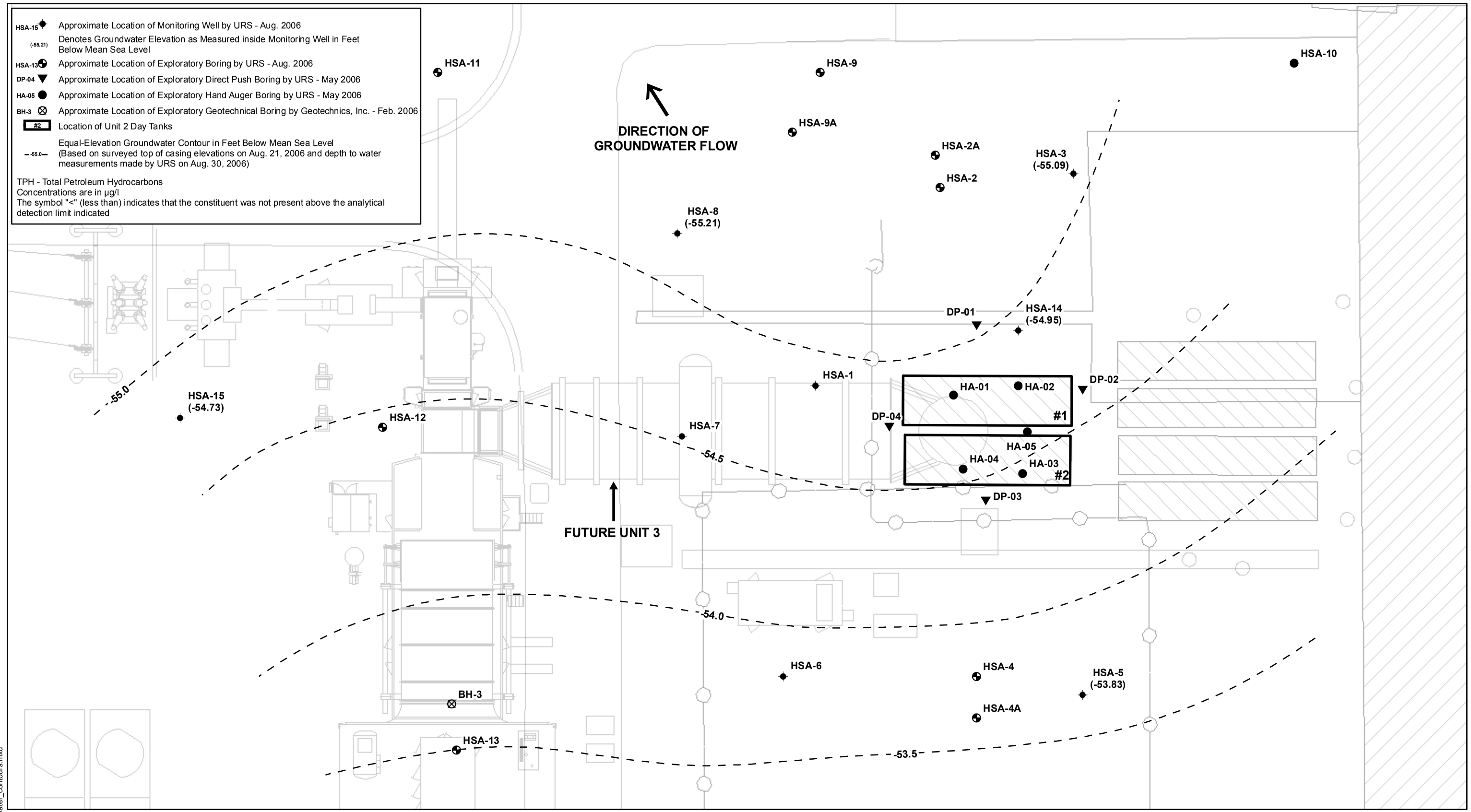
FIGURE 2

G:\gis\projects\1577\22238888\mxd\site_plan.mxd



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0 5 10 20 Feet
SCALE: 1" = 20'

N

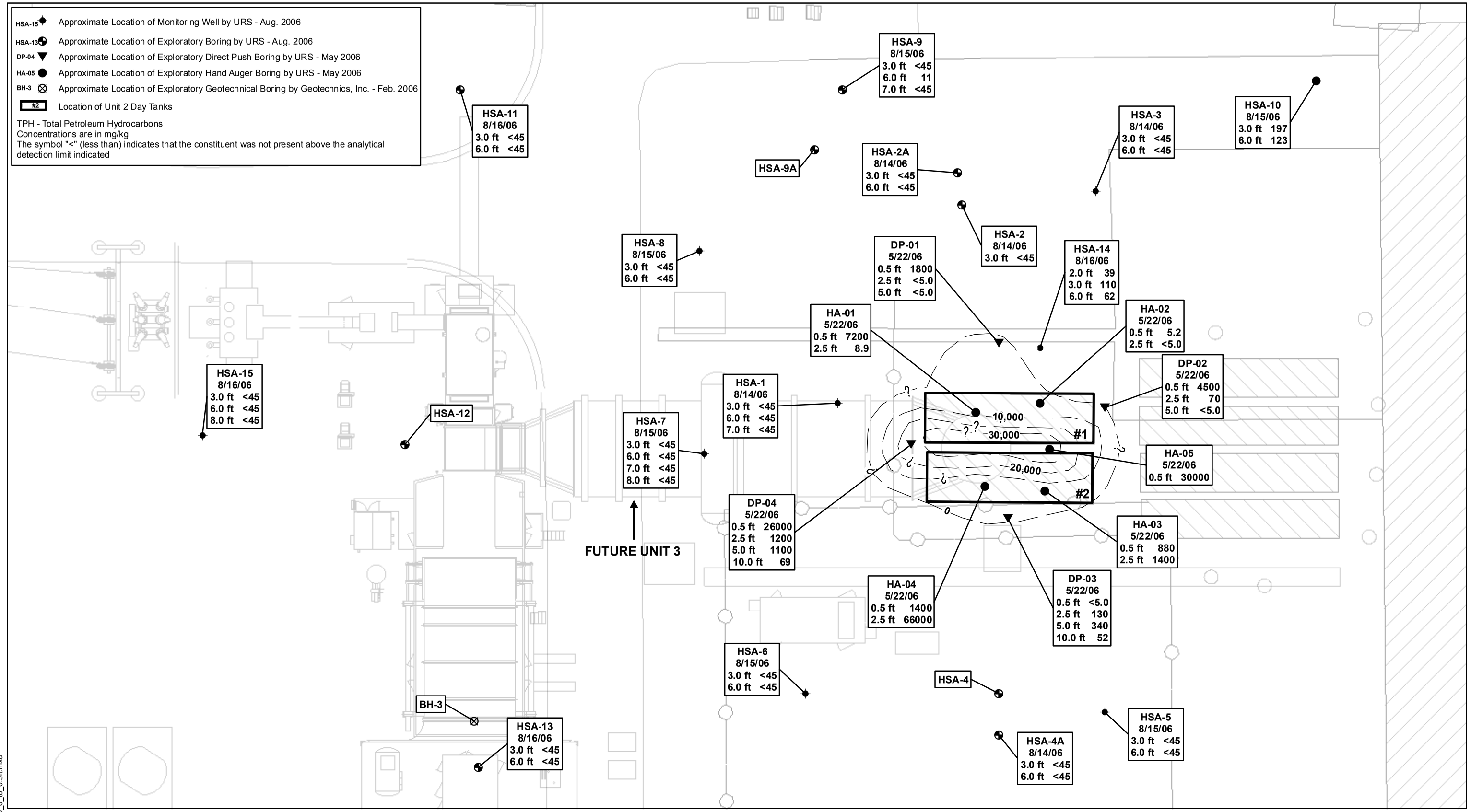
SOURCES:
EG Chapman, Inc (survey locations 08-24-06);
Power Engineering (base map 08-11-06).

Groundwater Contour Map
Unit 2 Day Tanks Area

El Centro Generating Station Unit 3 Repower Project
Imperial Irrigation District

URS

FIGURE 3



0 5 10 20 Feet
SCALE: 1" = 20'

N

SOURCES:
EG Chapman, Inc (survey locations 08-24-06);
Power Engineering (base map 08-11-06).

Isoconcentration Contour Map
TPH in Soil at 0 to 0.5 Feet
Unit 2 Day Tanks Area

El Centro Generating Station Unit 3 Repower Project
Imperial Irrigation District

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FIGURE 4

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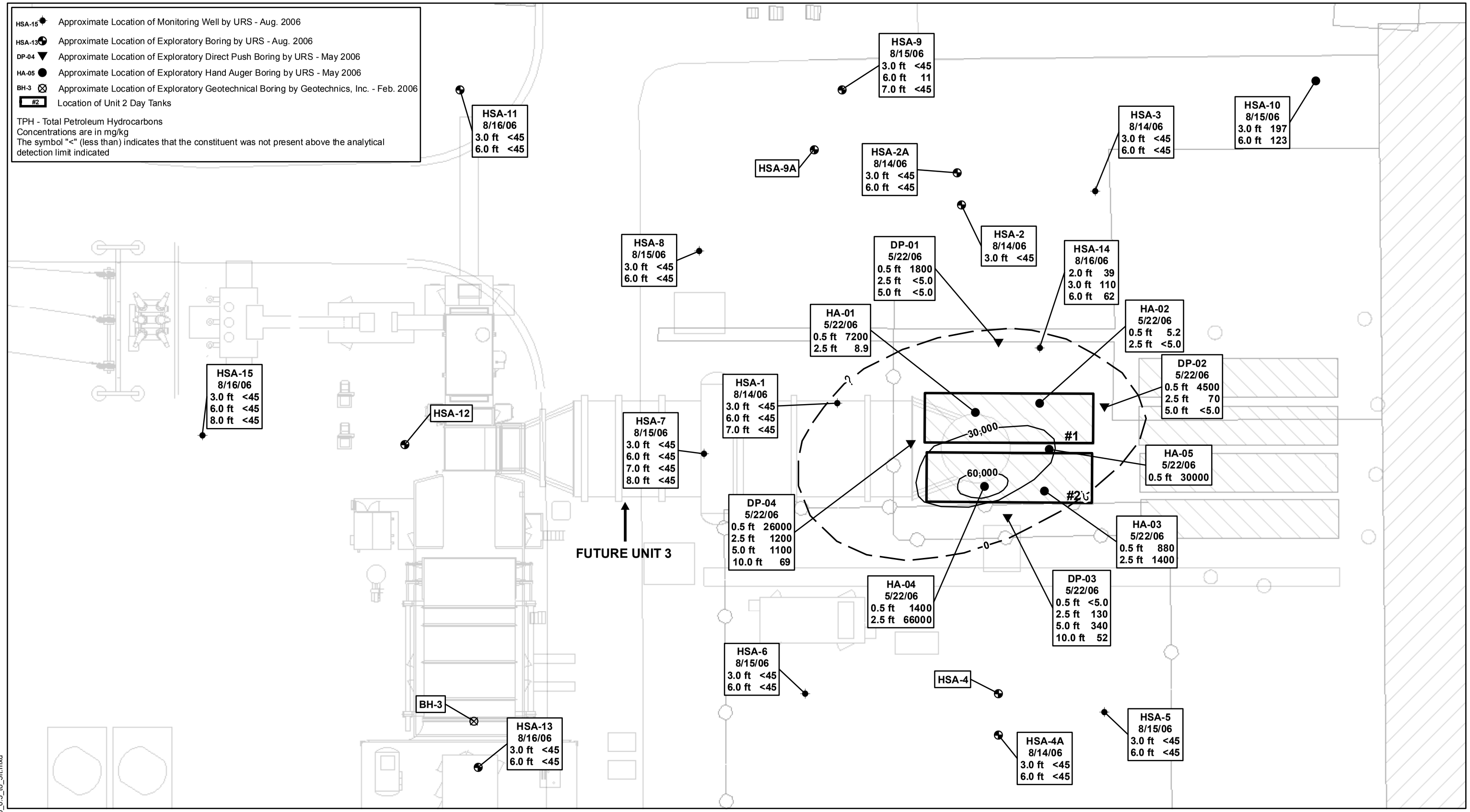

G:\gis\projects\1577\22238888\mxd\iso_map_0.5_to_5ft.mxd

0 5 10 20 Feet
SCALE: 1" = 20'

N

SOURCES:
EG Chapman, Inc (survey locations 08-24-06);
Power Engineering (base map 08-11-06).

Isoconcentration Contour Map
TPH in Soil at 0.5 to 5.0 Feet
Unit 2 Day Tanks Area

El Centro Generating Station Unit 3 Repower Project
Imperial Irrigation District

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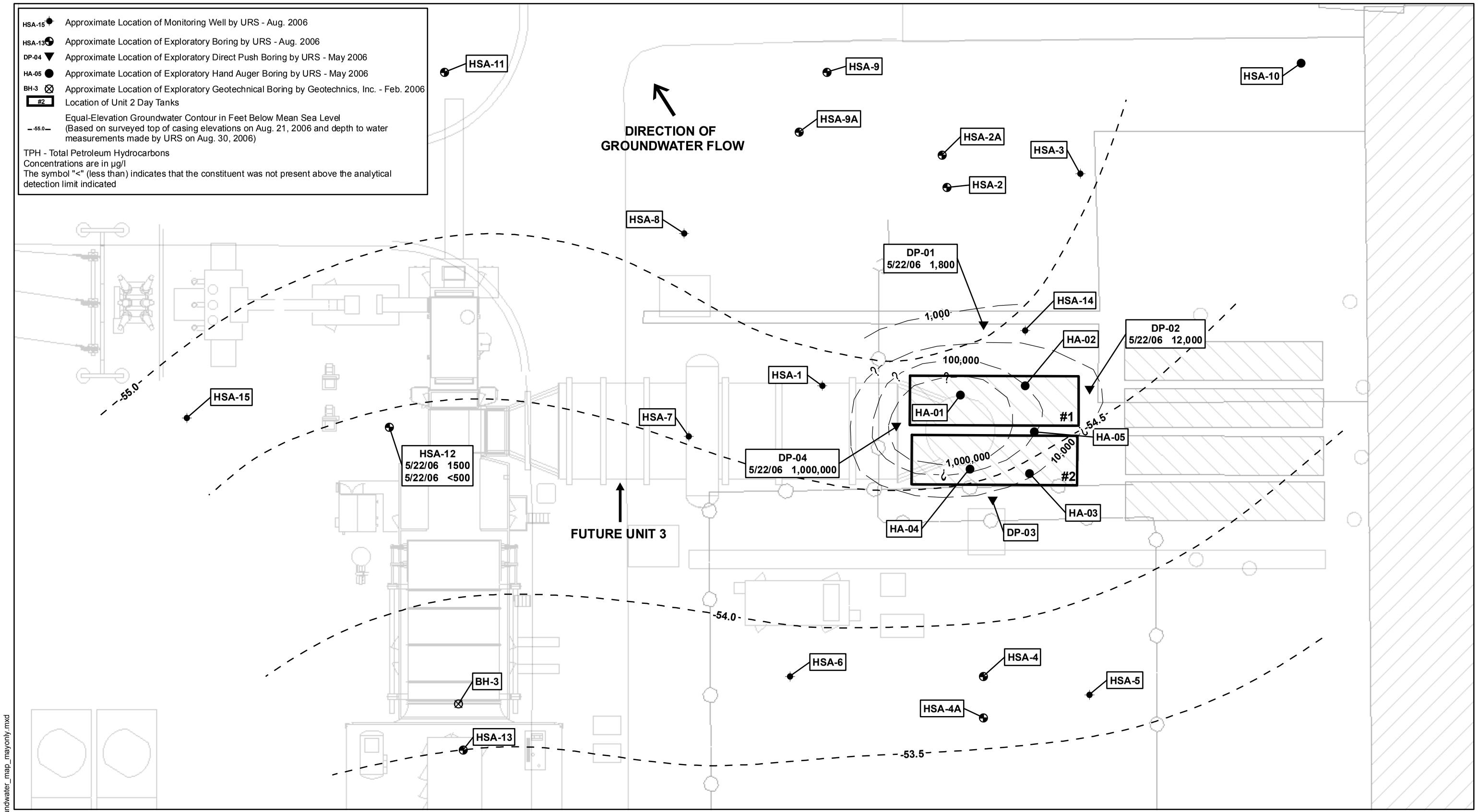
FIGURE 5



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0 5 10 20 Feet
SCALE: 1" = 20'

N

SOURCES:
EG Chapman, Inc (survey locations 08-24-06);
Power Engineering (base map 08-11-06).

Isoconcentration Contour Map
Dissolved TPH in Groundwater (Based on Sample Results from May 2006)
Unit 2 Day Tanks Area

El Centro Generating Station Unit 3 Repower Project
Imperial Irrigation District

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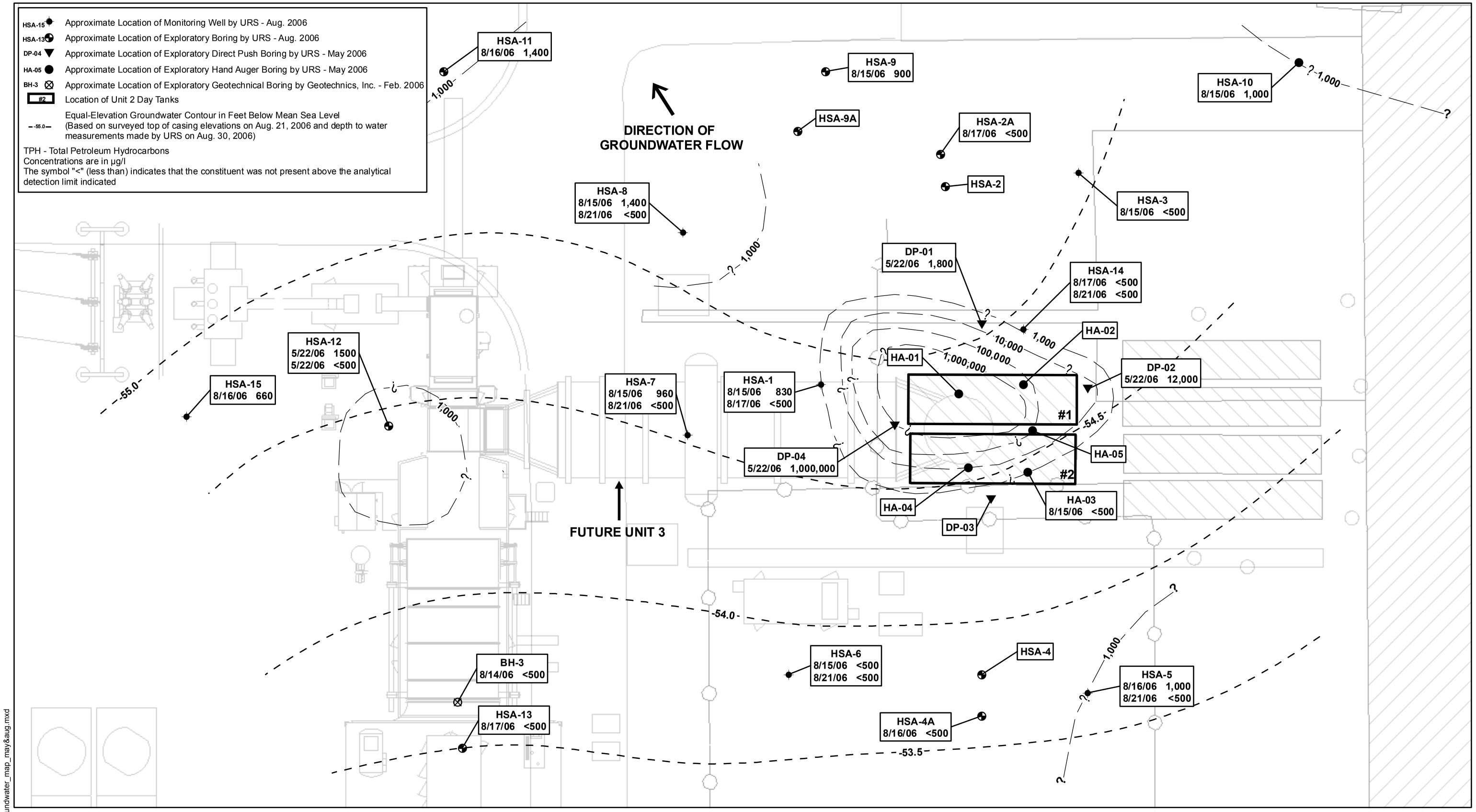
FIGURE 6



0 5 10 20 Feet
SCALE: 1" = 20'

N

SOURCES:
EG Chapman, Inc (survey locations 08-24-06);
Power Engineering (base map 08-11-06).

Isoconcentration Contour Map
Dissolved TPH in Groundwater
(Based on Sample Results from 2006)
Unit 2 Day Tanks Area

El Centro Generating Station Unit 3 Repower Project
Imperial Irrigation District

URS

FIGURE 7

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Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Key to Log of Boring

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows per foot	SAMPLES Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
1	2	3	4	5	6	7	8	9	10	11

COLUMN DESCRIPTIONS

1. **Elevation:** Elevation in feet referenced to International Great Lakes Datum (I.G.L.D. = NGVD - 1.42 feet).
2. **Depth:** Depth in feet below the ground surface.
3. **Sample Type:** Type of soil sample collected at depth interval shown; sampler symbols are explained below.
4. **Sample Number:** Sample identification number.
5. **Sampling Resistance:** Number of blows to advance driven sampler each 6-inch drive interval, or distance noted, using a 140-lb hammer with a 30-inch drop; "NA" indicates data not recorded.
6. **Headspace PID:**: Photo-ionization device field sample headspace reading in parts per million (ppm). "..." indicates not recorded.
7. **Graphic Log:** Graphic depiction of subsurface material encountered; typical symbols are explained below.
8. **USCS Code:** Unified Soil Classification System (USCS) group symbol code for associated soil strata.
9. **Material Description:** Description of material encountered; may include color, moisture, grain size, and density/consistency.
10. **Well Schematic:** Schematic of piezometer or well installation; materials are listed in header block and alongside well schematic; graphic symbols are explained below.
11. **Field Notes and Well Details:** Well construction materials and installation details; also comments and observations regarding drilling or sampling made by driller or field personnel.

TYPICAL SOIL GRAPHIC SYMBOLS

Silty SAND

Clayey SAND

SAND to CLAY

CLAY

TYPICAL WELL GRAPHIC SYMBOLS

Blank casing in filter #3 filter sand

Blank casing in concrete

Blank casing in bentonite chips

4" PVC screen in #3 filter sand

End cap

TYPICAL SAMPLER GRAPHIC SYMBOLS

Grab sample collected from hand auger cuttings

Standard Penetration sampler

OTHER GRAPHIC SYMBOLS

First water encountered at time of drilling and sampling (ATD)

Water level measured at specified time after completion of drilling and sampling

Minor change in material properties within a stratum

Inferred or gradational contact between strata

GENERAL NOTES

1. Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive; actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2. Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring DP-01

Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Direct Push**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**12.0 feet**
Drill Rig Type	**Limited Access Rig**	Drill Bit Size/Type	**2"**	Approx. Ground Surface Elevation	**-49.23 feet MSL**
Groundwater Level(s)	**See Notes**	Sampling Method	**Acetate sleeves (2" acetate liner)**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						ML	Dry, brown, silty fine grained SAND, trace clay and asphalt debris	
-50			P-01-0.5		42				
	2						CL	Moist, dark brown, CLAY, trace silt	
			P-01-2.5		<1			Becomes reddish brown with layers of sand	
	4								
			P-01-5.0		<1			Becomes stiff to hard	No hydrocarbon odor
-55	6								Groundwater measured 6.1' at 1835 hours.
	8								
	10								Groundwater measured 10' at 1729 hours.
-60	12							Bottom of boring at 12 feet bgs Boring completed as temporary piezometer. 3/4"-PVC screen placed 6.5'-11.5' bgs. Groundwater sample collected at 1915 hours. Boring subsequently backfilled with hydrated bentonite.	
	14								
-65	16								
	18								
	20								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238279.GPJ; 9/14/2006 DP-01

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Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring DP-02

Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Direct Push**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**15.0 feet**
Drill Rig Type	**Limited Access Rig**	Drill Bit Size/Type	**2"**	Approx. Ground Surface Elevation	**-49.50 feet MSL**
Groundwater Level(s)	**See Notes**	Sampling Method	**Acetate sleeves (2" acetate liner)**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						ML	Moist, dark brown, SILT with clay, trace fine-grained sand	
-50			P-02-0.5		52				
	2						CL	Moist, dark brown, CLAY, stiff	
			P-02-2.5		<1				
	4								
								Becomes moderately stiff	
			P-02-5.0		<1				No hydrocarbon odor
-55	6								
	8								
	10							Becomes fat, very stiff to hard	
-60									
	12								Groundwater measured 12' at 0930 hours.
	14								
-65								Bottom of boring at 15 feet bgs Boring completed as temporary piezometer. 3/4"-PVC screen placed 5'-15' Groundwater sample collected at 1350 hours. Boring subsequently backfilled with hydrated bentonite.	
	16								
	18								
	20								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238279.GPJ; 9/14/2006 DP-02

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Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring DP-03

Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Direct Push**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**19.0 feet**
Drill Rig Type	**Limited Access Rig**	Drill Bit Size/Type	**2"**	Approx. Ground Surface Elevation	**-49.29 feet MSL**
Groundwater Level(s)	**See Notes**	Sampling Method	**Acetate sleeves (2" acetate liner)**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						ML	Dry, light brown, gravelly SILT with trace fine- to coarse-grained sand	
-50			DP-03-0.5		95				
	2						CL	Moist, brown, CLAY with silt	
			DP-03-2.5		25				
	4								
			DP-03-5.0		304			Becomes dark brown, stiff	Black staining and hydrocarbon odor
-55	6								
	8								No groundwater encountered. Trace of moisture noted on tip of probe at 1505 hours.
	10		DP-03-10.0		--				
-60									
	12								
	14								
-65	16								
	18							Bottom of boring at 19 feet bgs. Caving prevented placement of PVC screen, Geoprobe screen set to 19' bgs. No groundwater available. Boring subsequently backfilled with hydrated bentonite.	
	20								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238279.GPJ; 9/14/2006 DP-03

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring DP-04

Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Direct Push**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**15.0 feet**
Drill Rig Type	**Limited Access Rig**	Drill Bit Size/Type	**2"**	Approx. Ground Surface Elevation	**-49.28 feet MSL**
Groundwater Level(s)	**See Notes**	Sampling Method	**Acetate sleeves (2" acetate liner)**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						SM	Dry, brown, silty SAND, fine-grained with trace gravel and asphalt debris	
-50			DP-04-0.5		107				
	2						ML	Moist, brown, clayey SILT	
			DP-04-2.5		13				
	4						CL	Moist, dark brown CLAY with silt, hard	
			DP-04-5.0		--				Slight hydrocarbon odor
-55	6								
	8								
	10		DP-04-10.0		--			Becomes trace silt with thin wet seams	
-60									Groundwater measured 10.6' at 1625 hours.
	12								
	14								Groundwater measured 13.5' at 1510 hours.
-65	16							Bottom of boring at 15 feet bgs. Boring completed as temporary piezometer. 3/4"-PVC screen placed 10'-15' bgs Groundwater sample collected at ?? hours. Boring subsequently backfilled with hydrated bentonite.	
	18								
	20								

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Project: Imperial Valley Irrigation District **Project Location: El Centro, CA** **Project Number: 22238279.20021**	**Log of Boring HA-01** Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Hand Auger**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**2.5 feet**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Approx. Ground Surface Elevation	**-49.28 feet MSL**
Groundwater Level(s)	**None encountered**	Sampling Method	**Grab**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						CL	Dry, black stained asphalt-like oily sandy, clayey crust ~1"-3" ~0.5' black stain grades out Moist dark brown, CLAY, trace silt	Hydrocarbon odor
-50			HA-01-0.5		--				
	2		HA-01-2.5		<1			Moderately stiff	
								Refusal at 2.5 feet bgs on hard slab. Backfilled with hydrated bentonite.	
	4								
-55									
	6								
	8								
	10								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring HA-02

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Hand Auger**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**2.5 feet**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Approx. Ground Surface Elevation	**-49.23 feet MSL**
Groundwater Level(s)	**None encountered**	Sampling Method	**Grab**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						CL	1.5" light brown, silt layer 1.5" layer of asphalt/oily sandy crust with black stain ~0.5' Becomes moist, dark brown CLAY	
-50			HA-02-0.5		<1				
	2		HA-02-2.5		--			Becomes soft	
								Refusal on rock or slab at 2.5 feet bgs. Backfilled with hydrated bentonite.	
	4								
-55	6								
	8								
	10								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring HA-03

Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Hand Auger**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**2.5 feet**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Approx. Ground Surface Elevation	**-49.15 feet MSL**
Groundwater Level(s)	**None encountered**	Sampling Method	**Grab**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						ML	Dry, light brown, fine sandy SILT, trace coarse-grained sand and gravel, with streaks of black stained silty sand	
-50			HA-03-0.5		<1				
	2		HA-03-2.5		30		CL	Moist, dark brown, CLAY with black stained silty sand to sandy silt	
								Refusal on slab at 2.5 feet bgs. Backfilled with hydrated bentonite.	
	4								
-55	6								
	8								
	10								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring HA-04

Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Hand Auger**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**2.5 feet**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Approx. Ground Surface Elevation	**-49.14 feet MSL**
Groundwater Level(s)	**None encountered**	Sampling Method	**Grab**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						ML	Dry, light brown SILT	
-50			HA-04-0.5		55		SM	Moist, dark brown, clayey fine- to medium-grained SAND, trace coarse-grained sand and gravel	
	2		HA-04-2.5		--		CL	Wet, dark brown, sandy CLAY Becomes black stained	Strong hydrocarbon odor
								Refusal on slab at 2.5 feet bgs. Backfilled with hydrated bentonite.	
	4								
-55	6								
	8								
	10								

URS

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238279.GPJ; 9/14/2006 HA-04

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238279.20021

Log of Boring HA-05

Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Hand Auger**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**1.0 feet**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Approx. Ground Surface Elevation	**-49.22 feet MSL**
Groundwater Level(s)	**None encountered**	Sampling Method	**Grab**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	SAMPLES Blows per foot	SAMPLES Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						ML	Dry, light brown, SILT with clay layer ~1.5", asphalt/oily crust layer to ~6" Becomes dark brown, trace sand Tar-like black stained, silty clay at 0.5'	
-50			HA-05-0.5		--				
								Refusal (in 2 locations) at 1 foot bgs on slab or hard layer. Backfilled with hydrated bentonite.	
	2								
	4								
-55									
	6								
	8								
	10								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238279.GPJ; 9/14/2006 HA-05

URS

Project: Imperial Valley Irrigation District **Project Location: El Centro, CA** **Project Number: 22238279.20021**	**Log of Boring HA-06** Sheet 1 of 1

Date(s) Drilled	**05-22-06**	Logged By	**L. Woodbury**	Reviewed By	
Drilling Method	**Hand Auger**	Drilling Contractor	**Vironex**	Total Depth of Borehole	**3.0 feet**
Drill Rig Type	**NA**	Drill Bit Size/Type	**NA**	Approx. Ground Surface Elevation	
Groundwater Level(s)	**None encountered**	Sampling Method	**Grab**	Hammer Data	**NA**
Borehole Backfill	**Bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0						ML	Dry, light brown and gray, fine-grained, sandy SILT with trace gravel	
			HA-06-0.5		--				
	2		HA-06-2.5		--			Becomes brown with trace fine- to medium-grained sand with black stain Becomes black, tar-like staining and wood and rubble debris	
								Refusal (at 2 locations) at 3 feet bgs in pocket of wood debris black stained	
	4								
	6								
	8								
	10								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238279.GPJ; 9/14/2006 HA-06

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-1

Sheet 1 of 1

Date(s) Drilled and Installed	**08/14/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**15.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-49.46 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-48.95 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**13.6 feet, 12.71 feet**		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0	HSA1-1		0.0		SM	Moist, light brown, silty clayey fine SAND		
-50		HSA1-2		3.7		CH	Moist, brown CLAY with carbonate nodules		
		HSA1-3		1.1					
		HSA1-4		6.8					
		HSA1-5		2.5		SM	Moist, light brown, silty clayey SAND		
						CH	Moist, brown CLAY with carbonate nodules		
	5	HSA1-6		1.3					
-55		HSA1-7	7	0.0					
	10	HSA1-8	14	0.0					
-60									As measured on 08/30/06
	15	HSA1-9	12	0.0					
-65							Bottom of boring at 15 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 4 feet, screened casing from 4 feet to 14 feet. Groundwater samples collected on 08/17/06 and 08/21/06.		
	20								
-70									
	25								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238888.GPJ; 9/14/2006 HSA-1

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-2

Sheet 1 of 1

Date(s) Drilled	**08/14/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**3.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.70 feet MSL**
Groundwater Level(s)	**Not encountered**	Sampling Method	**Grab/SPT**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
-50	0		HSA2-1		0.0		SM	Moist, light brown, silty SAND	
			HSA2-2		0.0		CH	Moist, brown CLAY with carbonate nodules	
			HSA2-3		3.9				
			HSA2-4		0.0				
								Bottom of boring at 3 feet due to refusal on concrete. Backfilled with hydrated bentonite.	
-55	5								
-60	10								
-65	15								
-70	20								
	25								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238888.GPJ; 9/14/2006 HSA-2

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-2A

Date(s) Drilled	**08/14/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.54 feet MSL**
Groundwater Level(s)	**17 feet**	Sampling Method	**Grab/SPT**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0		HSA2A-1		<1		SM	Asphalt tar mixed with gravel over moist, light brown, silty SAND	
-50			HSA2A-2		<1		CH	Moist, brown, fat CLAY with carbonate nodules	
			HSA2A-3		<1				
			HSA2A-4		<1				
			HSA2A-5		<1				
	5		HSA2A-6		<1				
-55			HSA2A-7		<1				
	10		HSA2A-8	14	<1				
-60									
	15		HSA2A-9	20	<1				
-65									As measured at 0705 hours on 08/17/06
	20							Bottom of boring at 20.3 feet bgs. Temporary screened PVC casing installed to measure depth and quality of groundwater. A groundwater sample was collected on 08/17/06. Backfilled with hydrated bentonite on 08/17/06.	
-70									
	25								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-3

Date(s) Drilled and Installed	**08/14/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**15.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-49.38 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-48.91 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**6.3 feet, 5.7 feet**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0		HSA3-1		0.0		SM	Moist, light brown, silty fine SAND		
-50			HSA3-2		<1		CH	Moist, brown CLAY		
			HSA3-3		<1					
			HSA3-4		<1					
			HSA3-5		<1					
	5		HSA3-6		<1					
-55			HSA3-7	6	<1					As measured on 08/30/06
	10		HSA3-8	5	<1					
-60										
	15		HSA3-9	9	<1					
-65								Bottom of boring at 15 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 4 feet, screened casing from 4 feet to 14 feet. Groundwater samples collected on 08/15/06 and 08/21/06.		
	20									
-70										
	25									

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-4

Date(s) Drilled	**08/14/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**3.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.17 feet MSL**
Groundwater Level(s)	**Not encountered**	Sampling Method	**Grab/SPT**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0		HSA4-1		<1		SM	Moist, light brown, fine silty SAND	
-50			HSA4-2		<1		CH	Moist, brown, fat CLAY	
			HSA4-3		<1				
			HSA4-4		<1				
								Bottom of boring at 3 feet due to refusal on concrete. Backfilled with hydrated bentonite.	
	5								
-55									
	10								
-60									
	15								
-65									
	20								
-70									
	25								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-4A

Sheet 1 of 1

Date(s) Drilled	**08/15/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.00 feet MSL**
Groundwater Level(s)	**14.6 feet, 17.6 feet**	Sampling Method	**Grab/SPT**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Bentonite chips**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0		HSA4A-1		<1		SM	Moist, light brown, silty fine SAND	
-50			HSA4A-2		<1		CH	Moist, brown, fat CLAY	
			HSA4A-3		<1				
			HSA4A-4		<1				
			HSA4A-5		<1				
	5		HSA4A-6		<1				
-55			HSA4A-7		<1				
	10		HSA4A-8	20	<1				
-60									
	15		HSA4A-9	17	<1				As measured at 1510 hours on 08/15/06
-65									As measured at 1200 hours on 08/15/06
	20							Bottom of boring at 20 feet bgs. Temporary screened PVC casing installed to measure depth and quality of groundwater. A groundwater sample was collected on 08/16/06. Backfilled with hydrated bentonite,	
-70									
	25								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238888.GPJ; 9/14/2006 HSA-4A

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-5

Sheet 1 of 1

Date(s) Drilled and Installed	**08/15/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-48.87 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-48.56 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**16 feet, 4.96 feet**		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0	HSA5-1		<1		SM	Moist, light brown, silty fine SAND		
		HSA5-2		<1		CH	Moist, brown, fat CLAY		
-50		HSA5-3		<1					
		HSA5-4		<1					
		HSA5-5		<1					
	5	HSA5-6		<1		SC-CL	Moist, light brown, clayey SAND to sandy CLAY		As measured on 08/30/06
		HSA5-7		<1		CH	Moist, brown, fat CLAY		
-55									
	10	HSA5-8	10	<1					
-60									
	15	HSA5-9	20	<1					
-65									
	20						Bottom of boring at 20 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 5 feet, screened casing from 5 feet to 20 feet. Groundwater samples collected on 08/16/06 and 08/21/06.		
-70									
	25								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-6

Sheet 1 of 1

Date(s) Drilled and Installed	**08/15/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-49.11 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-48.92 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**15 feet, 10.50 feet**		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0	HSA6-1		<1		SM	Moist, light brown, silty fine SAND		
-50		HSA6-2		<1		CH	Moist, brown, fat CLAY		
		HSA6-3		<1					
		HSA6-4		<1					
		HSA6-5		<1					
	5	HSA6-6		<1					
-55		HSA6-7		<1					
	10	HSA6-8	10	<1					As measured on 08/30/06
-60									
	15	HSA6-9	15	<1					
-65									
	20						Bottom of boring at 20 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 4.8 feet, screened casing from 4.8 feet to 19.8 feet. Groundwater samples collected on 08/15/06 and 08/21/06.		
-70									
	25								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-7

Date(s) Drilled and Installed	**08/15/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-49.66 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-49.22 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**16.8 feet, 16.38 feet**		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0	HSA7-1		<1		SM	Moist, light brown, silty fine SAND with some gravels		
-50		HSA7-2		<1		CH	Moist, brown, fat CLAY		
		HSA7-3		<1					
		HSA7-4		<1					
		HSA7-5		<1					
	5	HSA7-6		<1					
-55		HSA7-7		<1					
	10	HSA7-8	30	<1					
-60									
	15	HSA7-9	35	<1					
-65									As measured on 08/30/06
	20						Bottom of boring at 20 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 4 feet, screened casing from 4 feet to 19 feet. Groundwater samples collected on 08/15/06 and 08/21/06.		
-70									
	25								

URS

Project: Imperial Valley Irrigation District **Project Location: El Centro, CA** **Project Number: 22238888.00001**	**Log of Boring HSA-8** Sheet 1 of 1

Date(s) Drilled and Installed	**08/15/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-49.81 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-49.48 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**16.1 feet, 5.40 feet**		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0	HSA8-1		<1		SM	Moist, light brown, silty fine SAND		
-50		HSA8-2		<1		CH	Moist, brown, fat CLAY		
		HSA8-3		<1					
		HSA8-4		<1					
		HSA8-5		<1					
	5	HSA8-6		<1		SC	Moist, brown, clayey SAND (SC)		
-55		HSA8-7		<1		CH	Moist, brown, fat CLAY		As measured on 08/30/06
	10	HSA8-8	49	<1					
-60									
	15	HSA8-9	33	<1					
-65									
	20								
-70							Bottom of boring at 20 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 4 feet, screened casing from 4 feet to 19 feet. Groundwater samples collected on 08/15/06 and 08/21/06.		
	25								

URS

Project: Imperial Valley Irrigation District **Project Location: El Centro, CA** **Project Number: 22238888.00001**	**Log of Boring HSA-9** Sheet 1 of 1

Date(s) Drilled	**08/15/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**1.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.58 feet MSL**
Groundwater Level(s)	**Not encountered**	Sampling Method	**Grab**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
-50	0		HSA9-1		<1		SM	Moist, light brown, silty fine SAND	
			HSA9-2		<1				
								Bottom of boring at 1 foot due to refusal on concrete. Backfilled with hydrated bentonite.	
-55	5								
-60	10								
-65	15								
-70	20								
	25								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238888.GPJ; 9/14/2006 HSA-9

URS

Project: Imperial Valley Irrigation District Project Location: El Centro, CA Project Number: 22238888.00001	Log of Boring HSA-9A Sheet 1 of 1

Date(s) Drilled and Installed	08/15/06	Logged By	D. Rector	Reviewed By	
Drilling Method	Hand Auger/Hollow Stem Auger	Drilling Contractor	Baja Exploratoin	Total Depth of Borehole	20.0 feet
Sampling Method	Grab	Drill Bit Size/Type	10"	Top of Casing Elevation	
Size and Type of Well Casing		Screen Perforation		Surface Elevation	-49.56 feet MSL
Seal or Backfill		Groundwater Level(s)	7.25 feet		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES AND WELL DETAILS
-50	0	HSA9A-1		<1		SM	Moist, light brown, silty fine SAND	
		HSA9A-2		<1		CH	Moist, brown, fat CLAY	
		HSA9A-3		<1				
		HSA9A-4		<1				
		HSA9A-5		<1				
	5	HSA9A-6		<1		SC	Moist, brown, clayey SAND	
-55		HSA9A-7		<1		CH	Moist, brown, fat CLAY	
							▽	As measured at 1410 hours on 08/15/06
	10							
-60								
	15							
-65								
	20							
-70							Bottom of boring at 20 feet bgs. Temporary screened PVC casing installed to measure depth and quality of groundwater. A groundwater sample was collected on 08/15/06. Backfilled with hydrated bentonite on 08/15/06.	
	25							

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-10

Date(s) Drilled	**08/16/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.16 feet MSL**
Groundwater Level(s)	**7.9 feet**	Sampling Method	**Grab/SPT**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0	HSA10-1		<1		SM	Asphalt over moist, light brown, silty SAND with some fine gravels	
-50		HSA10-2		<1		CH	Moist, brown, fat CLAY	
		HSA10-3		<1				
		HSA10-4		<1				
		HSA10-5		<1				
	5	HSA10-6		<1				
-55		HSA10-7		<1				
							▽	As measured at 1600 hours on 08/15/06
	10	HSA10-8	14	<1				
-60								
	15	HSA10-9	10	<1				
-65								
	20						Bottom of boring at 20 feet bgs. Temporary screened PVC casing installed to measure depth and quality of groundwater. A groundwater sample was collected on 08/15/06. Backfilled with hydrated bentonite.	
-70								
	25							

URS

Project: Imperial Valley Irrigation District **Project Location: El Centro, CA** **Project Number: 22238888.00001**	**Log of Boring HSA-11** Sheet 1 of 1

Date(s) Drilled	**08/16/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.33 feet MSL**
Groundwater Level(s)	**18.5 feet**	Sampling Method	**Grab/SPT**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0		HSA11-1		<1		SM	Moist, light brown, silty SAND	
-50			HSA11-2		<1		CH	Moist, brown, fat CLAY with carbonate nodules	
			HSA11-3		<1				
			HSA11-4		<1				
			HSA11-5		<1				
	5		HSA11-6		<1				
-55			HSA11-7		<1				
	10		HSA11-8	10	<1				
-60									
	15		HSA11-9	10	<1				
-65									
								▽	As measured at 1453 hours on 08/16/06
	20								
-70								Bottom of boring at 20 feet bgs. Temporary screened PVC casing installed to measure depth and quality of groundwater. A groundwater sample was collected on 08/16/06. Backfilled with hydrated bentonite.	
	25								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-12

Date(s) Drilled	**08/16/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.05 feet MSL**
Groundwater Level(s)	**19.2 feet**	Sampling Method	**Grab/SPT**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
	0		HSA12-1		<1		SM	Moist, light brown, silty SAND	
-50			HSA12-2		<1		CH	Moist, brown, fat CLAY	
			HSA12-3		<1				
			HSA12-4		<1				
			HSA12-5		<1				
	5		HSA12-6		<1				
-55			HSA12-7		<1				
	10		HSA12-8	11	<1				
-60									
	15		HSA12-9	15	<1				
-65									
									As measured at 1430 hours on 08/16/06
	20							Bottom of boring at 20 feet bgs. Temporary screened PVC casing installed to measure depth and quality of groundwater. A groundwater sample was collected on 08/16/06. Backfilled with hydrated bentonite on 08/16/06.	
-70									
	25								

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-13

Sheet 1 of 1

Date(s) Drilled	**08/16/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Hollow Stem Auger Rig**	Drill Bit Size/Type	**10"**	Approx. Ground Surface Elevation	**-49.64 feet MSL**
Groundwater Level(s)	**13 feet**	Sampling Method	**Grab**	Hammer Data	**140 lbs/30" drop**
Borehole Backfill	**Hydrated bentonite**	Location	**See Site Plan**		

Elevation feet	Depth, feet	SAMPLES Type	Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	FIELD NOTES
-50	0		HSA13-1		<0		SM	Moist, light brown to brown, silty clayey SAND	
			HSA13-2		<0		CH	Moist, brown, fat CLAY	
			HSA13-3		<0				
			HSA13-4		<0				
			HSA13-5		<0				
-55	5		HSA13-6		<0				
			HSA13-7		<0				
-60	10								
									As measured at 1325 hours on 08/17/06
-65	15								
-70	20							Bottom of boring at 20 feet bgs. Temporary screened PVC casing installed to measure depth and quality of groundwater. A groundwater sample was collected on 08/16/06. Backfilled with hydrated bentonite on 08/17/06.	
	25								

Report: ENV_12AS/W_CLEV+/-USCS; File: 22238888.GPJ; 9/14/2006 HSA-13

URS

Project: Imperial Valley Irrigation District
Project Location: El Centro, CA
Project Number: 22238888.00001

Log of Boring HSA-14

Sheet 1 of 1

Date(s) Drilled and Installed	**08/16/06 - 08/17/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-49.28 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-48.85 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**8.25 feet, 5.67 feet**		

Elevation feet	Depth, feet	SAMPLES Type Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0	HSA14-1		<1		SM	Moist, light brown, silty SAND		
-50		HSA14-2		10.6		CH	Moist, brown, fat CLAY with carbonate nodules		
		HSA14-3		1.6					
		HSA14-4		<1					
		HSA14-5		5					
	5	HSA14-6		2					
-55		HSA14-7		2					As measured on 08/30/06
	10	HSA14-8	17	<1					
-60									
	15	HSA14-9	18	<1					
-65									
	20						Bottom of boring at 20 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 5 feet, screened casing from 5 feet to 20 feet. Groundwater samples collected on 08/175/06 and 08/21/06.		
-70									
	25								

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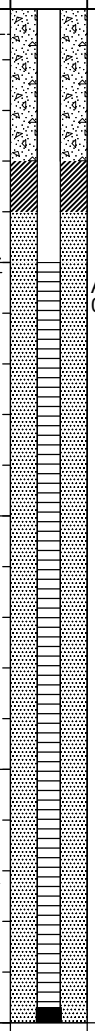
Project: Imperial Valley Irrigation District **Project Location: El Centro, CA** **Project Number: 22238888.00001**	**Log of Boring HSA-15** Sheet 1 of 1

Date(s) Drilled and Installed	**08/17/06**	Logged By	**D. Rector**	Reviewed By	
Drilling Method	**Hand Auger/Hollow Stem Auger**	Drilling Contractor	**Baja Exploratoin**	Total Depth of Borehole	**20.0 feet**
Sampling Method	**Grab/SPT**	Drill Bit Size/Type	**10"**	Top of Casing Elevation	**-49.53 feet MSL**
Size and Type of Well Casing	**4 inch PVC**	Screen Perforation	**0.01 inch**	Surface Elevation	**-49.53 feet MSL**
Seal or Backfill	**See Well Details**	Groundwater Level(s)	**17.25 feet, 5.20 feet**		

Elevation feet	Depth, feet	SAMPLES Type	SAMPLES Number	Blows per foot	Headspace PID	Graphic Log	Lithologic Log (USCS Code)	MATERIAL DESCRIPTION	Well Schematic	FIELD NOTES AND WELL DETAILS
	0						SM	Moist, light brown, silty SAND		
-50							CH	Moist, brown, fat CLAY		
	5									As measured on 08/30/06
-55										
	10									
-60										
	15									
-65										
	20									
-70								Bottom of boring at 20 feet bgs 4-inch diameter PVC casing installed to complete as monitoring well. Blank casing 0 to 5 feet, screened casing from 5 feet to 20 feet. Groundwater samples collected on 08/17/06 and 08/21/06.		
	25									



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Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: HSA-1	Date: 8/21/06	Project: El centro	Project No. 22238888

Gauging Data from Top of Casing (Reference Point)

Depth to Water: 12.70	Total Well Depth: 15.00	Water Column Height (H): 2.30	Top of Casing Elevation:

Gauging Time and initials: 1520 | Casing diameter (D)= 4 in. | 1 casing volume= $(D^2)(H)(0.0408)$= gal | 3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge / Low-Flow/Micro-Purge | Purge Equipment: | Pump Id:

Depth to Water	Time	mL/min Purge Rate	Hz	mL Vol. Removed	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Pump set @ 14' Remarks
13.59	1530	400ml		400	—	—	—	—	—	—	Purged Dry
											* Not enough water
											to take parameter
											readings
14.50	1730	—	—	—	DRY	—	Well	DRY	—	—	Attempt to Sample
											* Not enough
											water to sample
											after 2 hours
											of recharge
											Gallons = ml's/3781
											Sample Rate:
											Total Casing Volumes Removed:
											Total Gallons Removed:

Sample ID.(time): HSA-1 (—) Dup ID.: ( ) Rinsate ID.: ( )

Not Sampled

URS

Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: ~~GW-4~~ HSA-3	Date: ~~6~~ 8-21-06	Project: ~~Sears/Santa Ana~~ El Centro	Project No.: ~~20868526.G6012~~ 22238888

-Gauging Data from Top of Casing (Reference Point)

Depth to Water: 5.18	Total Well Depth: ~~37.08~~ 20.00	Water Column Height (H): 14.82	Top of Casing Elevation: 53.65

Gauging Time: 1112	Casing diameter (D)= 4 in.	1 casing volume= $(D^2)(H)(0.0408)$= gal	3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge (Low-Flow/Micro-Purge) Purge Equipment: RF2 Pump Id: Primary

Depth to Water (ft)	Time	Purge Rate ~~(gpm)~~ (ml/min)	Hz	Volume Removed ~~(gallons)~~ (ml)	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Pump set @ 12.5' Remarks
5.69	1113	400	76.7	400	6.56	53725	6.5	33.11	1.32	-73.6	Clear & colorless
5.88	1116	400	"	1600	6.14	53871	3.2	35.21	0.63	-83.1	"
6.08	1119	400	"	2800	6.08	53986	2.3	35.12	0.45	-90.3	"
6.44	1122	400	"	4000	6.10	53477	1.5	35.53	0.41	-69.7	"
6.55	1125	400	"	5200	6.11	53366	1.7	35.60	0.37	-72.1	"
	1130										Sample

Gallons = ml's/3781

Sample Rate: 400ml

Total Casing Volumes Removed: —

Total Gallons Removed: —

Sample ID.(time): HSA-3 (1130) Dup ID.: _____ ( ) Rinsate ID.: _____ ( )

Analytical Methods: ~~TPHg (8015M), Fuel Oxygenates, BTEX (8260B)~~ See COC Sampler: SB

URS

Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: HSA-5	Date: 8/21/06	Project: El Centro	Project No. 22238888

Gauging Data from Top of Casing (Reference Point)

Depth to Water: 4.50	Total Well Depth: 20.00	Water Column Height (H): 15.50	Top of Casing Elevation:

Gauging Time and Initials: 1325	Casing diameter (D)= 4 in.	1 casing volume= $(D^2)(H)(0.0408)$= gal.	3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge / Low-Flow/Micro-Purge (circled) | Purge Equipment: RF2 | Pump Id: Primary

Pump set @ 12.5'

Depth to Water	Time	mL/min Purge Rate	Hz	mL Vol. Removed	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Remarks
5.21	1327	400	74.3	400	6.99	16032	22.6	37.37	4.18	105.3	slightly cloudy
5.35	1330	400	"	1600	6.96	12360	24.1	37.16	3.75	111.1	"
5.46	1333	400	"	2800	6.99	10169	17.3	38.86	3.47	115.5	"
5.52	1336	400	"	4000	7.01	9680	16.1	39.31	3.42	120.6	" ~~clear & colorless~~
5.60	1339	400	"	5200	7.00	9239	15.7	39.46	3.39	123.8	"
5.68	1342	400	"	6400	7.02	8996	15.0	39.58	3.37	128.0	"
	1345										Sample

Gallons = ml's/3781

Sample Rate:

Total Casing Volumes Removed:

Total Gallons Removed:

Sample ID.(time): HSA-5 (1345) Dup ID.: _____ ( ) Rinsate ID.: _____ ( )

URS

Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: HSA-6	Date: 8/21/06	Project: El Centro	Project No. 22238888

Gauging Data from Top of Casing (Reference Point)

Depth to Water: 17.11	Total Well Depth: 20'	Water Column Height (H): 2.89	Top of Casing Elevation:

Gauging Time and initials: 1007 | Casing diameter (D)= 4 in. | 1 casing volume= $(D^2)(H)(0.0408)$= gal | 3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge (Low-Flow/Micro-Purge) | Purge Equipment: RF2 | Pump Id: Primary

Pump set @ 19'

Depth to Water	Time	ML/MIN Purge Rate	Hz	ML Vol. Removed	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Remarks
18.31	1023	400ml	146.1	400ml	7.69	13797	7.9	33.06	4.22	44.0	clear & colorless
	1026	—	—	—	—	—	—	—	—	—	Purged Dry
17.20	1045										Sample
											80% = 17.69

Gallons = ml's/3781

Sample Rate: .05 gpm

Total Casing Volumes Removed: —

Total Gallons Removed: —

Sample ID.(time): HSA-6 (1045) Dup ID.: _____ ( ) Rinsate ID.: _____ ( )

Analytical Methods: See COC Sampler: SB

URS

Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: HSA-7	Date: 8/21/06	Project: El Centro	Project No. 22238888

Gauging Data from Top of Casing (Reference Point)

Depth to Water: 18.09	Total Well Depth: 20.00	Water Column Height (H): 1.91	Top of Casing Elevation:

Gauging Time and Initials: 1445	Casing diameter (D)= 4 in.	1 casing volume= $(D^2)(H)(0.0408)$= gal.	3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge / Low-Flow/Micro-Purge (circled) | Purge Equipment: RF2 | Pump Id: Primary

Depth to Water	Time	mL/min Purge Rate	Hz	mL Vol. Removed	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Remarks
											Pump set @ 19'
18.56	1450	400	73.9	400	—	—	—	—	—	—	Purged Dry
											* Not enough water
											to take parameter
											readings.
											Grab sample taken
	1500										Sample

Gallons = ml's/3781

Sample Rate:

Total Casing Volumes Removed:

Total Gallons Removed:

Sample ID.(time): HSA-7 (1500) Dup ID.: _____ ( ) Rinsate ID.: _____ ( )

URS

Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: HSA-8	Date: 8/21/06	Project: EL Centro	Project No. 22238888

Gauging Data from Top of Casing (Reference Point)

Depth to Water: 5.10	Total Well Depth: 20.00	Water Column Height (H): 14.90	Top of Casing Elevation:

Gauging Time and Initials: 1410 | Casing diameter (D)= 4 in. | 1 casing volume= $(D^2)(H)(0.0408)$= gal | 3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge / Low-Flow/Micro-Purge (circled) | Purge Equipment: RF2 | Pump Id: Primary

Pump set @ 12.5'

Depth to Water	Time	mL/min Purge Rate	Hz	mL Vol. Removed	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Remarks
5.55	1412	400	74.5	400	6.45	77506	9.4	35.56	1.55	156.2	clear & colorless
5.59	1415	400	"	1600	6.38	78823	9.2	37.17	1.24	173.6	"
5.61	1418	400	"	2800	6.27	79463	9.0	38.02	0.97	177.2	"
5.67	1421	400	"	4000	6.24	79641	8.9	38.20	0.95	182.5	"
5.71	1424	400	"	5200	6.25	79591	8.3	38.73	0.99	186.9	"
	1430										Sample

Gallons = ml's/3781

Sample Rate:

Total Casing Volumes Removed:

Total Gallons Removed:

Sample ID.(time): HSA-8 (1430) Dup ID.: ( ) Rinsate ID.: ( )

URS

Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: ~~GW-3~~ HSA-14	Date: ~~6~~-21 -06	Project: ~~Sears/Santa Ana~~ El Centro	Project No. : ~~29868526.C6042~~ 22238888

-Gauging Data from Top of Casing (Reference Point)

Depth to Water: 5.45	Total Well Depth: 20.0'	Water Column Height (H): 14.55	Top of Casing Elevation: 54.00

Gauging Time: 1158 | Casing diameter (D)= 4 in. | 1 casing volume= $(D^2)(H)(0.0408)$= gal | 3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge (Low-Flow/Micro-Purge) | Purge Equipment: RFZ | Pump Id: Primary

Depth to Water (ft)	Time	Purge Rate ~~(gpm)~~ mL/min	Hz	Volume Removed ~~(gallons)~~ (ml)	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Remarks (Pump set @ 12.5')
5.94	1153	400ml	74.8	400ml	6.26	73708	15.3	31.33	4.31	123.3	clear & colorless
6.07	1156	400ml	"	1600ml	6.20	73426	13.0	32.66	4.01	131.7	"
6.16	1159	400ml	"	2800ml	6.24	73620	11.8	33.32	3.73	141.6	"
6.25	1202	400ml	"	4000ml	6.23	73811	11.2	33.45	3.67	145.8	"
6.31	1205	400ml	"	5200ml	6.24	73877	10.9	33.50	3.59	146.9	"
~~6~~	1210										Sample
											Gallons = ml's/3781
											Sample Rate: -
											Total Casing Volumes Removed: -
											Total Gallons Removed: —

Sample ID.(time): HSA-14 (1210) Dup ID.: _____ ( ) Rinsate ID.: _____ ( )

See COC

Analytical Methods: ~~TPHg (8015M); Fuel Oxygenates, BTEX (8260B)~~ Sampler: SB

URS

Groundwater Monitoring Program
Gauging Log & Development / Sampling Log

Well Number: HSA-15	Date: 8/21/06	Project: El Centro	Project No. 22238888

Gauging Data from Top of Casing (Reference Point)

Depth to Water: 4.96	Total Well Depth: 20.00	Water Column Height (H): 15.10	Top of Casing Elevation:

Gauging Time and Initials: 1245 | Casing diameter (D)= 4 in. | 1 casing volume= $(D^2)(H)(0.0408)$= gal. | 3 casing volumes= gal.

Groundwater Purge Data

Purge Method: Standard Purge (Low-Flow/Micro-Purge) | Purge Equipment: RFZ | Pump Id: Primary

Depth to Water	Time	mL/min Purge Rate	Hz	mL Vol. Removed	pH (Units)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Temp. (°C)	DO (mg/L)	ORP (mV)	Pump set @ 12.5' Remarks
5.34	1248	400mL	73.7	400ml	6.34	82219	0.8	36.37	3.41	135.9	clear & colorless
5.49	1251	400	"	1600	6.16	82269	0.4	36.34	3.11	157.2	"
5.60	1254	400	"	2800	6.17	82495	0.2	37.41	3.03	168.9	"
5.64	1257	400	"	4000	6.18	82566	0.2	38.34	2.96	181.9	"
5.67	1300	400	"	5200	6.19	82773	0.2	38.90	2.93	189.0	"
	1305										Sample

Gallons = ml's/3781

Sample Rate:

Total Casing Volumes Removed:

Total Gallons Removed:

Sample ID.(time): HSA-15 (1305) Dup ID.: _____ ( ) Rinsate ID.: _____ ( )

PROJECT NO. 22238888

DATE OF WORK 8/21/06

FIELD REPORT

REPORT NO.

PROJECT El Centro - IID PAGE 1 OF 1

Well I.D.	DTW	Time
HSA - 1	12.82	1000
2A	—	
3	5.23	0931
4A	—	
5	4.59	0940
6	17.16	0900
7	18.12	0950
8	5.17	0946
9A	—	
10	—	
11	—	
12	—	
13	—	
14	5.59	0915
15	4.98	0922

THIS FIELD REPORT ONLY PROVIDES THE RESULTS OF OBSERVATION AND TESTS BY URS CORPORATION PERSONNEL. THIS REPORT SHOULD NO BE CONSTRUED AS SUPERVISION, DIRECTION, OR A RECOMMENDATION.

TIME

CC

CC

CC

BY: Scott Bajza

RECEIVED DATE

URS
2020 EAST FIRST STREET, SUITE 400
SANTA ANA, CALIFORNIA 92705
(714) 835-6886
FAX (714) 667-7147

EQUIPCO RENTALS

YSI 6920 RENTAL
CALIBRATION CERTIFICATE

SERVICE TECHNICIAN: MS DATE: 8/18/06

RENTAL CUSTOMER: URS CORPORATION

INSTRUMENT INFORMATION

RENTAL I.D. NUMBER: YSI-6920-14
SERIALNUMBER: N/A

CALIBRATION INFORMATION

PARAMETERS:	STANDARDS:	PASS ( )	LOT#
1. CONDUCTIVITY	1000 µMhos	✓	5006
2. pH ZERO	pH 7	✓	5260
3. pH SLOPE	pH 4	✓	5278
ph SLOPE	pH 10	✓	5212
4. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	✓	n/a
5. DISSOLVED OXYGEN ZERO TEST	(sodium sulfite)	✓	
6. TURBIDITY ZERO	0.0 NTU's	✓	100A
7. TURBIDITY SPAN	20 NTU's	✓	0904050
8. REDOX (ORP)	235 mV (YSI Zobell solution)	✓	062006

17935 Sky Park Circle, Suite H, Irvine, CA 92614 Phone (949)263-0236 Fax (949)263-1306

FIELD PARAMETER FORM

WELL NUMBER	HSA 1	**JOB NUMBER**	22238880.00002
DEPTH OF WELL	14.10'	**CLIENT**	IID
CASING TYPE/DIAMETER	PVC/4"	**LOCATION**	El Centro
SCREENED INTERVAL	4.10' - 14.10' (10' Screen)	**SAMPLED BY**	D. Rector **DATE** 8/30/06
REF. POINT	Top of Casing TOC	**SIGNATURE**	[signature]

PURGING PRIOR TO SAMPLING	**FIELD pH METER MAKE/MODEL**	**CALIBRATION DATE**
	FIELD COND. METER/MAKE MODEL	**CALIBRATION DATE**

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL 12.71' from TOC	**DATE** 8/30/06	**TIME** 11:50	**ONE BOREHOLE VOLUME (Gallons)**

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE 8/30/06	**TIME OF SAMPLE** 11:56	**DEPTH OF SAMPLE** 12.71' from TOC

Sample No.	Container Types	Analysis
HSA-GW3	2-40 ml Voa	

Temp		Turb.		Cond.		pH	

COMMENTS: • No Apparent floating product with interphase probe
• No Apparent Floating product in Bailer during sampling

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

FIELD PARAMETER FORM

WELL NUMBER	HSA 3	**JOB NUMBER**	22238888.00002
DEPTH OF WELL	14.17'	**CLIENT**	IID
CASING TYPE/DIAMETER	PVC/4"	**LOCATION**	El Centro
SCREENED INTERVAL	4.17' – 14.17'	**SAMPLED BY**	D. Rector **DATE** 8/30/06
REF. POINT	Top of Casing (TOC)	**SIGNATURE**	Derek Rector

PURGING PRIOR TO SAMPLING	**FIELD pH METER MAKE/MODEL**	**CALIBRATION DATE**
	FIELD COND. METER/MAKE MODEL	**CALIBRATION DATE**

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL 5.71' from TOC	**DATE** 8/30/06	**TIME** 1:11	**ONE BOREHOLE VOLUME (Gallons)**

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE 8/30/06	**TIME OF SAMPLE** 1:17	**DEPTH OF SAMPLE** 4.17'

Sample No.	Container Types	Analysis
	2-40ml VOA's	

Temp		Turb.		Cond.		pH	

COMMENTS: • No Apparent floating product using interphase probe
• No Apparent floating product in Bailer while Sampling

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

FIELD PARAMETER FORM

WELL NUMBER HSA 5	**JOB NUMBER** 2223 8888.00002
DEPTH OF WELL 16.61	**CLIENT** IID
CASING TYPE/DIAMETER PVC/4"	**LOCATION** El Centro CA
SCREENED INTERVAL 6.6' - 16.61'	**SAMPLED BY** D. Rector **DATE** 8/30/06
REF. POINT Top of Casing	**SIGNATURE** Derek Rector

PURGING PRIOR TO SAMPLING	**FIELD pH METER MAKE/MODEL**	**CALIBRATION DATE**
	FIELD COND. METER/MAKE MODEL	**CALIBRATION DATE**

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL 4.96'	**DATE** 8/30/06	**TIME** 1:55	**ONE BOREHOLE VOLUME (Gallons)**

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE 8/30/06	**TIME OF SAMPLE** 2:01	**DEPTH OF SAMPLE** 4.96'

Sample No.	Container Types	Analysis
HSA3-GW3	2-40 ml VOA's	

Temp		Turb.		Cond.		pH	

COMMENTS:
- No Apparent Floating Product using Interphase Probe.
- No Apparent Floating Product in Bailer while Sampling.

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

FIELD PARAMETER FORM

WELL NUMBER	HSA6	JOB NUMBER	222388888.00002
DEPTH OF WELL	19.84'	CLIENT	I.E.D
CASING TYPE/DIAMETER	PVC/4"	LOCATION	El Centro CA
SCREENED INTERVAL	4.84' - 19.84'	SAMPLED BY / DATE	D. Rector / 8/30/06
REF. POINT	Top of Casing	SIGNATURE	Derek Rector

PURGING PRIOR TO SAMPLING		
	FIELD pH METER MAKE/MODEL	CALIBRATION DATE
	FIELD COND. METER/MAKE MODEL	CALIBRATION DATE

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL	DATE	TIME	ONE BOREHOLE VOLUME (Gallons)
10.50'	8/30/06	2:19	

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE	TIME OF SAMPLE	DEPTH OF SAMPLE
8/30/06	2:22	10.50'

Sample No.	Container Types	Analysis
HSA6-GW3	2-40ml VOA'S	

Temp	Turb.	Cond.	pH

COMMENTS:
- No Apparent Floating Product while using an Interphase Probe
- No Apparent Floating Product in Bailer while Sampling

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

FIELD PARAMETER FORM

WELL NUMBER	HSA 7	**JOB NUMBER**	22238888.00002
DEPTH OF WELL	18.89'	**CLIENT**	IID
CASING TYPE/DIAMETER	PVC/4"	**LOCATION**	El Centro CA
SCREENED INTERVAL	3.89' - 18.89' (15' screen)	**SAMPLED BY** D. Rector	**DATE** 8/30/06
REF. POINT	TOC (Top of Casing)	**SIGNATURE**	Derek Rector

PURGING PRIOR TO SAMPLING	**FIELD pH METER MAKE/MODEL**	**CALIBRATION DATE**
	FIELD COND. METER/MAKE MODEL	**CALIBRATION DATE**

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL 16.38' from TOC	**DATE** 8:30	**TIME** 12:16	**ONE BOREHOLE VOLUME (Gallons)**

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE 8/30/06	**TIME OF SAMPLE** 12:25	**DEPTH OF SAMPLE** 16.38'

Sample No.	Container Types	Analysis
HSA7-GW3	2-40 ml VOA's	

Temp		Turb.		Cond.		pH	

COMMENTS: • No Apparent floating product using Interphase probe
• No Apparent floating Product in Bailer while sampling

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

FIELD PARAMETER FORM

WELL NUMBER HSA 8	**JOB NUMBER** 22238888.00002
DEPTH OF WELL 19.3'	**CLIENT** IID
CASING TYPE/DIAMETER PVC/4"	**LOCATION** El Centro CA
SCREENED INTERVAL 4.3' - 19.3' (15' screen	**SAMPLED BY** D. Rector **DATE** 8/30/06
REF. POINT TOC	**SIGNATURE** [signature]

PURGING PRIOR TO SAMPLING	**FIELD pH METER MAKE/MODEL**	**CALIBRATION DATE**
	FIELD COND. METER/MAKE MODEL	**CALIBRATION DATE**

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL 5.40' from TOC	**DATE** 8/30	**TIME** 12:45	**ONE BOREHOLE VOLUME (Gallons)**

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE 8/30/06	**TIME OF SAMPLE** 12:51	**DEPTH OF SAMPLE** 4.3'

Sample No.	Container Types	Analysis
HSA8-GW3	2-40ml VOA's	

Temp		Turb.		Cond.		pH	

COMMENTS:
- No Apparent floating Product using interphase probe
- No Apparent floating Product in Bailer during Sampling
- There is Appox 1" of sediment in bottom of well

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

FIELD PARAMETER FORM

WELL NUMBER	HSA14	**JOB NUMBER**	22238888.00002
DEPTH OF WELL	19.88'	**CLIENT**	IID
CASING TYPE/DIAMETER	PVC/4"	**LOCATION**	El Centro
SCREENED INTERVAL	4.88' - 19.88' (15' screen)	**SAMPLED BY**	Derek Rector **DATE** 8/30/06
REF. POINT	Top of Casing (T.O.C.)	**SIGNATURE**	Derek Rector

PURGING PRIOR TO SAMPLING	**FIELD pH METER MAKE/MODEL**	**CALIBRATION DATE**
	FIELD COND. METER/MAKE MODEL	**CALIBRATION DATE**

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL 5.67'	**DATE** 8/30/06	**TIME** 1:32	**ONE BOREHOLE VOLUME (Gallons)**

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE 8/30/06	**TIME OF SAMPLE** 1:38	**DEPTH OF SAMPLE** 4.88'

Sample No.	Container Types	Analysis
HSA14-GW3	2-40 ml VOA's	

Temp		Turb.		Cond.		pH	

COMMENTS:
- No apparent floating product using Interphase probe.
- No Apparent floating Product in Bailer while Sampling

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

FIELD PARAMETER FORM

WELL NUMBER	MSA15	**JOB NUMBER**	222 38888.00002
DEPTH OF WELL	20.10'	**CLIENT**	IID
CASING TYPE/DIAMETER	PVC/4"	**LOCATION**	El Centro CA
SCREENED INTERVAL	5.10' - 20.10'	**SAMPLED BY**	D. Rector **DATE** 8/30/06
REF. POINT	Top of Casing	**SIGNATURE**	Dave Rector

PURGING PRIOR TO SAMPLING	**FIELD pH METER MAKE/MODEL**	**CALIBRATION DATE**
	FIELD COND. METER/MAKE MODEL	**CALIBRATION DATE**

PURGING METHOD

PUMP DISPLACEMENT/RATE

BOREHOLE VOLUME FOR 2" WELL = (0.775)*(WD-GW)

BOREHOLE VOLUME FOR 4" WELL = (1.51)*(WD-GW)

INITIAL WATER LEVEL 5.20'	**DATE** 8/30/06	**TIME** 2:37	**ONE BOREHOLE VOLUME (Gallons)**

Date	Time	Temp (C)	Spec. Cond.	pH	Turbidity	Gallons Removed	Comments (appearance of water, odor, etc.)

RECORD OF SAMPLING

SAMPLING METHOD

DATE OF SAMPLE 8/30/06	**TIME OF SAMPLE** 2:44	**DEPTH OF SAMPLE** 5.20'

Sample No.	Container Types	Analysis

Temp		Turb.		Cond.		pH	

COMMENTS:
- No Apparent Floating Product using Interphase Probe
- No Apparent Floating Product in Bailer while sampling
- water is a Little murky/cloudy

*Where WD = Well Depth, GW = Groundwater. Assumption: porosity = 25% or 0.25. Refer to San Diego County SAM Manual for sampling requirements.

URS

INVESTIGATION-DERIVED WASTE INVENTORY FORM

Project Name: IID El Centro ESA Phase II
Project Number: 22238888.00002
Client Name: Balta Aguillera
Site Location: El Centro California
Project Manager: Massoud Karimi
Site Contact: Balta Aguillera

Storage Container ID	Qty	Type of Storage Container (55-gallon Drum, Bin, etc.)	Medium Stored (Wastewater, Soils, etc.)	Date Generated	Source ID (boring, monitoring well, trench, etc., indicate depth interval	Storage Location	Labeled? (yes/no)	Waste Manifest No.	Disposal Location	Disposal Date	Other Remarks
HSA1	2	55-gal drum	Soil	8/14/06	Boring/Well	IID	yes				
HSA2	1	55-gal drum	Soil	8/14/06	Boring	IID	yes				
HSA3	1	55-gal drum	Soil	8/14/06	Boring/Well	IID	yes				
HSA4	1	55-gal drum	Soil	8/14/06	Boring	IID	yes				
HSA5	3	55-gal drum	Soil	8/17/06	Boring/Well	IID	yes				
HSA6	2	55-gal drum	Soil	8/17/06	Boring/Well	IID	yes				
HSA7	2	55-gal drum	Soil	8/15/06	Boring/Well	IID	yes				
HSA8	3	55-gal drum	Soil	8/05/06	Boring/Well	IID	yes				
HSA9	1	55-gal drum	Soil	8/15/06	Boring	IID	yes				
HSA10	1	55-gal drum	Soil	8/15/06	Boring	IID	yes				
HSA11	1	55-gal drum	Soil	8/16/06	Boring	IID	yes				
HSA12	1	55-gal drum	Soil	8/16/06	Boring	IID	yes				
HSA13	1	55-gal drum	Soil	8/16/06	Boring	IID	yes				
HSA14	2	55-gal drum	Soil	8/17/06	Boring	IID	yes				
HSA15	3	55-gal drum	Soil	8/18/06	Boring/Well	IID	yes				
Decon Water	4	55-gal drum	Water	8/18/06	Decon Trailer	IID	yes				
Purge Water	1	55-gal drum	Water	8/21/06	Monitoring Wells	IID	yes				

E. G. CHAPMAN, INC.
LAND SURVEYING & MAPPING

E. Gary Chapman, PLS 6669
P.O. Box 90167
San Diego, CA 92169

Telephone (858) 565-0473
Fax 576-9601, E-mail: egarychapman@earthlink.net

PROCEDURE OF SURVEY
IMPERIAL IRRIGATION DISTRICT
Survey of Monitoring Wells & Bore Holes

September 12, 2006

August 21, 2006 – Using Ashtech GPS Receivers, two new GPS Control Points were established at the site. The Basic Control was furnished by Imperial Irrigation in the form of an ALTA Survey Map with their Control Points listed thereon. Their Control was based on the California State Plane Coordinate System 1983, commonly called NAD 83. We verified the horizontal and vertical accuracy by including two 1st order National Geodetic Survey control stations in our GPS network.

We determined the elevations given on the ALTA Map were based on a false sea level elevation of 1000 feet, presumably so they would not have to deal with negative elevations. The Project Site is below sea level.

The elevations we measured are based on NAVD 88 and are actual ground elevations.

A Sokkia Robotic Total Station, occupying our new GPS Control was used to measure the XYZ positions of the Monitoring Wells and Borings.

This method of surveying provides horizontal and vertical accuracy that is within the GeoTracker Guidelines published by the California State Water Resources Control Board.

E. Gary Chapman, PLS 6669

E, G. CHAPMAN, INC.
5181 MT. ALIFAN DR.
SAN DIEGO, CA 92111
1-858-565-0473
Thursday, August 24, 2006 10:08:03 AM
PROJECT: C:\SURVEY 06\1368-PLANT TOPO.pro

Point Coordinates Listing

Point	North	East	Elev	Name
1	1872513.517	6779822.033	-48.95	HSA 1
2	1872563.733	6779848.334	-49.54	HSA 2A
3	1872559.836	6779877.793	-48.91	HSA 3
4	1872450.853	6779856.608	-49.17	HSA 4
5	1872446.607	6779879.746	-48.56	HSA 5
6	1872450.863	6779815.277	-48.92	HSA 6
7	1872502.827	6779793.369	-49.22	HSA 7
8	1872546.769	6779792.438	-49.48	HSA 8
9	1872568.597	6779816.876	-49.56	HSA 9A
10	1872583.849	6779925.997	-49.16	HSA 10
11	1872581.591	6779739.539	-49.33	HSA 11
13	1872435.476	6779743.955	-49.64	HSA 13
14	1872526.211	6779866.012	-48.85	HSA 14
15	1872505.254	6779727.815	-49.53	HSA 15
16	1872506.872	6779684.066	-49.05	HSA 12
24	1872495.847	6779854.057	-49.14	HA 4
25	1872511.851	6779852.089	-49.28	HA 1
26	1872513.929	6779866.486	-49.23	HA 2
27	1872495.168	6779866.878	-49.15	HA 3
80	1872507.008	6779683.970	-49.53	HSA 15 TC
81	1872546.819	6779792.429	-49.81	HSA 8 TC
82	1872513.643	6779821.927	-49.46	HSA 1 TC
83	1872559.931	6779877.853	-49.38	HSA 3 TC
84	1872526.420	6779865.928	-49.28	HSA 14 TC
85	1872451.197	6779815.247	-49.11	HSA 6 TC
86	1872446.741	6779879.705	-48.87	HSA 5 TC
87	1872502.882	6779793.312	-49.66	HSA 7 TC
90	1872582.366	6779822.824	-49.58	HSA 9
91	1872557.077	6779848.519	-49.70	HSA 2
92	1872527.009	6779856.718	-49.23	DP 1
93	1872505.153	6779837.673	-49.28	DP 4
94	1872504.280	6779868.071	-49.22	HA 5
95	1872489.369	6779858.996	-49.29	DP 3
96	1872442.385	6779856.824	-49.00	HSA 4A
97	1872444.534	6779743.071	-49.23	BH 3
102	1872507.393	6779758.878	-49.01	C 102
103	1872448.919	6779860.617	-49.01	C 103

BASE CONTROL AND ELEVATIONS WERE FURNISHED BY IMPERIAL IRRIGATION DISTRICT, STATE PLANE COORDINATE (FEET, NAD 83) USED CONTROL POINTS 200 & 210. IMPERIAL IRRIGATION CONTROL WAS VERIFIED BY GPS MEASUREMENTS TO 1ST ORDER NGS STATIONS L1362 AND IMPERIAL GPS 4.

Photograph 1

Comments:
Limited Access Rig being positioned near day tanks.

Photograph 2

Comments:
Preparing to sample from area near #2 Day Tank.

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

June 13, 2006

Massoud Karimi
URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Subject: **Calscience Work Order No.: 06-05-1519**
Client Reference: Imperial Irrigation District (IID)

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/24/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-04-2.5	**06-05-1519-23**	**05/23/06**	**Solid**	**06/08/06**	**06/09/06**	**060608L04**

Parameter	Result	RL	DF	Qual	Units
Lead	21.8	0.5	1		mg/kg

Method Blank	**097-01-002-7,722**	**N/A**	**Solid**	**06/08/06**	**06/09/06**	**060608L04**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-01	**06-05-1519-8**	**05/22/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525L04**

Parameter	Result	RL	DF	Qual	Units
Lead	1.13	0.05	5		mg/L

DP-04	**06-05-1519-16**	**05/22/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525L04**

Parameter	Result	RL	DF	Qual	Units
Lead	1.08	0.05	5		mg/L

DP-02	**06-05-1519-40**	**05/23/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525L04**

Parameter	Result	RL	DF	Qual	Units
Lead	44.9	0.0500	5		mg/L

Method Blank	**097-01-003-6,151**	**N/A**	**Aqueous**	**05/25/06**	**05/26/06**	**060525L04**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.0100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-03-0.5	**06-05-1519-1**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	61-145	

DP-03-2.5	06-05-1519-2	05/22/06	Solid	05/26/06	05/27/06	060526B04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	4.4		1	
C8	ND		1		C23-C24	3.5		1	
C9-C10	ND		1		C25-C28	7.9		1	
C11-C12	0.11		1		C29-C32	15		1	
C13-C14	3.5		1		C33-C36	11		1	
C15-C16	23		1		C37-C40	9.5		1	
C17-C18	34		1		C41-C44	9.4		1	
C19-C20	8.2		1		C7-C44 Total	130	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	61-145	

DP-03-5.0	06-05-1519-3	05/22/06	Solid	05/26/06	05/27/06	060526B04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	2.4		1	
C8	0.16		1		C23-C24	0.69		1	
C9-C10	2.8		1		C25-C28	0.17		1	
C11-C12	41		1		C29-C32	ND		1	
C13-C14	77		1		C33-C36	ND		1	
C15-C16	110		1		C37-C40	ND		1	
C17-C18	89		1		C41-C44	2.0		1	
C19-C20	20		1		C7-C44 Total	340	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-03-10	**06-05-1519-4**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	0.85		1	
C8	ND		1		C23-C24	0.31		1	
C9-C10	0.36		1		C25-C28	0.036		1	
C11-C12	3.8		1		C29-C32	ND		1	
C13-C14	9.2		1		C33-C36	ND		1	
C15-C16	18		1		C37-C40	ND		1	
C17-C18	16		1		C41-C44	ND		1	
C19-C20	4.1		1		C7-C44 Total	52	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	118	61-145	

DP-01-0.5	**06-05-1519-5**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		20		C21-C22	120		20	
C8	5.3		20		C23-C24	160		20	
C9-C10	2.4		20		C25-C28	290		20	
C11-C12	ND		20		C29-C32	390		20	
C13-C14	1.0		20		C33-C36	300		20	
C15-C16	13		20		C37-C40	210		20	
C17-C18	42		20		C41-C44	190		20	
C19-C20	90		20		C7-C44 Total	1800	100	20	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	124	61-145	

DP-01-2.5	**06-05-1519-6**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	113	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-01-5.0	**06-05-1519-7**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	144	61-145	

DP-02-0.5	**06-05-1519-9**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		5		C21-C22	350		5	
C8	1.1		5		C23-C24	570		5	
C9-C10	0.40		5		C25-C28	1300		5	
C11-C12	ND		5		C29-C32	1300		5	
C13-C14	1.8		5		C33-C36	450		5	
C15-C16	7.6		5		C37-C40	150		5	
C17-C18	48		5		C41-C44	91		5	
C19-C20	180		5		C7-C44 Total	4500	25	5	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	61-145	

DP-02-2.5	**06-05-1519-10**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	5.3		1	
C8	0.11		1		C23-C24	7.5		1	
C9-C10	0.034		1		C25-C28	20		1	
C11-C12	ND		1		C29-C32	20		1	
C13-C14	0.012		1		C33-C36	6.1		1	
C15-C16	0.30		1		C37-C40	4.0		1	
C17-C18	0.92		1		C41-C44	2.6		1	
C19-C20	2.6		1		C7-C44 Total	70	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	143	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-02-5.0	**06-05-1519-11**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	145	61-145	

HA-05-0.5	**06-05-1519-12**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		400		C21-C22	2100		400	
C8	130		400		C23-C24	2400		400	
C9-C10	56		400		C25-C28	4500		400	
C11-C12	ND		400		C29-C32	5600		400	
C13-C14	200		400		C33-C36	3800		400	
C15-C16	740		400		C37-C40	4400		400	
C17-C18	1400		400		C41-C44	2700		400	
C19-C20	1800		400		C7-C44 Total	30000	2000	400	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

DP-04-0.5	**06-05-1519-13**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		40		C21-C22	2500		40	
C8	ND		40		C23-C24	3000		40	
C9-C10	ND		40		C25-C28	6900		40	
C11-C12	ND		40		C29-C32	5200		40	
C13-C14	8.3		40		C33-C36	3300		40	
C15-C16	96		40		C37-C40	1700		40	
C17-C18	330		40		C41-C44	1300		40	
C19-C20	1500		40		C7-C44 Total	26000	200	40	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	124	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-04-2.5	**06-05-1519-14**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		20		C21-C22	80		20	
C8	8.7		20		C23-C24	89		20	
C9-C10	4.2		20		C25-C28	210		20	
C11-C12	ND		20		C29-C32	230		20	
C13-C14	3.4		20		C33-C36	200		20	
C15-C16	15		20		C37-C40	170		20	
C17-C18	43		20		C41-C44	100		20	
C19-C20	61		20		C7-C44 Total	1200	100	20	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	61-145	

DP-04-5.0	**06-05-1519-15**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	0.12		1		C21-C22	3.6		1	
C8	0.33		1		C23-C24	1.2		1	
C9-C10	18		1		C25-C28	0.87		1	
C11-C12	220		1		C29-C32	1.7		1	
C13-C14	250		1		C33-C36	0.076		1	
C15-C16	280		1		C37-C40	0.15		1	
C17-C18	230		1		C41-C44	2.9		1	
C19-C20	55		1		C7-C44 Total	1100	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	114	61-145	

HA-01-0.5	**06-05-1519-17**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		100		C21-C22	400		100	
C8	33		100		C23-C24	510		100	
C9-C10	15		100		C25-C28	950		100	
C11-C12	4.8		100		C29-C32	1300		100	
C13-C14	34		100		C33-C36	1000		100	
C15-C16	110		100		C37-C40	1200		100	
C17-C18	220		100		C41-C44	1100		100	
C19-C20	310		100		C7-C44 Total	7200	500	100	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	133	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-01-2.5	**06-05-1519-18**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	0.82		1	
C8	ND		1		C23-C24	0.38		1	
C9-C10	ND		1		C25-C28	0.21		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	0.095		1		C33-C36	ND		1	
C15-C16	1.0		1		C37-C40	ND		1	
C17-C18	4.5		1		C41-C44	ND		1	
C19-C20	1.8		1		C7-C44 Total	8.9	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	61-145	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-02-0.5	**06-05-1519-19**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	0.76		1	
C8	ND		1		C23-C24	0.43		1	
C9-C10	ND		1		C25-C28	0.18		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	0.046		1		C33-C36	ND		1	
C15-C16	0.67		1		C37-C40	ND		1	
C17-C18	1.7		1		C41-C44	ND		1	
C19-C20	1.5		1		C7-C44 Total	5.2	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	61-145	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-02-2.5	**06-05-1519-20**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	0.76		1	
C8	ND		1		C23-C24	0.23		1	
C9-C10	ND		1		C25-C28	0.15		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	0.010		1		C33-C36	ND		1	
C15-C16	0.27		1		C37-C40	ND		1	
C17-C18	0.64		1		C41-C44	ND		1	
C19-C20	0.59		1		C7-C44 Total	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-04-10	**06-05-1519-21**	**05/22/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	0.77		1	
C8	ND		1		C23-C24	0.21		1	
C9-C10	1.5		1		C25-C28	0.021		1	
C11-C12	9.3		1		C29-C32	ND		1	
C13-C14	12		1		C33-C36	ND		1	
C15-C16	21		1		C37-C40	ND		1	
C17-C18	20		1		C41-C44	ND		1	
C19-C20	5.0		1		C7-C44 Total	69	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	121	61-145	

HA-04-0.5	**06-05-1519-22**	**05/23/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	140		1	
C8	ND		1		C23-C24	58		1	
C9-C10	0.17		1		C25-C28	35		1	
C11-C12	21		1		C29-C32	21		1	
C13-C14	100		1		C33-C36	12		1	
C15-C16	290		1		C37-C40	5.5		1	
C17-C18	430		1		C41-C44	7.0		1	
C19-C20	280		1		C7-C44 Total	1400	5	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	61-145	

HA-04-2.5	**06-05-1519-23**	**05/23/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		200		C21-C22	610		200	
C8	ND		200		C23-C24	480		200	
C9-C10	1300		200		C25-C28	880		200	
C11-C12	13000		200		C29-C32	1100		200	
C13-C14	14000		200		C33-C36	450		200	
C15-C16	15000		200		C37-C40	510		200	
C17-C18	13000		200		C41-C44	530		200	
C19-C20	4500		200		C7-C44 Total	66000	1000	200	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HA-03-0.5	**06-05-1519-24**	**05/23/06**	**Solid**	**05/26/06**	**05/27/06**	**060526B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		20		C21-C22	65		20	
C8	ND		20		C23-C24	37		20	
C9-C10	ND		20		C25-C28	180		20	
C11-C12	ND		20		C29-C32	180		20	
C13-C14	3.2		20		C33-C36	130		20	
C15-C16	18		20		C37-C40	86		20	
C17-C18	19		20		C41-C44	78		20	
C19-C20	81		20		C7-C44 Total	880	100	20	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	61-145	

HA-03-2.5	06-05-1519-25	05/23/06	Solid	05/26/06	05/27/06	060526B05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		20		C21-C22	49		20	
C8	ND		20		C23-C24	69		20	
C9-C10	ND		20		C25-C28	200		20	
C11-C12	ND		20		C29-C32	340		20	
C13-C14	4.7		20		C33-C36	240		20	
C15-C16	9.6		20		C37-C40	160		20	
C17-C18	18		20		C41-C44	220		20	
C19-C20	50		20		C7-C44 Total	1400	100	20	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	61-145	

HA-06-2.5	06-05-1519-39	05/23/06	Solid	05/26/06	05/27/06	060526B05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range
		Units:	mg/kg

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-03-002-5,500**	**N/A**	**Solid**	**05/26/06**	**05/26/06**	**060526B04**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	61-145	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-03-002-5,502**	**N/A**	**Solid**	**05/26/06**	**05/26/06**	**060526B05**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3510C
		Method:	TPH - Carbon Range
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-01	**06-05-1519-8**	**05/22/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525B12**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	330		1	
C8	ND		1		C23-C24	210		1	
C9-C10	ND		1		C25-C28	270		1	
C11-C12	44		1		C29-C32	230		1	
C13-C14	89		1		C33-C36	31		1	
C15-C16	150		1		C37-C40	ND		1	
C17-C18	170		1		C41-C44	ND		1	
C19-C20	230		1		C7-C44 Total	1800	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	135	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-04	**06-05-1519-16**	**05/22/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525B12**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		60		C21-C22	8600		60	
C8	ND		60		C23-C24	4000		60	
C9-C10	23000		60		C25-C28	4000		60	
C11-C12	230000		60		C29-C32	6200		60	
C13-C14	240000		60		C33-C36	3200		60	
C15-C16	240000		60		C37-C40	190		60	
C17-C18	210000		60		C41-C44	ND		60	
C19-C20	48000		60		C7-C44 Total	1000000	30000	60	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	82	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-02	**06-05-1519-40**	**05/23/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525B12**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	1100		1	
C8	ND		1		C23-C24	1600		1	
C9-C10	4.1		1		C25-C28	1900		1	
C11-C12	150		1		C29-C32	1600		1	
C13-C14	480		1		C33-C36	510		1	
C15-C16	1200		1		C37-C40	190		1	
C17-C18	1300		1		C41-C44	140		1	
C19-C20	1700		1		C7-C44 Total	12000	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3510C
		Method:	TPH - Carbon Range
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-03-039-1,414**	**N/A**	**Aqueous**	**05/25/06**	**05/25/06**	**060525B12**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	DHS LUFT
		Method:	DHS LUFT

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-01	**06-05-1519-8**	**05/22/06**	**Aqueous**	**05/30/06**	**05/30/06**	**060530L08**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	0.300	1		mg/L

DP-04	**06-05-1519-16**	**05/22/06**	**Aqueous**	**05/30/06**	**05/30/06**	**060530L08**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	0.300	1		mg/L

DP-02	**06-05-1519-40**	**05/23/06**	**Aqueous**	**05/30/06**	**05/30/06**	**060530L08**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	0.300	1		mg/L

Method Blank	**099-10-019-218**	**N/A**	**Aqueous**	**05/30/06**	**05/30/06**	**060530L08**

Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	0.300	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3510B
		Method:	EPA 8270C
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-01	**06-05-1519-8**	**05/22/06**	**Aqueous**	**05/25/06**	**06/01/06**	**060525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	40	7-121		Phenol-d6	28	1-127	
Nitrobenzene-d5	59	50-146		2-Fluorobiphenyl	54	42-138	
2,4,6-Tribromophenol	66	41-137		p-Terphenyl-d14	99	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3510B
		Method:	EPA 8270C
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-04	**06-05-1519-16**	**05/22/06**	**Aqueous**	**05/25/06**	**06/01/06**	**060525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	20	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	23	7-121		Phenol-d6	15	1-127	
Nitrobenzene-d5	74	50-146		2-Fluorobiphenyl	42	42-138	
2,4,6-Tribromophenol	89	41-137		p-Terphenyl-d14	66	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3510B
		Method:	EPA 8270C
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-02	**06-05-1519-40**	**05/23/06**	**Aqueous**	**05/25/06**	**06/01/06**	**060525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	42	7-121		Phenol-d6	30	1-127	
Nitrobenzene-d5	62	50-146		2-Fluorobiphenyl	57	42-138	
2,4,6-Tribromophenol	70	41-137		p-Terphenyl-d14	117	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3510B
		Method:	EPA 8270C
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-003-1,939**	**N/A**	**Aqueous**	**05/25/06**	**05/30/06**	**060525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
N-Nitrosodimethylamine	ND	10	1		4-Nitrophenol	ND	10	1	
Aniline	ND	10	1		Dibenzofuran	ND	10	1	
Phenol	ND	10	1		2,4-Dinitrotoluene	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2,6-Dinitrotoluene	ND	10	1	
2-Chlorophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		4-Chlorophenyl-Phenyl Ether	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Fluorene	ND	10	1	
Benzyl Alcohol	ND	10	1		4-Nitroaniline	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Azobenzene	ND	10	1	
2-Methylphenol	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
3/4-Methylphenol	ND	10	1		4-Bromophenyl-Phenyl Ether	ND	10	1	
N-Nitroso-di-n-propylamine	ND	10	1		Hexachlorobenzene	ND	10	1	
Hexachloroethane	ND	10	1		Pentachlorophenol	ND	10	1	
Nitrobenzene	ND	25	1		Phenanthrene	ND	10	1	
Isophorone	ND	10	1		Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Fluoranthene	ND	10	1	
Benzoic Acid	ND	50	1		Benzidine	ND	50	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Pyrene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Pyridine	ND	10	1	
Naphthalene	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
4-Chloroaniline	ND	10	1		3,3'-Dichlorobenzidine	ND	25	1	
Hexachloro-1,3-Butadiene	ND	10	1		Benzo (a) Anthracene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Chrysene	ND	10	1	
Hexachlorocyclopentadiene	ND	25	1		Di-n-Octyl Phthalate	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2-Chloronaphthalene	ND	10	1		Benzo (a) Pyrene	ND	10	1	
2-Nitroaniline	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
Dimethyl Phthalate	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthylene	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
3-Nitroaniline	ND	10	1		1-Methylnaphthalene	ND	10	1	
Acenaphthene	ND	10	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dinitrophenol	ND	50	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	52	7-121		Phenol-d6	35	1-127	
Nitrobenzene-d5	79	50-146		2-Fluorobiphenyl	76	42-138	
2,4,6-Tribromophenol	100	41-137		p-Terphenyl-d14	61	47-173	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-01	**06-05-1519-8**	**05/22/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	45	1	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	107	88-112		1,4-Bromofluorobenzene	89	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-04	**06-05-1519-16**	**05/22/06**	**Aqueous**	**05/25/06**	**05/26/06**	**060525L03**

Comment(s): -The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1000	100		1,3-Dichloropropane	ND	100	100	
Benzene	ND	50	100		2,2-Dichloropropane	ND	100	100	
Bromobenzene	ND	100	100		1,1-Dichloropropene	ND	100	100	
Bromochloromethane	ND	100	100		c-1,3-Dichloropropene	ND	50	100	
Bromodichloromethane	ND	100	100		t-1,3-Dichloropropene	ND	50	100	
Bromoform	ND	100	100		Ethylbenzene	ND	100	100	
Bromomethane	ND	1000	100		2-Hexanone	ND	1000	100	
2-Butanone	ND	1000	100		Isopropylbenzene	ND	100	100	
n-Butylbenzene	ND	100	100		p-Isopropyltoluene	ND	100	100	
sec-Butylbenzene	ND	100	100		Methylene Chloride	ND	1000	100	
tert-Butylbenzene	ND	100	100		4-Methyl-2-Pentanone	ND	1000	100	
Carbon Disulfide	ND	1000	100		Naphthalene	ND	1000	100	
Carbon Tetrachloride	ND	50	100		n-Propylbenzene	ND	100	100	
Chlorobenzene	ND	100	100		Styrene	ND	100	100	
Chloroethane	ND	100	100		1,1,1,2-Tetrachloroethane	ND	100	100	
Chloroform	ND	100	100		1,1,2,2-Tetrachloroethane	ND	100	100	
Chloromethane	ND	1000	100		Tetrachloroethene	ND	100	100	
2-Chlorotoluene	ND	100	100		Toluene	ND	100	100	
4-Chlorotoluene	ND	100	100		1,2,3-Trichlorobenzene	ND	100	100	
Dibromochloromethane	ND	100	100		1,2,4-Trichlorobenzene	ND	100	100	
1,2-Dibromo-3-Chloropropane	ND	500	100		1,1,1-Trichloroethane	ND	100	100	
1,2-Dibromoethane	ND	100	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	100	
Dibromomethane	ND	100	100		1,1,2-Trichloroethane	ND	100	100	
1,2-Dichlorobenzene	ND	100	100		Trichloroethene	ND	100	100	
1,3-Dichlorobenzene	ND	100	100		Trichlorofluoromethane	ND	1000	100	
1,4-Dichlorobenzene	ND	100	100		1,2,3-Trichloropropane	ND	500	100	
Dichlorodifluoromethane	ND	100	100		1,2,4-Trimethylbenzene	ND	100	100	
1,1-Dichloroethane	ND	100	100		1,3,5-Trimethylbenzene	ND	100	100	
1,2-Dichloroethane	ND	50	100		Vinyl Acetate	ND	1000	100	
1,1-Dichloroethene	ND	100	100		Vinyl Chloride	ND	50	100	
c-1,2-Dichloroethene	ND	100	100		p/m-Xylene	ND	100	100	
t-1,2-Dichloroethene	ND	100	100		o-Xylene	ND	100	100	
1,2-Dichloropropane	ND	100	100		Methyl-t-Butyl Ether (MTBE)	ND	100	100	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	117	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	108	88-112		1,4-Bromofluorobenzene	97	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
DP-02	**06-05-1519-40**	**05/23/06**	**Aqueous**	**05/26/06**	**05/26/06**	**060526L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	19	10	1	B	1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	63	1	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	74-140		1,2-Dichloroethane-d4	97	74-146	
Toluene-d8	106	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-18,066**	**N/A**	**Aqueous**	**05/25/06**	**05/26/06**	**060525L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	10	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	100	74-146	
Toluene-d8	104	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	05/24/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Imperial Irrigation District (IID)

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-18,071**	**N/A**	**Aqueous**	**05/26/06**	**05/26/06**	**060526L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	11	10	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	20	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	98	74-146	
Toluene-d8	93	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	05/24/06
Work Order No:	06-05-1519
Preparation:	EPA 3050B
Method:	EPA 6010B

Project Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-06-0463-2	**Solid**	**ICP 3300**	**06/08/06**	**06/09/06**	**060608S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	96	111	75-125	12	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	05/24/06
Work Order No:	06-05-1519
Preparation:	EPA 3010A Total
Method:	EPA 6010B

Project Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-05-1498-9	**Aqueous**	**ICP 3300**	**05/25/06**	**05/26/06**	**060525S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	114	114	84-120	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	05/24/06
Work Order No:	06-05-1519
Preparation:	EPA 3550B
Method:	TPH - Carbon Range

Project Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DP-01-2.5	**Solid**	**GC 3**	**05/26/06**	**05/26/06**	**060526S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	99	93	64-130	7	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	05/24/06
Work Order No:	06-05-1519
Preparation:	EPA 3550B
Method:	TPH - Carbon Range

Project Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-05-1623-10	**Solid**	**GC 3**	**05/26/06**	**05/26/06**	**060526S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	91	80	64-130	12	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	05/24/06
Work Order No:	06-05-1519
Preparation:	DHS LUFT
Method:	DHS LUFT

Project Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-05-1392-1	**Aqueous**	**FLAA**	**05/30/06**	**05/30/06**	**060530S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	67	67	25-121	0	0-11	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	05/24/06
Work Order No:	06-05-1519
Preparation:	EPA 5030B
Method:	EPA 8260B

Project Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-05-1523-1	**Aqueous**	**GC/MS U**	**05/25/06**	**05/26/06**	**060525S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	88-118	1	0-7	
Carbon Tetrachloride	104	110	67-145	5	0-11	
Chlorobenzene	107	105	88-118	2	0-7	
1,2-Dichlorobenzene	109	111	86-116	1	0-8	
1,1-Dichloroethene	70	66	70-130	1	0-25	3
Toluene	108	107	87-123	1	0-8	
Trichloroethene	91	93	79-127	1	0-10	
Vinyl Chloride	99	107	69-129	8	0-13	
Methyl-t-Butyl Ether (MTBE)	97	105	71-131	8	0-13	
Tert-Butyl Alcohol (TBA)	100	115	36-168	14	0-45	
Diisopropyl Ether (DIPE)	95	99	81-123	5	0-9	
Ethyl-t-Butyl Ether (ETBE)	95	103	72-126	8	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	100	72-126	5	0-12	
Ethanol	84	95	53-149	12	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	05/24/06
Work Order No:	06-05-1519
Preparation:	EPA 5030B
Method:	EPA 8260B

Project Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-05-1591-4	**Aqueous**	**GC/MS U**	**05/26/06**	**05/26/06**	**060526S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	88-118	3	0-7	
Carbon Tetrachloride	119	97	67-145	20	0-11	4
Chlorobenzene	106	104	88-118	2	0-7	
1,2-Dichlorobenzene	95	97	86-116	1	0-8	
1,1-Dichloroethene	111	82	70-130	27	0-25	4
Toluene	95	105	87-123	10	0-8	4
Trichloroethene	112	68	79-127	6	0-10	3
Vinyl Chloride	95	94	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	108	88	71-131	21	0-13	4
Tert-Butyl Alcohol (TBA)	107	98	36-168	9	0-45	
Diisopropyl Ether (DIPE)	100	84	81-123	17	0-9	4
Ethyl-t-Butyl Ether (ETBE)	104	86	72-126	18	0-12	4
Tert-Amyl-Methyl Ether (TAME)	102	93	72-126	9	0-12	
Ethanol	74	78	53-149	5	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

URS Corporation		Date Received:	N/A
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-7,722	**Solid**	**ICP 3300**	**06/09/06**	**060608-I-04**	**060608L04**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Lead	25.0	26.8	107	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

URS Corporation		Date Received:	N/A
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-6,151	**Aqueous**	**ICP 3300**	**05/26/06**	**060525-I-04**	**060525L04**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Lead	0.500	0.561	112	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation		Date Received:	N/A
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	EPA 3550B
		Method:	TPH - Carbon Range

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-002-5,500	**Solid**	**GC 3**	**05/26/06**	**05/26/06**	**060526B04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	81	83	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	N/A
Work Order No:	06-05-1519
Preparation:	EPA 3550B
Method:	TPH - Carbon Range

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-002-5,502	**Solid**	**GC 3**	**05/26/06**	**05/26/06**	**060526B05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	84	81	75-123	3	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	N/A
Work Order No:	06-05-1519
Preparation:	EPA 3510C
Method:	TPH - Carbon Range

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-039-1,414	**Aqueous**	**GC 15**	**05/25/06**	**05/26/06**	**060525B12**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	98	100	75-117	2	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

URS Corporation		Date Received:	N/A
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-05-1519
San Diego, CA 92108-4319		Preparation:	DHS LUFT
		Method:	DHS LUFT

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-019-218	**Aqueous**	**FLAA**	**05/30/06**	**NONE**	**060530L08**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	3.13	3.24	104	57-135	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	N/A
Work Order No:	06-05-1519
Preparation:	EPA 3510B
Method:	EPA 8270C

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-1,939	**Aqueous**	**GC/MS J**	**05/25/06**	**05/30/06**	**060525L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	37	37	4-142	0	0-24	
2-Chlorophenol	62	62	53-113	1	0-17	
1,4-Dichlorobenzene	65	65	50-122	0	0-19	
N-Nitroso-di-n-propylamine	69	67	56-146	2	0-22	
4-Chloro-3-Methylphenol	61	57	55-121	7	0-18	
Acenaphthene	63	65	55-139	2	0-17	
4-Nitrophenol	37	37	1-145	1	0-29	
2,4-Dinitrotoluene	64	65	41-161	1	0-22	
Pentachlorophenol	65	68	34-130	4	0-23	
Pyrene	48	47	38-170	1	0-27	
1,2,4-Trichlorobenzene	62	62	49-121	0	0-19	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	N/A
Work Order No:	06-05-1519
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-18,066	**Aqueous**	**GC/MS U**	**05/25/06**	**05/25/06**	**060525L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	99	84-120	6	0-8	
Carbon Tetrachloride	97	104	63-147	7	0-10	
Chlorobenzene	98	105	89-119	7	0-7	
1,2-Dichlorobenzene	99	108	89-119	9	0-9	
1,1-Dichloroethene	88	93	77-125	5	0-16	
Toluene	98	106	83-125	7	0-9	
Trichloroethene	92	97	89-119	5	0-8	
Vinyl Chloride	105	105	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	88	92	82-118	5	0-13	
Tert-Butyl Alcohol (TBA)	79	86	46-154	9	0-32	
Diisopropyl Ether (DIPE)	86	92	81-123	7	0-11	
Ethyl-t-Butyl Ether (ETBE)	86	91	74-122	6	0-12	
Tert-Amyl-Methyl Ether (TAME)	87	92	76-124	6	0-10	
Ethanol	78	79	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	N/A
Work Order No:	06-05-1519
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Imperial Irrigation District (IID)

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-18,071	**Aqueous**	**GC/MS U**	**05/26/06**	**05/26/06**	**060526L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	84-120	1	0-8	
Carbon Tetrachloride	94	94	63-147	0	0-10	
Chlorobenzene	104	103	89-119	1	0-7	
1,2-Dichlorobenzene	105	105	89-119	0	0-9	
1,1-Dichloroethene	83	82	77-125	2	0-16	
Toluene	105	103	83-125	2	0-9	
Trichloroethene	97	96	89-119	1	0-8	
Vinyl Chloride	89	87	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	87	84	82-118	3	0-13	
Tert-Butyl Alcohol (TBA)	82	80	46-154	2	0-32	
Diisopropyl Ether (DIPE)	84	82	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	85	85	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	89	76-124	3	0-10	
Ethanol	70	71	60-138	2	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-05-1519

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 24 May 06

Page 1 of 4 5

LABORATORY CLIENT: URS CORP

ADDRESS: 1615 MURRAY CANYON RD #1000

CITY: SAN DIEGO STATE: CA ZIP: 92108

TEL: 619 294 9400 FAX: 619 293 7920 E-MAIL:

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: IMPERIAL IRRIGATION DIST (IID)

PROJECT CONTACT: MASSOUD KAHMI

SAMPLER(S): (SIGNATURE)

COELT LOG CODE

P.O. NO.:

LAB USE ONLY: 05-1519

COOLER RECEIPT ✓

TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	TPH CC Extraction Rinse	TOTAL Pb 6010	ORGANIC Pb (LUFT)		
	DP-03-0.5		22 May 06	1115	SOIL	1														X				
	DP-03-2.5			1148																X				
	DP-03-5.0			1205																X				
	DP-03-10			1225																X				
	DP-01-0.5			1135																X				
	DP-01-2.5			1345																X				
	DP-01-5.0			1419																X				
	DP-01			1915	H_2O	7					X		X							X	X	X		
	DP-02-0.5			1145																X				
	DP-02-2.5			1455																X				

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	5/24/06	1525
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date:	Time:
	COL	5/24/06	1635

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10/20/04 Revision

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7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 24 MAY 06

Page 2 of 4 5

LABORATORY CLIENT: URS CORP

ADDRESS:

CITY STATE ZIP

TEL: FAX: E-MAIL:

CLIENT PROJECT NAME / NUMBER: IID

PROJECT CONTACT: MASSOUD KAMRANI

SAMPLER(S): (SIGNATURE)

COELT LOG CODE

P.O. NO.:

LAB USE ONLY 05-1519

COOLER RECEIPT TEMP = °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	TPH CC	TOTAL Pb 6010	DISSOLVED Pb (WET)		
	DP-02-5.0		22 MAY 06	1525	SOIL	1														X				
	HA-05-0.5			1935		1														X				
	DP-04-0.5			1125		1														X				
	DP-04-2.5			1200		1														X				
	DP-04-5.0			1240		1														X				
	DP-04			1815	H_2O	7					X		X							X	X	X		
	HA-01-0.5			1405	SOIL	1														X				
	HA-01-2.5			1824		1														X				
	HA-02-0.5			1520		1														X				
*	HA-02-2.5			1520		1														X				

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	5/24/6	1205
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature) CEL	5/24/6	1635

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10/20/04 Revision

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7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 24 MAY 06

LABORATORY CLIENT: URS CORP

ADDRESS:

CITY STATE ZIP

TEL: FAX: E-MAIL:

CLIENT PROJECT NAME / NUMBER: IID

PROJECT CONTACT: MASSOUD KAMINI

SAMPLER(S): (SIGNATURE)

COELT LOG CODE

P.O. NO.:

LAB USE ONLY 05-1519

COOLER RECEIPT TEMP = °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	TPH CC	TOTAL Pb 6010	ORGANIC Pb (LUFT)		
	DP-04-10		22MAY06	1330	SOIL	1														X				
	HA-04-0.5		23MAY06	0740		1														X				
	HA-04-2.5			0750		1														X				
	HA-03-0.5			0820		1														X				
	HA-03-2.5			0825		1														X				
	T-HA-01-05			1100		1																		
	T-HA-01-2.5			1137		1																		
	T-HA-01-05			1149		1																		
	T-HA-02-0.5			1015		1																		
	T-HA-02-2.5			1025		1																		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEL	5/24/6	1235
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature) COL	5/24/6	1635

DISTRIBUTION: When with final report, Green to file, Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

10/20/04 Revision

Q&Q Graphic 714-898-9702

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 24 May 06

Page 4 of 45

LABORATORY CLIENT: URS Corp

ADDRESS:

CITY | STATE | ZIP

TEL: | FAX: | E-MAIL:

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: IID

PROJECT CONTACT: Massoud Kamini

SAMPLER(S): (SIGNATURE) [signature]

COELT LOG CODE ☐☐☐☐

P.O. NO.:

LAB USE ONLY: 05-1519

COOLER RECEIPT TEMP = ____ °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ___	BTEX / MTBE (8260B) or ___	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747 ___	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	TPH CC	TOTAL Pb 6010	ORGANIC Pb (LUFT)
	T-HA-03-0.5		23 May 06	1023	Soil	1																
	T-HA-03-2.5			1030		1																
	T-HA-03-04			1105		1																
	T-HA-04-0.5			1045		1																
	T-HA-04-2.5			1109		1																
	T-HA-04-04			1119		1																
	T-HA-05-0.5			1130		1																
	HA-06-0.5			1244		1																
	HA-06-2.5			1235		1														X		
	DP-02			1350	H_2O	7					X		X							X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] CEL	5/24/6	1225
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) [signature]	Received for Laboratory by: (Signature) [signature] CEL	5/24/6	1635

DISTRIBUTION: When with final report, Green to file, Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

10/20/04 Revision

Q&O Graphic 714-898-9702

CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 24 MAY 06

Page 5 of 5

LABORATORY CLIENT: URS

ADDRESS:

CITY STATE ZIP

TEL: FAX: E-MAIL:

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ COELT REPORTING

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: 110

P.O. NO.:

PROJECT CONTACT: MASSOUD KAMMI

LAB USE ONLY: 05-1519

SAMPLER(S): (SIGNATURE)

COELT LOG CODE

COOLER RECEIPT TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	VOCs (8260B)	VOCs (5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)	HCl				
	WASTE-01		23 MAY 06	1410	SOIL	1														X				

Relinquished by: (Signature)	Received by: (Signature) CEL	Date: 5/24/06	Time: 1225
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received for Laboratory by: (Signature) CEL	Date: 5/24/06	Time: 1635

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.

09/10/01 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 05 - 1519

Cooler 1 of 2

SAMPLE RECEIPT FORM

CLIENT: URS

DATE: 5/24/6

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

✓ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.8 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 05 - 1519

Cooler 2 of 2

SAMPLE RECEIPT FORM

CLIENT: URS

DATE: 5/24/6

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

✓ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.8 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

MOBILE GEOCHEMISTRY

H&P

September 5, 2006

Mr. Massoud Karimi
URS
1615 Murray Canyon Road
Suite 1000
San Diego, CA 92108

SUBJECT: DATA REPORT – EL CENTRO GENERATING STATION – 485 EAST VILLA AVENUE – EL CENTRO, CA – URS PROJECT #222348.00002

H&P Project # UR081506-W1

Mr. Karimi:

Please find enclosed a data report for the above referenced location. Samples were analyzed on-site in DOHS certified mobile laboratory (CERT #1317).

Project Summary

The following analyses were conducted:

- 35 soils & 20 waters for total petroleum hydrocarbons (TPH) by DHS LUFT/8015M Method

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile GeoChemistry appreciates the opportunity to provide analytical services to URS on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

2470 Impala Drive, Carlsbad, California 92010 | 760.804.9678 — Fax 760.804.9159
3825 Industry Avenue, Lakewood, California 90712 | 562.426.6991 — Fax 562.426.6995
www.HandPmg.com | 1-800-834-9888

MOBILE GEOCHEMISTRY H&P

URS 1615 Murray Canyon Rd., Ste. 1000 San Diego CA, 92108	Project: UR081506-W1 Project Number: 222348.00002 Project Manager: Mr. Massoud Karimi	Reported: 05-Sep-06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HSA-1-3	E608043-03	Soil	14-Aug-06	15-Aug-06
HSA-1-6	E608043-06	Soil	14-Aug-06	15-Aug-06
HSA-1-7	E608043-07	Soil	14-Aug-06	15-Aug-06
HSA-2-3	E608043-12	Soil	14-Aug-06	15-Aug-06
HSA-3-3	E608043-16	Soil	14-Aug-06	15-Aug-06
HSA-3-6	E608043-19	Soil	14-Aug-06	15-Aug-06
HSA-5-3	E608043-29	Soil	15-Aug-06	15-Aug-06
HSA-5-6	E608043-32	Soil	15-Aug-06	15-Aug-06
HSA-2A-3	E608043-38	Soil	14-Aug-06	15-Aug-06
HSA-2A-6	E608043-41	Soil	14-Aug-06	15-Aug-06
HSA-4A-3	E608043-47	Soil	15-Aug-06	15-Aug-06
HSA-4A-6	E608043-50	Soil	15-Aug-06	15-Aug-06
BH-3	E608043-54	Water	14-Aug-06	15-Aug-06
HSA-1-GW1	E608043-55	Water	15-Aug-06	15-Aug-06
HSA-3-GW1	E608043-56	Water	15-Aug-06	15-Aug-06
HSA-6-3	E608043-59	Soil	15-Aug-06	15-Aug-06
HSA-6-6	E608043-62	Soil	15-Aug-06	15-Aug-06
HSA-7-3	E608043-68	Soil	15-Aug-06	15-Aug-06
HSA-7-6	E608043-71	Soil	15-Aug-06	15-Aug-06
HSA-7-7	E608043-72	Soil	15-Aug-06	15-Aug-06
HSA-7-8	E608043-73	Soil	15-Aug-06	15-Aug-06
HSA-8-3	E608043-77	Soil	15-Aug-06	15-Aug-06
HSA-8-6	E608043-80	Soil	15-Aug-06	15-Aug-06
HSA-9A-3	E608043-88	Soil	15-Aug-06	15-Aug-06
HSA-9A-6	E608043-91	Soil	15-Aug-06	15-Aug-06
HSA-9A-7	E608043-92	Soil	15-Aug-06	15-Aug-06
HSA-6-GW1	E608043-95	Water	15-Aug-06	15-Aug-06
HSA-7-GW1	E608043-96	Water	15-Aug-06	15-Aug-06

MOBILE GEOCHEMISTRY H&P

URS 1615 Murray Canyon Rd., Ste. 1000 San Diego CA, 92108	Project: UR081506-W1 Project Number: 222348.00002 Project Manager: Mr. Massoud Karimi	Reported: 05-Sep-06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HSA-8-GW1	E608043-97	Water	15-Aug-06	15-Aug-06
HSA-9A-GW1	E608043-98	Water	15-Aug-06	15-Aug-06
HSA-10-3	E608046-02	Soil	15-Aug-06	15-Aug-06
HSA-10-6	E608046-05	Soil	15-Aug-06	15-Aug-06
HSA-10-GW1	E608046-09	Water	15-Aug-06	15-Aug-06
HSA-5-GW1	E608050-01	Water	16-Aug-06	16-Aug-06
HSA-11-3	E608050-04	Soil	16-Aug-06	16-Aug-06
HSA-11-6	E608050-07	Soil	16-Aug-06	16-Aug-06
HSA-12-3	E608050-13	Soil	16-Aug-06	16-Aug-06
HSA-12-6	E608050-16	Soil	16-Aug-06	16-Aug-06
HSA-12-8	E608050-18	Soil	16-Aug-06	16-Aug-06
HSA-13-3	E608050-22	Soil	16-Aug-06	16-Aug-06
HSA-13-6	E608050-25	Soil	16-Aug-06	16-Aug-06
HSA-14-2	E608050-28	Soil	16-Aug-06	16-Aug-06
HSA-4A-GW1	E608050-29	Water	16-Aug-06	16-Aug-06
HSA-14-3	E608050-30	Soil	16-Aug-06	16-Aug-06
HSA-14-6	E608050-33	Soil	16-Aug-06	16-Aug-06
HSA-12-GW1	E608050-35	Water	16-Aug-06	16-Aug-06
HSA-11-GW1	E608050-38	Water	16-Aug-06	16-Aug-06
HSA-2A-GW1	E608057-01	Water	17-Aug-06	17-Aug-06
HSA-14-GW1	E608057-02	Water	17-Aug-06	17-Aug-06
DECON-1	E608057-03	Water	17-Aug-06	17-Aug-06
DECON-2	E608057-04	Water	17-Aug-06	17-Aug-06
HSA-1-GW2	E608057-05	Water	17-Aug-06	17-Aug-06
HSA-15-GW1	E608057-06	Water	17-Aug-06	17-Aug-06
HSA-13-GW1	E608057-07	Water	17-Aug-06	17-Aug-06
DECON-3	E608057-08	Water	17-Aug-06	17-Aug-06

URS 1615 Murray Canyon Rd., Ste. 1000 San Diego CA, 92108	Project: UR081506-W1 Project Number: 222348.00002 Project Manager: Mr. Massoud Karimi	Reported: 05-Sep-06

URS 1615 Murray Canyon Rd., Ste. 1000 San Diego CA, 92108	Project: UR081506-W1 Project Number: 222348.00002 Project Manager: Mr. Massoud Karimi	Reported: 05-Sep-06

TPH on Waters by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
BH-3 (E608043-54) Water Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-1-GW1 (E608043-55) Water Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	830	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-3-GW1 (E608043-56) Water Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-6-GW1 (E608043-95) Water Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-7-GW1 (E608043-96) Water Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	960	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-8-GW1 (E608043-97) Water Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	1400	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	

URS 1615 Murray Canyon Rd., Ste. 1000 San Diego CA, 92108	Project: UR081506-W1 Project Number: 222348.00002 Project Manager: Mr. Massoud Karimi	Reported: 05-Sep-06

TPH on Waters by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-9A-GW1 (E608043-98) Water Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	900	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-10-GW1 (E608046-09) Water Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61601	15-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	1000	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-5-GW1 (E608050-01) Water Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61702	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	1000	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-4A-GW1 (E608050-29) Water Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61702	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-12-GW1 (E608050-35) Water Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61702	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	660	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-11-GW1 (E608050-38) Water Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61702	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	1400	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	

URS 1615 Murray Canyon Rd., Ste. 1000 San Diego CA, 92108	Project: UR081506-W1 Project Number: 222348.00002 Project Manager: Mr. Massoud Karimi	Reported: 05-Sep-06

TPH on Waters by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-2A-GW1 (E608057-01) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-14-GW1 (E608057-02) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
DECON-1 (E608057-03) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
DECON-2 (E608057-04) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-1-GW2 (E608057-05) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
HSA-15-GW1 (E608057-06) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	1500	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	

URS 1615 Murray Canyon Rd., Ste. 1000 San Diego CA, 92108	Project: UR081506-W1 Project Number: 222348.00002 Project Manager: Mr. Massoud Karimi	Reported: 05-Sep-06

TPH on Waters by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-13-GW1 (E608057-07) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	
DECON-3 (E608057-08) Water Sampled: 17-Aug-06 Received: 17-Aug-06									
Gasoline (C5-C11)	ND	500	ug/l	1	EH61706	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	500	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	1000	"	"	"	"	"	"	

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TPH on Soils by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-1-3 (E608043-03) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-1-6 (E608043-06) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-1-7 (E608043-07) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61709	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-2-3 (E608043-12) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-3-3 (E608043-16) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-3-6 (E608043-19) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	

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H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-5-3 (E608043-29) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-5-6 (E608043-32) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-2A-3 (E608043-38) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-2A-6 (E608043-41) Soil Sampled: 14-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-4A-3 (E608043-47) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-4A-6 (E608043-50) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	

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TPH on Soils by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-6-3 (E608043-59) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-6-6 (E608043-62) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-7-3 (E608043-68) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-7-6 (E608043-71) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-7-7 (E608043-72) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61709	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-7-8 (E608043-73) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61709	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	

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TPH on Soils by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-8-3 (E608043-77) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-8-6 (E608043-80) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-9A-3 (E608043-88) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-9A-6 (E608043-91) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	11	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-9A-7 (E608043-92) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61709	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-10-3 (E608046-02) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	17	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	180	25	"	"	"	"	"	"	

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H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-10-6 (E608046-05) Soil Sampled: 15-Aug-06 Received: 15-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61505	15-Aug-06	15-Aug-06	DHS LUFT	
Diesel (C12-C24)	23	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	100	25	"	"	"	"	"	"	
HSA-11-3 (E608050-04) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-11-6 (E608050-07) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-12-3 (E608050-13) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-12-6 (E608050-16) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-12-8 (E608050-18) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61709	17-Aug-06	17-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	

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TPH on Soils by GC FID

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
HSA-13-3 (E608050-22) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-13-6 (E608050-25) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	ND	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-14-2 (E608050-28) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	39	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-14-3 (E608050-30) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	110	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	
HSA-14-6 (E608050-33) Soil Sampled: 16-Aug-06 Received: 16-Aug-06									
Gasoline (C5-C11)	ND	10	mg/kg	1	EH61701	16-Aug-06	16-Aug-06	DHS LUFT	
Diesel (C12-C24)	62	10	"	"	"	"	"	"	
Motor Oil (C25-C36)	ND	25	"	"	"	"	"	"	

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TPH on Waters by GC FID - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH61601 - LUFT-DHS										
Blank (EH61601-BLK1)				Prepared & Analyzed: 15-Aug-06						
Gasoline (C5-C11)	ND	500	ug/l							
Motor Oil (C25-C36)	ND	1000	"							
Diesel (C12-C24)	ND	500	"							
Matrix Spike (EH61601-MS1)		**Source: E608043-56**		Prepared & Analyzed: 15-Aug-06						
Gasoline (C5-C11)	2140	500	ug/l	2000	ND	107	75-125			
Diesel (C12-C24)	5330	500	"	5000	ND	107	75-125			
Matrix Spike Dup (EH61601-MSD1)		**Source: E608043-56**		Prepared & Analyzed: 15-Aug-06						
Gasoline (C5-C11)	1890	500	ug/l	2000	ND	94.5	75-125	12.4	30	
Diesel (C12-C24)	5230	500	"	5000	ND	105	75-125	1.89	30	
Batch EH61702 - LUFT-DHS										
Blank (EH61702-BLK1)				Prepared & Analyzed: 16-Aug-06						
Motor Oil (C25-C36)	ND	1000	ug/l							
Gasoline (C5-C11)	ND	500	"							
Diesel (C12-C24)	ND	500	"							
Matrix Spike (EH61702-MS1)		**Source: E608050-29**		Prepared & Analyzed: 16-Aug-06						
Gasoline (C5-C11)	1720	500	ug/l	2000	ND	86.0	75-125			
Diesel (C12-C24)	4960	500	"	5000	ND	99.2	75-125			
Matrix Spike Dup (EH61702-MSD1)		**Source: E608050-29**		Prepared & Analyzed: 16-Aug-06						
Gasoline (C5-C11)	1900	500	ug/l	2000	ND	95.0	75-125	9.94	30	
Diesel (C12-C24)	5000	500	"	5000	ND	100	75-125	0.803	30	

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TPH on Waters by GC FID - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH61706 - LUFT-DHS										
Blank (EH61706-BLK1)				Prepared & Analyzed: 17-Aug-06						
Motor Oil (C25-C36)	ND	1000	ug/l							
Gasoline (C5-C11)	ND	500	"							
Diesel (C12-C24)	ND	500	"							
Matrix Spike (EH61706-MS1)		**Source: E608057-01**		Prepared & Analyzed: 17-Aug-06						
Gasoline (C5-C11)	1630	500	ug/l	2000	ND	81.5	75-125			
Diesel (C12-C24)	5300	500	"	5000	ND	106	75-125			
Matrix Spike Dup (EH61706-MSD1)		**Source: E608057-01**		Prepared & Analyzed: 17-Aug-06						
Gasoline (C5-C11)	1680	500	ug/l	2000	ND	84.0	75-125	3.02	30	
Diesel (C12-C24)	4960	500	"	5000	ND	99.2	75-125	6.63	30	

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TPH on Soils by GC FID - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH61505 - LUFT-DHS										
Blank (EH61505-BLK1)				Prepared & Analyzed: 15-Aug-06						
Motor Oil (C25-C36)	ND	25	mg/kg							
Gasoline (C5-C11)	ND	10	"							
Diesel (C12-C24)	ND	10	"							
Matrix Spike (EH61505-MS1)		**Source: E608043-03**		Prepared & Analyzed: 15-Aug-06						
Gasoline (C5-C11)	175	10	mg/kg	200	ND	87.5	67-125			
Diesel (C12-C24)	534	10	"	500	ND	107	67-125			
Matrix Spike (EH61505-MS2)		**Source: E608043-88**		Prepared & Analyzed: 15-Aug-06						
Gasoline (C5-C11)	183	10	mg/kg	200	ND	91.5	67-125			
Diesel (C12-C24)	513	10	"	500	ND	103	67-125			
Matrix Spike Dup (EH61505-MSD1)		**Source: E608043-03**		Prepared & Analyzed: 15-Aug-06						
Gasoline (C5-C11)	168	10	mg/kg	200	ND	84.0	67-125	4.08	30	
Diesel (C12-C24)	551	10	"	500	ND	110	67-125	3.13	30	
Matrix Spike Dup (EH61505-MSD2)		**Source: E608043-88**		Prepared & Analyzed: 15-Aug-06						
Gasoline (C5-C11)	176	10	mg/kg	200	ND	88.0	67-125	3.90	30	
Diesel (C12-C24)	454	10	"	500	ND	90.8	67-125	12.2	30	
Batch EH61701 - LUFT-DHS										
Blank (EH61701-BLK1)				Prepared & Analyzed: 16-Aug-06						
Gasoline (C5-C11)	ND	10	mg/kg							
Motor Oil (C25-C36)	ND	25	"							
Diesel (C12-C24)	ND	10	"							

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TPH on Soils by GC FID - Quality Control

H&P Mobile Geochemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH61701 - LUFT-DHS										
Matrix Spike (EH61701-MS1)		**Source: E608050-04**		Prepared & Analyzed: 16-Aug-06						
Gasoline (C5-C11)	175	10	mg/kg	200	ND	87.5	67-125			
Diesel (C12-C24)	453	10	"	500	ND	90.6	67-125			
Matrix Spike Dup (EH61701-MSD1)		**Source: E608050-04**		Prepared & Analyzed: 16-Aug-06						
Gasoline (C5-C11)	173	10	mg/kg	200	ND	86.5	67-125	1.15	30	
Diesel (C12-C24)	485	10	"	500	ND	97.0	67-125	6.82	30	
Batch EH61709 - LUFT-DHS										
Blank (EH61709-BLK1)				Prepared & Analyzed: 17-Aug-06						
Gasoline (C5-C11)	ND	10	mg/kg							
Motor Oil (C25-C36)	ND	25	"							
Diesel (C12-C24)	ND	10	"							
Matrix Spike (EH61709-MS1)		**Source: E608043-72**		Prepared & Analyzed: 17-Aug-06						
Gasoline (C5-C11)	214	10	mg/kg	200	ND	107	67-125			
Diesel (C12-C24)	553	10	"	500	ND	111	67-125			
Matrix Spike Dup (EH61709-MSD1)		**Source: E608043-72**		Prepared & Analyzed: 17-Aug-06						
Gasoline (C5-C11)	214	10	mg/kg	200	ND	107	67-125	0.00	30	
Diesel (C12-C24)	540	10	"	500	ND	108	67-125	2.38	30	

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Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☒ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06
H&P Project # UR081506-W1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000
San Diego CA 92108
Phone: 619-243-2848 Fax: 619-293-7369
Global ID: ~~222348.00002~~ let know later
EDF: ~~Yes~~ / No

Collector: Derek 888
Client Project # 222348.00002
Location: El Centro Generating Station
Turn around time:
Page: 1 Of 8
Project Manager: M. Karim

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases					Total # of containers
1	HSA1-1			736	8/14	soil	JAR																
2	HSA1-2			740																			
3	HSA1-3			742				X	X														
4	HSA1-4			744																			
5	HSA1-5			745																			
6	HSA1-6			748				X	X														
7	HSA1-7			823		metal sleeve	metal sleeve	X	X														
8	HSA1-8			826																			
9	HSA1-9			830																			
10	HSA2-1			904			JAR																
11	HSA2-2			907																			
12	HSA2-3			909				X	X														
13	HSA2-4			911																			
14	HSA3-1			1022																			

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Rector	URS Corp	Janice Villarreal	H&P	8/15/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☑ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06

H&P Project # UR081506-W

Outside Lab:

Client: URS

Address: 1615 Murray Canyon Rd #1000 SD

Phone:

Fax:

Collector: Derek

Client Project # 222348.00002

Location: El Centro Generating Station

Turn around time:

Page: 2 Of 8

Project Manager M Karime

Global ID:

EDF: Yes / No

Sample Receipt

Intact: ☐ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☐ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
15	HSA 3-2			1026	8/14	Soil	JAR																		
16	HSA 3-3			1029				X	X																
17	HSA 3-4			1031																					
18	HSA 3-5			1041																					
19	HSA 3-6			1045				X	X																
20	HSA 3-7			1227			metal sleeve																		
21	HSA 3-8			1235																					
22	HSA 3-9			1243																					
23	HSA 4-1			1345			JAR																		
24	HSA 4-2			1340																					
25	HSA 4-3			1345																					
26	HSA 4-4			1347																					
27	HSA 5-1			640	8/15																				
28	HSA 5-2			642																					

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Rector	URS	Jones Villarreal	H+P	8/15/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

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Chain of Custody Record

☑ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159

☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06

H&P Project # UR081506-W1

Outside Lab:

Client: URS

Address: 1615 Murray Canyon Rd #1000 SD

Phone: Fax:

Collector: Derek

Client Project # 222348.00002

Location: El Centro Generating Station

Page: 3 Of 8

Project Manager M. Karimi

Turn around time:

Global ID: EDF: Yes / No

Sample Receipt

Intact: ☐ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☐ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
29	HSA 5-3			645	8/15	Soil	JAR	X	X																
30	HSA 5-4			648																					
31	HSA 5-5			651																					
32	HSA 5-6			654				X	X																
33	HSA 5-7			657																					
34	HSA 5-8			721			metal sleeve																		
35	HSA 5-9			725																					
36	HSA 2A-1			1250	8/14		JAR																		
37	HSA 2A-2			1255																					
38	HSA 2A-3			1258				X	X																
39	HSA 2A-4			1301																					
40	HSA 2A-5			1305																					
41	HSA 2A-6			1309				X	X																
42	HSA 2A-7			1315																					

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Rector	URS	Jones Villarreal	H+P	8/15/06	

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06
H&P Project # UR081506-W1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000 SD
Phone: Fax:
Collector: Derek
Client Project # 222348.00002
Location: El Centro Generating Station
Page: 4 Of 8
Project Manager M Karimi
Turn around time:

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
43	HSA2A-8			1330	8/14	soil	metal sleeve																	
44	HSA2A-9			1335	↓	↓	↓																	
45	HSA4A-1			610	8/15		JAR																	
46	HSA4A-2			612																				
47	HSA4A-3			615				X	X															
48	HSA4A-4			618																				
49	HSA4A-5			620																				
50	HSA4A-6			1625				X	X															
51	HSA4A-7			630																				
52	HSA4A-8			703			metal sleeve																	
53	HSA4A-9			706			"							X	X									
54	BH3			1215		water	VOA	X	X															
55	HSA4-GW1			740	8/15			X	X															
56	HSA3-GW1			935	8/15			X	X					X	X									

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Rector	URS	James Villarreal	H+P	8/15/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

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Chain of Custody Record

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06
H&P Project # UR 081506-W1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000
SD
Phone: Fax:

Collector: Derek
Client Project # 222348.00002
Location: El Centro Generating Plant
Turn around time:

Page: 5 Of 8
Project Manager M. Karimi

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
HSA 6-1			805	8/15	Soil	JAR																	
HSA 6-2			808																				
HSA 6-3			810				X	X															
HSA 6-4			813																				
HSA 6-5			815																				
HSA 6-6			818				X	X															
HSA 6-7			821																				
HSA 6-8			858			metal sleeve																	
HSA 6-9			900																				
HSA 7-1			905			JAR																	
HSA 7-2			907																				
HSA 7-3			909				X	X															
HSA 7-4			912																				
HSA 7-5			915																				

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Ruta	URS	James Villarreal	H&P	8/15/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

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Chain of Custody Record

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06

H&P Project # UR081506-W1

Outside Lab:

Client: URS

Address: 1615 Murray Canyon Rd #1000 SD

Phone: Fax:

Collector: Derek

Client Project # 222348.00002

Location: El Centro Generating Plant

Page: 6 Of 8

Project Manager M. Karimi

Turn around time:

Global ID: EDF: Yes / No

Sample Receipt

Intact: ☐ Yes ☐ No

Seal Intact: ☐ Yes ☐ No ☐ N/A

Cold: ☐ Yes ☐ No

N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
71	HSA 7-6			919	8/15	Soil	JAR	X	X																
72	HSA 7-7			922				X	X																
73	HSA 7-8			1005			metal sleeve	X	X																
74	HSA 7-9			1008																					
75	HSA 8-1			930			JAR																		
76	HSA 8-2			933																					
77	HSA 8-3			935				X	X																
78	HSA 8-4			937																					
79	HSA 8-5			940																					
80	HSA 8-6			943				X	X																
81	HSA 8-7			946																					
82	HSA 8-8			1035			metal sleeve																		
83	HSA 8-9			1040			"																		
84	HSA 9-1			1010			JAR																		

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Rector	URS	James Villarreal	H+P	8/15/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

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Chain of Custody Record

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06
H&P Project # UR081506-W1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000 SD
Phone: Fax:

Collector: Derek
Page: 7 Of 8
Client Project # 22234.00002
Project Manager M. Karim
Location: El Centro Generating Plant
Turn around time:

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
85	HSA 9-2			1012	8/15	Soil	JAR																	
86	HSA 9A-1			1045																				
87	HSA 9A-2			1047				X	X	X														
88	HSA 9A-3			1050				X	X															
89	HSA 9A-4			1052																				
90	HSA 9A-5			1058																				
91	HSA 9A-6			1101				X	X															
92	HSA-9A-7			1055				X	X															
93	HSA-9A-8			1120			metal sleeve																	
94	HSA 9A-9			1123																				
95	HSA 6-GW1			1230		GW	VOA	X	X															
96	HSA 7-GW1			1245		GW		X	X															
97	HSA8-GW1			1320		GW		X	X															
98	HSA9A-GW1			1410		GW		X	X															

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Rector	URS	James Villarreal	H&P	8/15/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

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Chain of Custody Record

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/15/06
H&P Project # UR 081506-W1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000 SD
Phone: Fax:
Collector: Derek
Page: 8 Of 8
Client Project # 222348.00002
Project Manager M. Karimi
Location: El Centro Generating Plant
Turn around time:

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
99	HSA10-1			1430	8/15	Soil	JAR																		
100	HSA 10-2			1433																					
102	HSA-10-3			1436				X	X																
103	HSA 10-4			1439																					
104	HSA10-5			1443																					
105	HSA 10-6			1445				X	X																
106	HSA10-7			1447																					
107	HSA 10-8			1455			Metal sleeve																		
108	HSA 10-9			1501																					
9	HSA 10-GW			1600				X	X																

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
[signature]	URS Corp	[signature] Villarreal	H+P	8/15/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

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Chain of Custody Record

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☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/16/06
H&P Project # UR081506-U1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000 SD CA
Phone: Fax:
Collector: Derek
Client Project # 22238888.0002
Location: El Centro Generating Plant
Page: 1 Of 3
Project Manager: M Karimi
Turn around time:

Global ID: EDF: Yes / No
Massoud_Karimi@URScorp.com

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
1	HSA5-GW1			720	8/16	water	VOA	X	X																
2	HSA11-1			910		soil	JAR																		
3	HSA11-2			912		soil																			
4	HSA11-3			915				X	X																
5	HSA11-4			917																					
6	HSA11-5			920																					
7	HSA11-6			922				X	X																
8	HSA11-7			925																					
9	HSA11-8			1035			metal sleeve																		
10	HSA11-9			1045																					
11	HSA12-1			933			JAR																		
12	HSA12-2			935																					
13	HSA12-3			936				X	X																
14	HSA12-4			939																					

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Ritter	URS	James Villarreal	H&P	8/16/06	

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☑ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/16/06
H&P Project # UR 081506-W1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000 SD
Phone: Fax:
Collector: Derek
Client Project # 22238888.00002
Location: El Centro Generating Plant
Page: 2 Of 3
Project Manager M. Karime
Turn around time:
Global ID: EDF: Yes / No

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
15	HSA-12-5			944	8/16	SOIL	JAR																		
16	HSA 12-6			948				X	X																
17	HSA 12-7			950																					
18	HSA 12-8			1221				X	X																
19	HSA 12-9			1250																					
20	HSA 13-1			1031			JAR																		
21	HSA 13-2			1033																					
22	HSA 13-3			1036				X	X																
23	HSA 13-4			1040																					
24	HSA 13-5			1043																					
25	HSA 13-6			1045				X	X																
26	HSA 13-7			1049																					
27	HSA 14-1			1336																					
28	HSA 14-2			1338				X	X																

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Ruth	URS	Jesus Villarreal	H+P	8/16/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

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Chain of Custody Record

☑ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/16/06
H&P Project # UR 0815 06-W
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #100 SD
Phone: Fax:

Collector: Derek
Client Project # 22238888.00002
Location: El Centro Generating Plant
Page: 3 Of 3
Project Manager M. Karami
Turn around time:

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's	8260B: VOC's and Oxygenates	Methane	Fixed Gases						Total # of containers
29	HSA 4A-GW1			1200	8/16	water	VOA	X	X															
30	HSA 14-3			1341		soil	JAR	X	X															
31	HSA 14-4			1343							X	X												
32	HSA 14-5			1346																				
33	HSA 14-6			1349				X	X															
34	HSA 14-7			1352																				
35	HSA 12-GW1			1430		water	VOA	X	X															
36	HSA 14-8			1519		soil	metal																	
37	HSA 14-9			1530			sleeve																	
38	HSA 11-GW1			1453		water	VOA	X	X															

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Roth	URS	Jesus Villarreal	H+P		
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 2470 Impala Dr., Carlsbad, CA 92010 • ph 760.804.9678 • fax 760.804.9159
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 8/17/06
H&P Project # UR081506-W1
Outside Lab:

Client: URS
Address: 1615 Murray Canyon Rd #1000
SD
Phone: Fax:

Collector: Derek
Client Project # 22238888.00002
Location: El Centro Generating Plant
Turn around time:

Page: 1 Of
Project Manager M Karum

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☐ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's	8260B VOC's and Oxygenates	Methane	Fixed Gases							Total # of containers
1	HSA 2A-GW1			705		water	VOA	X	X																
2	HSA 14-GW1			640		"		X	X																
3	Decon 1			940				X	X																
4	Decon 2			945				X	X																
5	HSA 1-GW2			1045				X	X																
6	HSA 15-GW1			1245				X	X																
7	HSA 13-GW1			1325				X	X																
8	Decon 3			1430				X	X																

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Derek Reitz	URS	James Villarreal	HHP	8/17/06	
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

Calscience Environmental Laboratories, Inc.

August 30, 2006

Massoud Karimi
URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Subject: **Calscience Work Order No.: 06-08-1282**
Client Reference: El Centro

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/22/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	08/22/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-08-1282
San Diego, CA 92108-4319		Preparation:	N/A
		Method:	EPA 160.1

Project: El Centro

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HSA-15	**06-08-1282-4**	**08/21/06**	**Aqueous**	**N/A**	**08/23/06**	**60823TDSB1**

Parameter	Result	RL	DF	Qual	Units
Solids, Total Dissolved	71800	100	1		mg/L

Method Blank	**099-12-180-184**	**N/A**	**Aqueous**	**N/A**	**08/23/06**	**60823TDSB1**

Parameter	Result	RL	DF	Qual	Units
Solids, Total Dissolved	ND	1.0	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	08/22/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-08-1282
San Diego, CA 92108-4319		Preparation:	EPA 3510C
		Method:	TPH - Carbon Range
		Units:	ug/L

Project: El Centro

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HSA-6	**06-08-1282-1**	**08/21/06**	**Aqueous**	**08/25/06**	**08/25/06**	**060825B08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	14		1	
C8	3.0		1		C23-C24	17		1	
C9-C10	2.2		1		C25-C28	16		1	
C11-C12	9.1		1		C29-C32	ND		1	
C13-C14	12		1		C33-C36	ND		1	
C15-C16	45		1		C37-C40	ND		1	
C17-C18	31		1		C41-C44	ND		1	
C19-C20	18		1		C7-C44 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	115	68-140	

HSA-14	**06-08-1282-3**	**08/21/06**	**Aqueous**	**08/25/06**	**08/25/06**	**060825B08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	3.7		1	
C8	2.5		1		C23-C24	14		1	
C9-C10	4.6		1		C25-C28	18		1	
C11-C12	11		1		C29-C32	ND		1	
C13-C14	6.0		1		C33-C36	ND		1	
C15-C16	7.8		1		C37-C40	ND		1	
C17-C18	20		1		C41-C44	ND		1	
C19-C20	5.7		1		C7-C44 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	68-140	

HSA-15	**06-08-1282-4**	**08/21/06**	**Aqueous**	**08/25/06**	**08/25/06**	**060825B08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	10		1	
C8	ND		1		C23-C24	11		1	
C9-C10	2.1		1		C25-C28	12		1	
C11-C12	45		1		C29-C32	ND		1	
C13-C14	6.1		1		C33-C36	ND		1	
C15-C16	10		1		C37-C40	ND		1	
C17-C18	15		1		C41-C44	ND		1	
C19-C20	8.9		1		C7-C44 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	08/22/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-08-1282
San Diego, CA 92108-4319		Preparation:	EPA 3510C
		Method:	TPH - Carbon Range
		Units:	ug/L

Project: El Centro

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HSA-5	**06-08-1282-5**	**08/21/06**	**Aqueous**	**08/25/06**	**08/26/06**	**060825B08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	24		1	
C8	2.8		1		C23-C24	13		1	
C9-C10	3.1		1		C25-C28	21		1	
C11-C12	10		1		C29-C32	ND		1	
C13-C14	10		1		C33-C36	ND		1	
C15-C16	8.6		1		C37-C40	ND		1	
C17-C18	38		1		C41-C44	ND		1	
C19-C20	14		1		C7-C44 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	126	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HSA-8	**06-08-1282-6**	**08/21/06**	**Aqueous**	**08/25/06**	**08/26/06**	**060825B08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	4.7		1		C23-C24	37		1	
C9-C10	2.3		1		C25-C28	13		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	11		1		C37-C40	ND		1	
C17-C18	26		1		C41-C44	ND		1	
C19-C20	8.8		1		C7-C44 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
HSA-7	**06-08-1282-7**	**08/21/06**	**Aqueous**	**08/25/06**	**08/26/06**	**060825B08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	10		1	
C8	ND		1		C23-C24	9.0		1	
C9-C10	7.1		1		C25-C28	27		1	
C11-C12	18		1		C29-C32	ND		1	
C13-C14	6.6		1		C33-C36	ND		1	
C15-C16	16		1		C37-C40	ND		1	
C17-C18	27		1		C41-C44	ND		1	
C19-C20	4.0		1		C7-C44 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

URS Corporation		Date Received:	08/22/06
1615 Murray Canyon Road, Suite 1000		Work Order No:	06-08-1282
San Diego, CA 92108-4319		Preparation:	EPA 3510C
		Method:	TPH - Carbon Range
		Units:	ug/L
Project: El Centro			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-03-039-1,647**	**N/A**	**Aqueous**	**08/25/06**	**08/25/06**	**060825B08**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	08/22/06
Work Order No:	06-08-1282
Preparation:	N/A
Method:	EPA 160.1

Project: El Centro

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
06-08-1234-1	**Aqueous**	**N/A**	**N/A**	**08/23/06**	**60823TDSD1**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	1120	1130	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

URS Corporation
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108-4319

Date Received:	N/A
Work Order No:	06-08-1282
Preparation:	EPA 3510C
Method:	TPH - Carbon Range

Project: El Centro

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-039-1,647	**Aqueous**	**GC 3**	**08/25/06**	**08/25/06**	**060825B08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	87	94	75-117	7	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-08-1282

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 8/21/06

Page 1 of 1

LABORATORY CLIENT: URS Corp

ADDRESS: 1615 Murray Canyon RD. Suite 1000

CITY: San Diego STATE: CA ZIP: 92108

TEL: 619. 243. 2848 E-MAIL:

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS: Contact: Massoud Karimi for Requested Analyses

CLIENT PROJECT NAME / NUMBER: EL centro

P.O. NO.:

PROJECT CONTACT: Massoud Karimi

LAB USE ONLY: 0 8 - 1 2 8 2

SAMPLER(S): (SIGNATURE) Scott Bajza

COELT LOG CODE ☐ ☐ ☐ ☐

COOLER RECEIPT TEMP = ____ °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ____	BTEX / MTBE (8260B) or ____	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747 ____	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	TDS				
1	HSA -6		8/21	1045	L	7																		
2	HSA -3			1130	L	7																		
3	HSA -14			1210	L	7																		
4	HSA -15			1305	L	8														X				
5	HSA -5			1345	L	7																		
6	HSA -8			1430	L	7																		
7	HSA -7			1500	L	7																		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Scott Bajza	Alex Mangum	8/22/06	12:56
Relinquished by: (Signature) Alex Mangum	Received by: (Signature)	8/22/06	13:55
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	8-22-06	1355

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02/20/06 Revision

Q&Q Graphic 714-898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 0 8 - 1 2 8 2

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: URS **DATE:** 8/22/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ✓ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

3.9 °C Temperature blank. Initial: A.M.

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: A.M.

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		~~✓~~
VOA vial(s) free of headspace.	✓		~~✓~~
Tedlar bag(s) free of condensation			✓

Initial: A.M.

COMMENTS:

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 8/21/06

Page 1 of 1

LABORATORY CLIENT: URS Corp

ADDRESS: 1615 Murray Canyon RD. Suite 1000

CITY: San Diego STATE: CA ZIP: 92108

TEL: 619. 243. 2848 E-MAIL: massoud_karimi@urscorp.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): Normal TAT

☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
Contact: Massoud Karimi for Requested Analyses

CLIENT PROJECT NAME / NUMBER: EL centro

P.O. NO.: 22238888-00002

PROJECT CONTACT: Massoud Karimi

LAB USE ONLY: 08-1282

SAMPLER(S): (SIGNATURE) Scott Bajza

COELT LOG CODE ☐☐☐☐

COOLER RECEIPT TEMP = ____ °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or Ext. C7-C44	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	TDS				
1	HSA -6		8/21	1045	L	7		X																
2	HSA -3			1130	L	7																		
3	HSA -14			1210	L	7		X																
4	HSA -15			1305	L	8		X												X				
5	HSA -5			1345	L	7		X																
6	HSA -8			1430	L	7		X																
7	HSA -7			1500	L	7		X																

Massoud Karimi 8/24/06

MK 8/24/06

Relinquished by: (Signature) Scott Bajza	Received by: (Signature) Alex Mayuy	Date: 8/22/06	Time: 12:56
Relinquished by: (Signature) Alex Mayuy	Received by: (Signature)	Date: 8/22/06	Time: 13:55
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 8-22-06	Time: 1355

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02/20/06 Revision