23 May 2005

MEMORANDUM

To: Henry Wong (DTSC)
Andrew Clough, R.G. (OBRA)

From: Michael T. Steiger, P.E. (EKI)

Subject: Pre-design Investigation Memorandum
Building 991 Area
Former Oakland Army Base - EDC Area
Oakland, California
(EKI A10063.00)

On behalf of the Oakland Base Reuse Authority ("OBRA"), Erler & Kalinowski, Inc. ("EKI") prepared this memorandum to describe a focused, pre-design investigation that OBRA is planning to implement at the Building 991 Area ("Site") at the former Oakland Army Base in Oakland, California. The investigation described in this memorandum addresses the Building 991 Area as a RAP Site to be remediated in accordance with the *Final Remedial Action Plan* ("RAP") (EKI, 2002a). The Site is shown in dark green on Figure 4-7 of the RAP and includes the existing Building 991, which is planned for demolition, and its adjacent concrete railcar wash pad. It is envisioned that remedial actions at the Site will occur after Building 991 is demolished.

Where found cost-effective to do so, selected, adjacent locations planned for remediation during redevelopment in accordance with the *Final Risk Management Plan* (EKI, 2002b), termed "RMP Locations", are addressed as part of this investigation of the Site and may also be remediated at the same time as this RAP Site, or at a later time. RMP Locations addressed as part of this investigation include the petroleum-impacted groundwater in the vicinity of former AST 991, which may commingle with petroleum-impacted groundwater under Building 991, soil adjacent to the railroad tracks and fence line north of wash pad which may contain pesticides, a former underground storage tank ("UST") fill terminal west of UST O, a former excavation area north of former AST 991, and areas of residual elevated concentrations of petroleum hydrocarbons in soil that may be

encountered adjacent to the planned excavation at Building 991, e.g., former discharge pipes adjacent to Building 991.

This planned investigation is not a Remedial Investigation ("RI"); rather it is a focused investigation intended to obtain additional chemical data and visual descriptions of encountered soil and groundwater, as well as soil and groundwater physical parameter data at the Site that will be useful for finalizing design decisions. The planned investigation will also provide information useful to refine estimates of excavated soil volumes and potential disposal classifications, on groundwater parameters for selection of chemical treatment agents for enhanced *in-situ* treatment, and on parameters for a site-specific fate and transport evaluation of pesticide leaching to groundwater for possible development of alternative remediation goals for pesticides at Building 991, as allowed in Section 7.3.2.6 of the RAP (EKI, 2002a).

OBRA will retain the services of an environmental engineering consultant (herein referred to as "CONSULTANT") to implement the fieldwork described in this memorandum. The results of the investigation will be included in the draft Remedial Design Implementation Plan ("RDIP") for the Building 991 Area to be prepared by OBRA.

SAMPLING OBJECTIVES

The specific objectives of the pre-design investigation at the Site are summarized below; a brief rationale behind the planned sample locations is shown in Table 3.

(1) Building 991: Evaluate the nature and extent of chemical releases under Building 991 to aid in remedial design, i.e., evaluate potential excavated soil volumes and characterize impacted soil, if any, for potential disposal classification;

(2) Concrete Wash Pad: Evaluate the nature and extent of chemical releases under and adjacent to the wash pad to aid in remedial design, i.e., evaluate potential excavated soil volumes and characterize impacted soil, if any, for potential disposal classification; Obtain site-specific fate and transport parameters for evaluation of pesticide leaching to groundwater for possible development of alternative remediation goals for pesticides;

(3) TPH in Groundwater: Evaluate the lateral extent of residual Total Petroleum Hydrocarbon ("TPH") impacted shallow groundwater and the presence of floating product under RAP structures (Building 991 and wash pad) and their connection

to other TPH-Impacted RMP locations. Results will aid in determination of the planned excavation area for TPH-impacted soil and the planned area of *in-situ* groundwater treatment for reduction of TPH concentrations;

(4) Former Oil/Water Separator ("OWS") & Septic Tank Area: Evaluate the nature and extent of residual chemical occurrences at the former oil/water separator, septic tank, and gravel trench areas, evaluate whether they were remediated to current Remediation Goals, and characterize impacted soil, if any, for disposal classification.

(5) Discharge Pipes: Evaluate the nature and extent of chemical releases along former discharge pipes adjoining Building 991 to aid in remedial design, i.e., evaluate potential excavated soil volumes and characterize impacted soil, if any, for potential disposal classification;

(6) Railroad Tracks and Fence Line near Wash Pad: Evaluate the presence and extent of pesticides in soil above Remediation Goals between the railroad tracks that run through the centerline of the wash pad and the fence line that marks the eastern property boundary of the Site;

(7) Fill Terminal West of UST O: Evaluate if the fill terminal is a source of petroleum hydrocarbons to soil;

(8) Former Excavation Area North of Former AST 991: Evaluate the extent of petroleum hydrocarbons and polycyclic aromatic hydrocarbons ("PAHs") remaining in soil above Remediation Goals.

SITE USE HISTORY OF THE BUILDING 991 AREA

The Army constructed Building 991 in 1942 as a locomotive engine maintenance shop. The building was used from 1942 to 1997 to repair, clean, and fuel engines (IT, 1999). The Army performed engine maintenance work and refueling inside of Building 991 along the western track (Figure 1).

Building 991

Within Building 991, beneath the western track running its length, is an approximately 60-foot long, 4-foot deep, concrete-lined lubrication pit that was used to access the underside of the locomotives. Oil, water, and other wastes collected in the lubrication pit

drained to a sump at the southern end of the lubrication pit (Figure 1). An approximately 6-foot by 6-foot below-grade, diesel fuel pump sump is located along the western wall of Building 991 that was used to dispense fuel (Figure 1). EKI observed liquid with a petroleum odor in the fuel sump during a site inspection on 7 July 2004.

A second railroad track, without an underlying lubrication pit, is located parallel and east of the lubrication pit inside Building 991. EKI observed an approximately 1-foot high cylindrical structure in the southeast corner of the building with a pipe emerging from the center of the structure. This pipe was connected to a flexible hose. The structure's use is unknown, but it is located adjacent to a sand storage vault in the southeast corner of the building (Figure 1). EKI also observed the remnants of a lavatory in the southwest corner, a wooden workbench along the western wall, two floor drains in the center of the building that reportedly drained to the sump at the bottom of the lubrication pit, and cracks and expansion joints crisscrossing portions of the concrete flooring throughout the building (Figure 1).

Building 991 is not connected to the sanitary sewer system serviced by the East Bay Municipal Utility District (Baseline, 2002). Sanitary sewage from an on-site lavatory originally discharged to a "chemical tank" and it is unknown whether the chemical tank was removed or remains on-site (Baseline, 2002). Floor drains, a lubrication pit, the lubrication pit sump, and a fuel pump sump inside Building 991 originally discharged to a gravel-filled trench located outside Building 991 at its western corner (Figure 1) (Baseline 2002). Sometime between 1942 (when Building 991 was constructed) and 1978, a septic tank and OWS[1] were installed and used to treat lavatory and lubrication pit wastes (IT, 1999). The septic tank and OWS were connected to an eight-inch vitrified clay pipe (see Figure 1) that terminated in an unpaved area approximately 120-feet northeast of the septic tank (IT, 1998). In October 1996, the Army conducted a soil investigation of the septic tank outfall area (locations ACU2S1 through ACU2S3 on Figure 1), also called the "drainfield"[2], [3] (Kleinfelder, 1998), and no chemicals were detected above the current Remediation Goals following an excavation of the area in 1997 (Chow, 1997). A four-inch diameter cast iron pipe, formerly used to drain a catch

[1] The OWS may have been installed as early as 1974, but was reportedly not maintained (Baseline 2002).

[2] The "drainfield" was reported to have clogged due to the insufficient size of the septic tank (Kleinfelder 1998).

[3] A leach field may have been located in an area of a percolation test shown on a 1978 map (Baseline, 2002), which is west of Building 991. However, the percolation test indicated that the soil was too impermeable and would not drain sufficiently for a leach field, suggesting that a leach field was most likely never constructed.

basin southwest of Building 991, also drained to an area north of Building 991 (Baseline, 2002) (Figure 1). The four-inch cast iron pipe and the 8-inch vitrified clay pipe may have been sources of an oil-impacted area north of Building 991, as reportedly observed by the U.S. Army Environmental Hygiene Agency in July 1976 to July 1977 (Baseline, 2002). The Army removed the septic tank, OWS, and portions of the septic tank drain line in March 1998 (IT, 1999). However, due to the presence of utilities crossing part of the excavation area, approximately 60-feet of the eight-inch vitrified clay septic tank piping was left in place at the time of the Army's excavation in the approximate area adjacent to Building 991 as shown on Figure 1.

EKI observed an approximately six-foot by six-foot aboveground concrete vault outside Building 991 in the center of its western wall (Figure 1). The vault was connected to an approximately 8 foot deep drywell located approximately six feet west of the vault by an approximately two-inch diameter pipe. The vault and drywell are located in the vicinity of a former underground diesel pipeline that connected the former AST to the diesel fuel pump sump inside the building.

Concrete Wash Pad

Until the late 1970s, locomotive engines were reportedly washed on a concrete wash pad that still exists southeast of Building 991 (IT 2002b) (Figure 1). Soap used to wash engines contained sodium hydroxide, glycol ether, and sodium silicate (IT, 1999, from Jacobs and Kleinfelder, 1996). Prior to 1984, engines were also washed on tracks leading into Building 991 with a detergent that may have contained solvents such as perchloroethene ("PCE"), trichloroethene ("TCE"), or petroleum hydrocarbons (kerosene or diesel) (IT, 1999). Pesticide application equipment was also reportedly rinsed on the wash pad (IT, 1999). From 1987 to 1991 records show that the Army used Roundup (Glyphosphate, salt of N-(phosphonomethyl) glycine), an herbicide, to control weeds on tracks near Building 991. Since 1991, a landscaping contractor reportedly applied two other herbicides, Oust (Sulfometuron-Methyl) and Karmex (Diuron)[4], along the tracks near Building 991 and the wash pad (IT, 1999). An approximately 12-inch x 18-inch x 16-inch deep sump, located in the center of the concrete wash pad, discharged wash water to the east in an off-site marshy area via a pipe. The Army closed, cleaned, and filled this sump with grout on 6 September 2001 (IT, 2002b). From 1984 to 1995, engines were reportedly washed with water and water-based detergent on the railroad tracks adjacent and east of Building 991 (IT, 2002b).

[4] The herbicides Roundup, Oust, and Karmex have half-lives of <60 days, approximately 4 weeks, and approximately 2 years, respectively (Montgomery, 1993; Howard, 1991)

A marshy area is still located off the EDC Property to the east of the concrete wash pad (Figure 1). From August through November 2001, the Army excavated soil from a portion of the off-site marshy area and some on-site soil near the concrete wash pad to remove pesticide-impacted soils (IT, 2002b). The excavation depth ranged from one to four feet below ground surface ("bgs"). In September and October 2001, the Army re-sampled the bottom and sidewalls of the excavation post-excavation and constructed three groundwater monitoring wells off-site downgradient of the excavation area to monitor shallow groundwater quality of the marshy area. This off-site area is being monitored by the Army and is not part of the Building 991 RAP Site.

SUMMARY OF CURRENT ENVIRONMENTAL CONDITIONS

The following is a summary of the current environmental conditions at the Building 991 RAP Site and nearby RMP locations, based on the available results of prior groundwater and soil investigations, documentation by the Army on removal of structures, and limited soil excavation activities conducted by the Army. Tables 1 and 2 show the available historic groundwater and soil and data, respectively, for both RAP and RMP locations from the OBRA Environmental Database at the time of preparation of this memorandum. Exceedances of Remediation Goals occurring at both RAP Sites and RMP Locations are discussed below. Generally, petroleum hydrocarbons and pesticides appear to have impacted soil and shallow groundwater at the Building 991 Area RAP Site and nearby RMP Locations as a result of locomotive maintenance, engine washing, and refueling activities.

Groundwater Impacts

Building 991 and AST 991:

The Army previously conducted only limited groundwater sampling beneath Building 991. Total petroleum hydrocarbons as diesel ("TPHd") was detected in groundwater samples at concentrations greater than the Remediation Goal established in the RAP (EKI, 2002a) for TPHd (e.g., measured concentrations up to 201,000 µg/L at location A991S08) (Table 1). Other groundwater samples collected beneath and directly adjacent to Building 991 also exceeded Remediation Goals for TPHd, including ICFU2S3, ICFMW226, and A991S12.

The available groundwater data and observations of floating product and sheen also indicate that an area outside Building 991 adjacent to the former AST 991 pad is

impacted with TPHd at concentrations above its Remediation Goal (Figure 1). Monitoring well CE-3 has had floating hydrocarbon product ("FHP") and several historic measurements of TPHd in groundwater above its Remediation Goal at concentrations up to 49,300 µg/L (Table 1). The Army noted indications of occasional FHP up to 0.21 feet thick at monitoring well CE-3 (Figure 1) (IT, 2002a), as well as visible "sheen", during previous quarterly and semi-annual groundwater monitoring events. TPHd, Sec-butylbenzene, and tert-butylbenzene were detected in a sample of free hydrocarbon product from monitoring well CE-3 at concentrations of 84,900,000, 570,000, and 580,000 µg/L, respectively.

TPHd occurrence in groundwater near the former AST 991 pad and beneath Building 991 may merge, although the lateral extent of TPHd-impacted groundwater appears to be limited to the areas surrounding sample locations ICFMW226, A991S08, A991S12, ICFU2S3, and CE-3 (see Figure 1). TPHd concentrations in grab groundwater and monitoring well samples collected from locations surrounding these two areas (e.g. ICFMW232, ICFMW233, A991S06, KSB2) are below Remediation Goals, suggesting that the lateral extent of the TPHd plume(s) is limited. The localization of TPH-impacted groundwater is most likely because the mobility of petroleum hydrocarbons in shallow groundwater is low and the groundwater velocity is low compared with the rate of sorption and natural degradation mechanisms as discussed in the RAP (EKI, 2002a).

Concrete Wash Pad:

Five groundwater samples were collected within 25 feet of the wash pad: ICFMW229, ICFU2S6, K991MW-5, KSB5, and KSB6[5] (Figure 1). Pesticides such as dieldrin and endrin were encountered above detection limits in groundwater at the monitoring well closest to the wash pad, ICFMW229, at concentrations of 0.03 µg/L and 0.009 µg/L, respectively (Figure 2). Grab groundwater sample KSB6 also contained dieldrin as well as aldrin, DDD, DDT, and endrin, at levels above detection limits (Table 1). At monitoring wells ICFU2S6 and K991MW-5, dieldrin was found most recently at concentrations of 0.30 µg/L and 0.01 µg/L, respectively (Figure 2). However, as vapor intrusion is the only potentially complete exposure pathway for COCs in groundwater, no Remediation Goals were developed for the relatively non-volatile pesticides in groundwater. The narrative remedial action objective is to prevent further increases in concentrations of non-volatile COCs, like pesticides, in groundwater, as described in Section 7.2 of the RAP (EKI, 2002a).

[5] Groundwater sample KSB6 was collected at a depth of 4 feet. The surrounding soil was later excavated to 4 ft, potentially removing some or all of the COCs detected in this sample.

Groundwater samples from locations K991MW-5, ICFU2S6, and KSB5 were also analyzed for TPHd and several VOCs and SVOCs, however these analytes were not detected at concentrations above their Remediation Goals.

Other Locations:

Pesticides were detected in monitoring wells north of the concrete wash pad. Monitoring wells ICFMW230, ICFMW231, and K991MW-4 contained dieldrin at concentrations up to 6.76 µg/L, 2.27 µg/L, and 2.2 µg/L, respectively (Table 1; Figure 2). Grab groundwater samples, including KSB2, ICFU2S5, ICFU2S7, and ICFU2S9 also contained concentrations of dieldrin of 0.03 µg/L, 0.03 µg/L, 0.82 µg/L, 0.06 µg/L, respectively (Table 1; Figure 2). Sample ICFU2S7 also contained measurable amounts of aldrin, gamma-BHC, endosulfan-I, and endrin.

Soil Impacts at RAP Sites

Building 991:

The Army previously conducted only limited soil sampling beneath Building 991 and areas adjacent to Building 991 (Figure 1); see tabulated soil data in Table 2. Xylene was the only analyte found above its soil Remediation Goal in the soil under Building 991 (location A991S08 at 3.8 mg/kg in 2000). No TPHd was detected in soil at concentrations above its Remediation Goal in the Army's preliminary sampling of soil under Building 991. However, given the nature of historical uses in this area and, the concentrations of TPHd detected in shallow groundwater, and the limited nature of previous sampling beneath Building 991, it is possible that some soil beneath and adjacent to Building 991 is impacted with COCs above established Remediation Goals. Releases of TPHd to soil are most likely to have occurred beneath the lubrication pit and its sump, the diesel fuel pump sump, along expansion joints and cracks in the concrete floor of Building 991, and around below grade sumps, piping, and possibly other structures at the Site that were not previously sampled by the Army.

In addition to hydrocarbons, a few soil samples from under Building 991 have been analyzed for selected PAHs, SVOCs, VOCs, and metals. However, these analytes were not detected above their Remediation Goals in these samples.

Concrete Wash Pad:

No soil samples have been collected directly beneath the wash pad. The closest soil sample, sidewall sample ITU2S86, was within five feet of the edge of the pad and contained dieldrin at a concentration of 0.028 mg/kg, which is above its soil leaching Remediation Goal (Table 2; Figure 2). Given the nature of known historical uses at the wash pad (washing locomotives and rinsing pesticide application equipment) and the lack of soil data in this location, it is possible that some soil beneath and adjacent to the washpad is impacted with COCs above established Remediation Goals.

In the absence of site-specific information for development of numerical goals to protect against leaching to groundwater, soil Remediation Goals for several pesticides in soil, including dieldrin, were assigned "placeholder" values in the RAP, i.e., the soil leaching screening levels taken directly from *Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Groundwater* ("RBSLs") (RWQCB, 2001b). Following implementation of the pre-design investigation, these placeholder soil screening values may be replaced, with DTSC approval, with calculated values based on a site-specific fate and transport evaluation of pesticide leaching to groundwater at the Site, as allowed by Section 7.3.2.6 of the RAP (EKI, 2002a).

Soil Impacts at RMP Sites

Former Excavation Area North of Former AST 991:

The following sidewall confirmation soil samples from the excavation were found to contain COC concentrations above Remediation Goals; CS-2 (fluoranthene, fluorene, phenanthrene, and pyrene at 130 mg/kg, 55 mg/kg, 280 mg/kg, and 90 mg/kg, respectively), CS-4 (arsenic at a concentration of 22 mg/kg), CS-7 (fluorene at 6.3 mg/kg), CS-8 (arsenic at a concentration of 20 mg/kg), CS-11 (dieldrin at a concentration of 0.023 mg/kg), and CS-13 (TPHd at a concentration of 8,200 mg/kg).

Southwest Corner of Building 991:

A soil sample from boring KSB3, located off the southwest corner of Building 991, was found by the Army to contain a dieldrin concentration of 0.023 mg/kg, which is above its Remediation Goal (Figure 2).

Railroad Tracks and Fence Line North of Wash Pad:

Dieldrin and other pesticides remain in sidewall soil samples from the Army's wetland excavation at concentrations above Remediation Goals, i.e., samples ITU2S83 (0.54 mg/kg dieldrin), ITU2S84 (11.4 mg/kg dieldrin), ITU2S85 (6.11 mg/kg dieldrin), ITU2S86 (0.028 mg/kg dieldrin), ITU2S87 (0.01 mg/kg dieldrin), ITU2S88 (0.028 mg/kg dieldrin), ITU2S89 (0.01 mg/kg dieldrin), ITU2S107 (0.15 mg/kg dieldrin), ITU2S112 (0.0065 mg/kg dieldrin), and ITU2S113 (0.056 mg/kg dieldrin) (Table 2; Figure 2). Other samples contained dieldrin above the Remediation Goal, e.g., ITU2S108 and ITU2S109, but were removed by the Army during its excavation of the wetland (IT, 2002b). As discussed above, the numerical Remediation Goal for dieldrin of 0.002 mg/kg is the soil leaching screening levels taken directly from *Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Groundwater* ("RBSLs") (RWQCB, 2001b). The soil Remediation Goal for dieldrin to protect the earthwork construction worker is 1.3 mg/kg (EKI, 2002a).

PLANNED PRE-DESIGN SAMPLING LOCATIONS

The planned borehole locations at the Site are shown on Figure 3 along with the previous sampling locations. A summary of the rationale for the chosen sample locations is provided in Table 3. From each planned borehole, CONSULTANT will selectively collect and analyze unsaturated soil, saturated soil, and/or grab groundwater samples in accordance with the analytical schedule listed in Table 4 and utilizing the protocols outlined below. In addition, CONSULTANT will collect groundwater samples from existing monitoring wells at the Site in accordance with the analytical schedule listed in Table 6 and the groundwater sampling protocols outlined in *Groundwater Monitoring Plan: USTs 11/12/13 and 11A/12A/13A, Building 991 AST, and Eastern End of Building 807* (EKI, 2004a). The samples will be analyzed at OBRA-approved, California-certified analytical laboratories on a normal turnaround basis.

For each sampling location, CONSULTANT will perform all necessary site underground clearance and notifications, including retention of a commercial underground locating service and notification of Underground Services Alert ("USA") prior to drilling, as required by laws and regulations (see Field Procedures below). Planned borehole locations are subject to change depending upon final access and clearance for the presence of subsurface, surface, or overhead obstructions and encountered subsurface conditions.

PLANNED LABORATORY ANALYSES

CONSULTANT will deliver selected soil and groundwater samples collected in accordance with Table 4 to an analytical laboratory approved in advance by OBRA for analysis of the following chemical constituents and their individual analytes (listed in Table 5):

- Title 22 Metals[6] by EPA Method 6020, 7000, and 7471;
- VOCs by EPA Method 8260B using Encore™ samplers by EPA Method 5035;
- PAHs by EPA Method 8270C;
- Total Extractable Petroleum Hydrocarbons quantified as diesel ("TPHd") (C_{12} through C_{24}) and motor oil ("TPHmo") (C_{19} through C_{36})[7] by EPA Method 8015(M) with silica gel cleanup;
- Organochlorine Pesticides by EPA Method 8081A;
- Polychlorinated biphenyls ("PCBs") by EPA Method 8082;
- Biochemical Oxygen Demand EPA 405.1;
- Chemical Oxygen Demand EPA 410.4.

In addition, CONSULTANT will select, package and deliver soil samples collected in accordance with Table 4 to a soils laboratory for analysis of the following physical parameters:

- Total Organic Carbon by EPA Method 9060;
- Dissolved Organic Carbon by EPA Method 9060;
- Moisture Content by Method ASTM D2216;
- pH by EPA Method 9040B/9040C;
- Dry Bulk Density by Method API RP40;
- Total Porosity by Method API RP40.

The designated analytical laboratory will be retained directly by OBRA and will be paid by OBRA. Laboratory analytical results will be reported from the OBRA-approved analytical laboratory directly to EKI on behalf of OBRA in hard copy and as electronic

[6] California Code of Regulations, Title 22, Section 66261.24

[7] Both TPH as diesel and TPH as motor oil will be analyzed because both TPHd and TPHmo have been detected at the Building 991 Site.

data deliverables ("EDDs") in a format suitable for direct entry in the OBRA Environmental Database.

QUALITY ASSURANCE / QUALITY CONTROL

CONSULTANT will follow the Quality Assurance / Quality Control ("QA/QC") procedures and protocols outlined in OBRA's DTSC-approved Quality Assurance Program Plan ("QAPP") (Veridian Environmental, 2005). The QA/QC activities to be followed by CONSULTANT include implementing standard sample collection and handling procedures described in the QAPP, conducting standard laboratory QA/QC analysis, following field documentation procedures described in the QAPP, and managing data following the procedures described the QAPP.

Additionally, CONSULTANT will implement the following QA/QC activities as part of the pre-design investigation at the Building 991 Area RAP Site.

Field Quality Control Samples

OBRA will collect field quality control samples as outlined in Section B5 of the DTSC-approved QAPP, including daily equipment rinsate blanks, trip blanks for days that groundwater samples are collected for VOC analysis, and field duplicate groundwater samples. The numbers of field quality control samples are specified in Table 4.

Sample Identification

Sample locations will be identified by CONSULTANT by sample location numbers as B991SL001 through B991SL030 as shown on Figure 3. Unsaturated soil and saturated soil samples will be further identified by the location number and collection depth interval in feet below ground surface (e.g., B991SL004-1-1.5). Grab groundwater samples will be identified by the letter "W" after the location number (e.g., B991SL004-W). Samples from existing monitoring wells will continue to be identified by their established name followed by the letter "W" (e.g. ICFMW225-W).

Sample Handling and Documentation Procedures

CONSULTANT will prepare sample-tracking documents so that the sample handling and tracking can be controlled as required by the QAPP. CONSULTANT will fill out forms and labels in the field with waterproof ink. Sample tracking documents will include daily field logs, borehole logs, sample labels, and chain-of-custody records. CONSULTANT will prepare these records as part of sampling activities as required by the QAPP.

When transferring samples to the laboratories, the individuals relinquishing and the individuals receiving the samples will sign, date, and note the time on the chain-of-custody record. A separate chain-of-custody record will accompany each transfer of samples. CONSULTANT will enter the method of shipment and courier name on the chain-of-custody records if CONSULTANT does not deliver samples directly to laboratory personnel. CONSULTANT will not allow the collected sample containers to remain unattended in an unsecured location while in CONSULTANT's possession.

Data Management

EKI will enter chemical data, when received as EDDs from the analytical laboratories, into the OBRA Environmental Database in accordance with the electronic data management procedures described in the QAPP.

Laboratory Documentation and QA/QC Analyses and Required Documentation

Laboratory reports will contain laboratory-provided QA/QC results associated with the analyses as required by the QAPP. For chemical data, laboratory QA/QC measures will include MS/MSD samples, laboratory control samples ("LCS"), laboratory duplicates, method blanks, and surrogate analyses. With the exception of surrogate analyses, all the above QA/QC measures are "batch" related, i.e., the QA/QC samples are included as single samples within each batch of 10 routine samples.

For the analyses listed above, laboratory documentation requirements will be limited to Level II reporting as described in the QAPP (i.e., full data packages, undiluted and diluted results), and associated higher level reporting will not be requested from the laboratories. However, for the Building 991 RAP Site, the laboratory will be required to submit matrix spike ("MS") and matrix spike duplicate ("MSD") results and, to provide copies of chromatograms from the EPA Method 8015M analyses of soil and groundwater samples for petroleum hydrocarbons, along with any petroleum hydrocarbon "standards" utilized by the laboratory for these analyses.

FIELD PROCEDURES

This section presents an overview of field procedures to be used by CONSULTANT during implementation of the pre-design investigation at the Building 991 RAP Site. Field protocols as described in the QAPP will be followed.

Preparing for Field Work

Prior to initiating fieldwork at the Site, CONSULTANT will perform the following preliminary tasks:

- Obtain applicable permits to advance soil boreholes for soil and grab groundwater sampling from the County of Alameda Public Works Agency;
- Coordinate access to the Site as needed with OBRA and the Port of Oakland;
- Mark proposed sample locations in the field, in the locations indicated on Figure 3 as allowed by access and subsurface clearance; notify EKI if any location must be relocated;
- Notify Underground Services Alert ("USA") of planned subsurface work at least 48 hours prior to initiating subsurface work;
- Retain the services of a private underground utility locating company to determine if there are buried utilities in the proposed boring locations;
- Subcontract with a licensed drilling company, which is compliant with 40 CFR 1910.120 for health and safety requirements for its employees and as described below for site-specific operations on EDC Property in accordance with the RAP/RMP, to perform all planned drilling activities at the Site;
- Prepare a site-specific Health and Safety Plan for DTSC review and approval; and
- Subcontract with a licensed land surveyor to survey the final boring locations consistent with the project requirements described below.

Logging Boreholes

A California registered geologist or professional civil engineer, or a geologist or engineer working under the supervision of one of these registered professionals, will collect soil and groundwater samples and log soil lithology during drilling. CONSULTANT will pay particular attention to note layering, depth, thickness, and distribution of visually impacted soil or groundwater, i.e., notation of free hydrocarbon product, globules, or sheen. During sampling at each location listed in Table 4, CONSULTANT will use an organic vapor meter ("OVM") to screen for organic vapors. CONSULTANT will include these field measurements on the borehole logs.

Collecting Unsaturated Soil and Saturated Soil Samples for Chemical Analysis

Subsurface soil borings will be advanced using a direct push sampling rig at each of the thirty (30) borehole locations (B991SL001 through B991SL030) shown on Figure 3 to a depth of approximately 10 feet bgs. A summary of the rationale for planned soil sample

locations is presented in Table 3. Soil samples will be collected continuously for logging purposes using a pneumatic Envirocore™ sampler, or equivalent, equipped with a 2-1/2 inch outside diameter continuous core barrel. Buterate liners will be used to line the core barrels. All boreholes will be continuously sampled and logged by CONSULTANT. Selected soil sample intervals (Table 4) will be sliced from length of liner and capped, placed in new, resealable plastic bags, and sent to laboratory for analysis. Encore™ samples for VOC analysis will be collected from the open ends of the sliced sample interval.

An OVM will be used by CONSULTANT during drilling to screen the soil samples for organic vapors and to aid in sample selection for laboratory analyses. OVM results will be recorded on the field soil boring lithologic logs to be prepared by CONSULTANT and provided to EKI. CONSULTANT will provide evidence of OVM calibration and information on the device make, model and lamp intensity.

CONSULTANT will select and retain soil samples for chemical analysis at the depth intervals listed in Table 4. QA/QC field samples that will be collected are also listed on Table 4. CONSULTANT will submit subsurface soil samples under chain-of-custody to the laboratory for the planned chemical analyses as indicated on the analytical schedule (Table 4). However, if visually stained or oily soil, hydrocarbon odors, or high OVM readings are observed in soil at a depth interval not shown in Table 4, then CONSULTANT will retain a sample of the impacted soil for analysis and will substitute it for one of the planned sample intervals. If such apparent contamination is present throughout the borehole depth interval, the planned sample depths listed in Table 4 will be utilized. CONSULTANT will notify EKI by telephone of significant field observations or if it is necessary to deviate significantly from the planned sampling intervals listed in Table 4.

Collecting Grab Groundwater Samples for Chemical Analysis

CONSULTANT will collect one grab groundwater sample from twenty-five (25) borehole locations (B991SL001 through B991SL025) listed in Table 4 at first encountered groundwater (expected between approximately 5 and 10 feet bgs)[8]. A summary of the rationale behind the planned groundwater sample locations is provided in Table 3.

[8] At locations drilled through the floor of the recessed lubrication pit, groundwater is expected to be encountered at approximately 2 to 6 ft below the floor of the lubrication pit, as it is approximately 4 feet lower than the floor of Building 991.

Grab groundwater samples will be collected from each borehole location using a temporary Pre-Pak™ well screen. The Pre-Pak™ well screen will consist of a 1-inch diameter PVC screen set inside a 2.375-inch diameter PVC screen separated by a sand pack. The combined screen will be threaded to a 1-inch diameter PVC riser that extends to the surface. Groundwater will be extracted by the CONSULTANT from the temporary wells using a peristaltic pump until the groundwater is relatively sediment free and groundwater parameters (pH, conductivity, and temperature) stabilize within a range of ten percent (See Sections 2.4 and 2.5 in Appendix B of the QAPP). Groundwater samples will be collected using Teflon tubing and a peristaltic pump.

Certain groundwater samples will be analyzed for additional general water quality parameters selected for evaluation of potential *in-situ* treatment agents (e.g., oxygen release compound [“ORC™”]); these grab groundwater samples and all those collected for metals analyses will be field filtered by CONSULTANT using a 0.45-micron filter (See Tables 4 and 5). The field filtered groundwater samples will then be transferred to pre-cleaned, laboratory-supplied sample containers appropriate for the specified method of chemical analysis. Grab groundwater samples will be labeled and submitted under chain-of-custody procedures to the laboratory for chemical analyses.

Collecting Samples from Groundwater Monitoring Wells

A routine semi-annual groundwater sampling of existing monitoring wells at the Building 991 Area is planned by OBRA for August 2004 under the *Final Groundwater Monitoring Plan* (EKI, 2004a). Results of the routine groundwater sampling event will be used by OBRA in conjunction with results obtained from the soil and groundwater sampling planned in this Pre-design Investigation. A summary of planned sampling of existing groundwater monitoring wells for this Pre-design Investigation is described in Table 6. As shown in Table 6, OBRA’s contractor will perform routine, semi-annual sampling of monitoring wells from following wells: CE-3, ICFMW226, ICFMW228, and K991MW-4. CONSULTANT, as part of implementation of this Pre-Design Investigation, will obtain additional groundwater samples from the following monitoring wells for the chemical analyses and additional water quality parameters listed in Table 6: CE-2, CE-3, ICFMW215, ICFMW225, ICFMW226, ICFMW227, ICFMW228, ICFMW229, ICFMW230, ICFMW232, ICFMW233, RCI-2, RCI-3, and K991MW-5. Prior to sampling any of the wells listed either in the Pre-design Investigation or routine groundwater monitoring program, FHP will be noted and measured using a petroleum hydrocarbon probe in accordance with the protocols described below.

Monitoring wells will be sampled in a sequence beginning with the well that has the lower anticipated hydrocarbon concentration and proceeding to the well exhibiting higher hydrocarbon concentrations, based on the most recent chemical analyses of water samples from the wells (values shown on Figure 1). Prior to sampling any well, all tools and equipment that are to be used in the well will be thoroughly decontaminated as described in Section 1.1 of Appendix B of QAPP. At each well to be sampled, the depth to water and the depth to the bottom of the well will be measured and recorded. This information will be used to calculate the volume of water in the well casing. Each well will also be checked for the presence of floating product on the water surface in the well.

Monitoring wells will be purged and sampled utilizing low-flow techniques, as discussed in Section 2.4 in Appendix B of the QAPP. Field protocols as described in the QAPP will be followed for collection and management of groundwater samples.

Measurement of FHP

FHP will be measured at all groundwater borehole locations once the Pre-Pak™ well is installed. The FHP thickness will be measured using an oil/water interface probe with a sensitivity of ±0.01 feet. FHP thickness will be recorded on field notes.

Groundwater Sampling in Wells Containing FHP

For existing monitoring wells potentially containing hydrocarbons (CE-3, ICFMW226, ICFMW227), groundwater samples will be collected through a chemically inert stilling tube, as described by EPA (U.S. EPA, 1992). The end of the stilling tube will be covered with a membrane or other material that will be ruptured by the pump. The stilling tube will be inserted into the well to a depth that is significantly below the upper portion of the screened interval where free-phase hydrocarbons may be entering the well. Groundwater samples will be collected by inserting a small bladder pump (or other appropriate low-flow sampling pump) or tubing from a peristaltic pump through the stilling tube Water samples will be transferred to the appropriate laboratory-supplied bottles and provided with a sample label with a unique sample identification number, time of sample, and date of sample.

Decontaminating Sampling Equipment

All down-hole equipment will be decontaminated prior to advancing each soil boring and each temporary monitoring well sampling to minimize the potential for cross-contamination of samples. All re-usable sampling equipment will be decontaminated by CONSULTANT prior to initial use and between each subsequent use and all disposable

sampling equipment will be used only once. CONSULTANT will decontaminate shovels, trowels, spatulas, spoons, and other reusable sampling equipment before each use to minimize the opportunity for cross-contamination of samples. Decontamination of the sampling equipment will be accomplished in a designated area approved by OBRA by either steam cleaning, or washing in a solution of Alconox® or equivalent non-phosphate detergent, followed by rinsing with clean water, then rinsing with distilled water. CONSULTANT will collect, contain, and dispose of all wastewater from these decontamination activities (Section 1.1 of Appendix B of QAPP).

Restoring Sampling Locations

Once sampling is completed, the temporary Pre-Pak™ well casing will be removed and neat cement will be placed from the bottom of each soil boring to the surface using a tremie pipe, in accordance with the County of Alameda Public Works Agency permit requirements. CONSULTANT will obtain all necessary drilling permits and will arrange for any necessary inspection by agency personnel of borehole sealing.

Management of Investigation-Derived Waste

CONSULTANT will place all soil cuttings and other investigation-derived waste in sealable Department of Transportation ("DOT") approved 55-gallon drums or five-gallon buckets. CONSULTANT will segregate soil, used personal protective equipment, wastewater/ rinsate, and other decontamination liquids by placing these wastes according to type in labeled separate 55-gallon drums or five-gallon buckets. CONSULTANT will transport drums and buckets to an on-site temporary storage location designated by OBRA representatives. CONSULTANT will assist OBRA with waste classification and coordination so that wastes can be disposed by OBRA at appropriately permitted off-site facilities. Investigation-derived wastes will be managed for disposal by OBRA in accordance with applicable laws and regulations. Signing of manifests and costs of transportation and off-site disposal of the investigation-derived waste will be the responsibility of OBRA.

Surveying Borehole Locations

Following completion of boreholes at the Site, the horizontal and vertical coordinates of the center of each boring location will be surveyed by a licensed land surveyor, subcontracted by CONSULTANT. The survey will be conducted, once CONSULTANT's fieldwork is completed, using either GPS or traditional survey methods. The horizontal coordinates will be +/- 0.25 feet in the Zone 3 California State Plane Coordinate System, NAD 1983. The vertical coordinates will be +/- 0.1 feet in

NAVD88 established from NGS Benchmark D-1203. CONSULTANT will provide the survey data to EKI in hard copy tabulation and as an electronic data deliverable. EKI will add the surveyed coordinates for the completed sampling locations at the Site to the OBRA Environmental Database.

SITE-SPECIFIC HEALTH AND SAFETY PLAN

As discussed above, chemicals of concern ("COCs") have been measured in impacted soil and groundwater at the Building 991 Area at concentrations that may constitute chemical hazards to persons working at the Site or handling the samples (See Tables 1 and 2). CONSULTANT will prepare its own stand-alone health and safety plan ("HSP") for the work that addresses health and safety concerns specific to the Site and the investigation activities proposed herein.

CONSULTANT will prepare its HSP under the direction of a Certified Industrial Hygienist ("CIH") in accordance with Section 7.1 of the RMP (EKI, 2002b). The HSP will be prepared in accordance with California Occupational Safety and Health Agency ("Cal/OSHA") occupational health and safety standards for the fieldwork and currently available toxicological information for COCs anticipated at the Site. The RMP provides descriptions of general requirements for the HSP; however, it is the responsibility of each entity with employees at the Site to refer to the RMP and to develop a site-specific HSP that is consistent with its corporate program and with pertinent health and safety laws and regulations.

REPORTS

A cover letter will be prepared by CONSULTANT to transmit field logs and other documents summarizing the completed fieldwork for Pre-Design Investigation to OBRA. The cover letter will include a brief description of CONSULTANT's field methods, observations, and any field measurements along with descriptions of protocols and equipment calibration. CONSULTANT will attach to the cover letter its field notes, borehole logs describing the soil profile or lithologic logging forms in accordance with the Unified Soil Classification System, results of any field analytical results for chemical and physical parameter analyses, copies of chain of custody forms, copies of permits, an inventory of investigation-derived waste left at the Site, and information and data deliverables obtained from CONSULTANT's surveyor.

Laboratory analytical results will be reported from the OBRA-approved analytical laboratory directly to EKI in hard copy and as electronic data deliverables suitable for entry in the OBRA Environmental Database. The results of the pre-design investigation

will be summarized in the draft RDIP when prepared for the Building 991 Area RAP Site.

SCHEDULE

Field-sampling activities at the Site are anticipated to begin in May 2005. OBRA will forward the results of the pre-design investigation to DTSC approximately three weeks after completion of field activities and receipt of all laboratory analytical reports including completed EDDs. These dates are approximate and contingent upon availability of contractors, normal laboratory turn-around times, and no project delays due to adverse weather, encountered field conditions or other adverse conditions.

A summary and analysis of the results with respect to implications on planned remediation of the Building 991 Area RAP Site will be included in the draft RDIP to be submitted to DTSC in accordance with the *Updated Conceptual-Level Remediation Schedule*, dated 30 March 2005 (EKI, 2005).

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Attachments:

Tables:

Table 1	Summary of Analytical Results for Groundwater Samples
Table 2	Summary of Analytical Results for Soil Samples
Table 3	Sampling Rationale
Table 4	Planned Sample Locations and Associated Analyses
Table 5	Individual Analytes for Analysis
Table 6	Planned Sampling of Existing Monitoring Wells

Figures:

Figure 1	Maximum Detected TPH Diesel Concentrations in Groundwater
Figure 2	Maximum Detected Dieldrin Concentrations in Soil and Groundwater
Figure 3	Planned Sampling Locations

cc: Xuan-Mai Tran (U.S. EPA)
Adriana Constantinescu (RWQCB)
Diane Heinze, P.E. (Port of Oakland)
Lydia Huang, P.E. (Baseline Environmental Consulting)
James Schwartz, R.G. (Northgate Environmental)
Roger Caswell, P.E. (U.S. Army)

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			Metals (µg/L)														VOCs (µg/L)			
Sample Location	Sample Date	Sample Depth or Screened Interval	Antimony, Total	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Selenium, Total	Vanadium, Total	Zinc, Total	Acetone	Benzene	sec-Butylbenzene	tert-Butylbenzene
Groundwater Remediation Goals (µg/L)			**na (a)**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**86,000,000**	**420**	**77,000**	**75,000**
A991S04	1/3/2000	3	-- (b)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
A991S05	1/3/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
A991S05	1/3/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
A991S06	1/3/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
A991S07	1/3/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
A991S08	1/19/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.6	--	--
A991S08	1/19/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.8	--	--
A991S09	1/19/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--
A991S10	1/19/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--
A991S11	1/19/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--
A991S12	1/19/2000	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.5	--	--
A991S13	5/8/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	5/6/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	5/1/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S22	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	<50.0	9.7	<50.0	<5.0	<5.0	<50.0	97.0	<5.0	<0.8	<50.0	<50.0	<5.0	<50.0	63.0	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	3.8	<0.5	<0.5
CE-2	7/10/1998	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
CE-2	10/5/1998	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.42	0.16	0.47	<0.5
CE-2	1/15/1999	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
CE-2	4/28/1999	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-2	7/27/1999	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-2	10/29/1999	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-2	2/3/2000	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-2	1/10/2002	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	<50.0	11.0	170	<5.0	52.0	<50.0	180	<5.0	<0.8	<50.0	<50.0	<5.0	<50.0	150	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			VOCs (µg/L)															
Sample Location	Sample Date	Sample Depth or Screened Interval	Chloroform	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropyl-benzene	4-Isopropyl-toluene	Methyl Isobutyl Ketone	Methylene Chloride	Methyl Tertiary Butyl Ether	Naphthalene	n-Propyl-benzene	1,1,2,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene	1,2,3-Trichloro-benzene
Groundwater Remediation Goals (µg/L)			**2,500**	**1,900**	**180,000**	**190,000**	**4,200,000**	**1,800,000**	**1,000,000**	**5,300,000**	**19,000**	**120,000**	**100,000**	**100,000**	**1,900**	**960**	**na**	**na**
A991S04	1/3/2000	3	--	--	--	--	<0.5	--	--	--	--	7.0	<1.2	--	--	--	0.6	--
A991S05	1/3/2000	3	--	--	--	--	3.7	--	--	--	--	<5.0	<1.2	--	--	--	<0.5	--
A991S05	1/3/2000	3	--	--	--	--	3.1	--	--	--	--	<5.0	<1.2	--	--	--	<0.5	--
A991S06	1/3/2000	3	--	--	--	--	<0.5	--	--	--	--	<5.0	<1.2	--	--	--	<0.5	--
A991S07	1/3/2000	3	--	--	--	--	1.6	--	--	--	--	1.0	<1.2	--	--	--	<0.5	--
A991S08	1/19/2000	3	--	--	--	--	<1.0	--	--	--	--	12.0	12.0	--	--	--	0.7	--
A991S08	1/19/2000	3	--	--	--	--	<1.0	--	--	--	--	11.0	26.0	--	--	--	0.8	--
A991S09	1/19/2000	3	--	--	--	--	<1.0	--	--	--	--	<5.0	<1.2	--	--	--	<1.0	--
A991S10	1/19/2000	3	--	--	--	--	<1.0	--	--	--	--	<5.0	<1.2	--	--	--	<1.0	--
A991S11	1/19/2000	3	--	--	--	--	<1.0	--	--	--	--	<5.0	<1.2	--	--	--	<1.0	--
A991S12	1/19/2000	3	--	--	--	--	--	--	--	--	--	--	17.0	--	--	--	--	--
A991S13	5/8/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	5/6/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	5/1/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S22	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	<10.0	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	<0.5	<0.5	<0.5	<0.5	3.1	1.2	<0.5	<0.5	<0.5	--	5.2	1.3	<0.5	4.0	<0.5	<0.5
CE-2	7/10/1998	5-20	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	1.0	--	--	--	<0.5	<0.5	<0.5	--
CE-2	10/5/1998	5-20	<0.5	<0.5	0.07	<0.5	<0.5	0.12	<0.5	<5.0	<0.5	12.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CE-2	1/15/1999	5-20	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.55	<5.0	5.0	--	--	<0.5	<0.5	<0.5	--
CE-2	4/28/1999	5-20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	2.3	0.8	<0.5	<0.5	<0.5	<0.5	<0.5
CE-2	7/27/1999	5-20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CE-2	10/29/1999	5-20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	4.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5
CE-2	2/3/2000	5-20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	4.7	5.6	<0.5	<0.5	<0.5	<0.5	<0.5
CE-2	1/10/2002	5-20	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	<10.0	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			VOCs (µg/L)				SVOCs (µg/L)										
Sample Location	Sample Date	Sample Depth or Screened Interval	Trichloro-ethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total (c)	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	bis (2-Ethylhexyl) phthalate	Fluoranthene	Fluorene
Groundwater Remediation Goals (µg/L)			**2,800**	**18,000**	**25,000**	**28,000,000**	**25,000,000**	**330,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**38,000,000**
A991S04	1/3/2000	3	--	--	--	--	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S05	1/3/2000	3	--	--	--	--	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S05	1/3/2000	3	--	--	--	--	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S06	1/3/2000	3	--	--	--	--	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S07	1/3/2000	3	--	--	--	--	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S08	1/19/2000	3	--	--	--	<5.0	<0.79	<0.17	<0.09	<0.06	<0.06	<0.88	<0.06	<0.07	--	<0.04	<0.4
A991S08	1/19/2000	3	--	--	--	<5.0	<0.79	0.1	0.37	<0.06	<0.06	<0.88	<0.06	0.6	--	<0.04	2.6
A991S09	1/19/2000	3	--	--	--	<1.0	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S10	1/19/2000	3	--	--	--	<1.0	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S11	1/19/2000	3	--	--	--	<1.0	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S12	1/19/2000	3	--	--	--	--	<0.6	<0.13	0.08	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
A991S13	5/8/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	5/6/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	5/1/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S22	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	<0.5	5.5	2.9	11.0	--	--	--	--	--	--	--	--	--	--	--
CE-2	7/10/1998	5-20	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
CE-2	10/5/1998	5-20	<0.5	0.63	0.26	1.26	--	--	--	--	--	--	--	--	--	--	--
CE-2	1/15/1999	5-20	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
CE-2	4/28/1999	5-20	<0.5	1.8	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	7/27/1999	5-20	<0.5	0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	10/29/1999	5-20	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	2/3/2000	5-20	<0.5	1.8	<0.5	--	0.63	0.05	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	0.04	<0.3
CE-2	1/10/2002	5-20	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			SVOCs (µg/L)				Pesticides (µg/L)										TPH (µg/L)		
Sample Location	Sample Date	Sample Depth or Screened Interval	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Aldrin	Delta-BHC	Gamma-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endrin	Endrin Ketone	Heptachlor	TPH Recoverable	TPH Diesel	TPH Motor Oil
Groundwater Remediation Goals (µg/L)			**na**	**100,000**	**520,000,000**	**200,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**9,600**	**na**
A991S04	1/3/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	390	100
A991S05	1/3/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	880	200
A991S05	1/3/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S06	1/3/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	660	200
A991S07	1/3/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	420	200
A991S08	1/19/2000	3	--	12.0	2.62	<0.13	--	--	--	--	--	--	--	--	--	--	--	6,430	600
A991S08	1/19/2000	3	--	26.0	6.29	<0.13	--	--	--	--	--	--	--	--	--	--	--	**201,000**	<63,000
A991S09	1/19/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	900	200
A991S10	1/19/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	960	500
A991S11	1/19/2000	3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	210	200
A991S12	1/19/2000	3	--	17.0	3.09	<0.1	--	--	--	--	--	--	--	--	--	--	--	**44,600**	<5,000
A991S13	5/8/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110	44.0
A991S14	5/6/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	310	35.0
A991S15	5/1/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<190	<950
A991S16	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	590	59.0
A991S17	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	96.0	<200
A991S18	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<190	<950
A991S19	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	180	<200
A991S20	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	35.0	<200
A991S21	5/3/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	190	<940
A991S22	5/2/2002	4.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37.0	66.0
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	840	--
CE-2	11/12/1997	5-20	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	11/12/1997	5-20	--	--	--	--	<0.08	<0.05	<0.2	<0.02	<0.02	<0.02	<0.01	<0.1	--	<0.01	--	--	--
CE-2	11/12/1997	5-20	--	5.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-2	7/10/1998	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	330	100
CE-2	10/5/1998	5-20	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	350	<500
CE-2	1/15/1999	5-20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,700	330
CE-2	4/28/1999	5-20	--	0.8	--	--	--	--	--	--	--	--	--	--	--	--	--	420	<500
CE-2	7/27/1999	5-20	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	420	240
CE-2	10/29/1999	5-20	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	460	<500
CE-2	2/3/2000	5-20	--	5.6	<0.08	0.1	--	--	--	--	--	--	--	--	--	--	--	3,210	400
CE-2	1/10/2002	5-20	--	<0.03	<0.0041	0.1	--	--	--	--	--	--	--	--	--	--	--	690	100
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	650	--
CE-3	11/12/1997	5-19	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	11/12/1997	5-19	--	--	--	--	<0.08	<0.05	<0.2	<0.02	<0.02	<0.02	<0.01	<0.1	--	<0.01	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			Metals (µg/L)														VOCs (µg/L)			
Sample Location	Sample Date	Sample Depth or Screened Interval	Antimony, Total	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Selenium, Total	Vanadium, Total	Zinc, Total	Acetone	Benzene	sec-Butylbenzene	tert-Butylbenzene
Groundwater Remediation Goals (µg/L)			**na (a)**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**86,000,000**	**420**	**77,000**	**75,000**
CE-3	11/12/1997	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	3.7	<0.5	<0.5
CE-3	10/5/1998	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16.2	<5.0	2.07	<5.0
CE-3	1/15/1999	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
CE-3	4/28/1999	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-3	7/27/1999	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-3	10/29/1999	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-3	10/29/1999	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
CE-3	2/3/2000	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	0.6	<0.5
CE-3	2/3/2000	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	0.6	<0.5
CE-3 (d)	7/27/2001	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50,000	**570,000**	**580,000**
CE-3	7/27/2001	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
CE-3	1/10/2002	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	3/25/2003	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	7/28/2003	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW215	1/11/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW225	7/26/2001	2-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
ICFMW225	1/10/2002	2-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW225	3/24/2003	2-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW225	7/28/2003	2-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW226	7/26/2001	2.2-12.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
ICFMW226	1/10/2002	2.2-12.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW226	3/24/2003	2.2-12.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW226	7/28/2003	2.2-12.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW227	7/26/2001	2.3-12.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
ICFMW227	1/10/2002	2.3-12.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW227	3/24/2003	2.3-12.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW227	7/28/2003	2.3-12.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW228	7/26/2001	2-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
ICFMW228	1/10/2002	2-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW228	3/24/2003	2-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW228	7/28/2003	2-14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	8/6/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	1/10/2004	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location	Sample Date	Sample Depth or Screened Interval	VOCs (µg/L)															
			Chloroform	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropyl-benzene	4-Isopropyl-toluene	Methyl Isobutyl Ketone	Methylene Chloride	Methyl Tertiary Butyl Ether	Naphthalene	n-Propyl-benzene	1,1,2,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene	1,2,3-Trichloro-benzene
Groundwater Remediation Goals (µg/L)			**2,500**	**1,900**	**180,000**	**190,000**	**4,200,000**	**1,800,000**	**1,000,000**	**5,300,000**	**19,000**	**120,000**	**100,000**	**100,000**	**1,900**	**960**	**na**	**na**
CE-3	11/12/1997	5-19	<0.5	<0.5	<0.5	<0.5	2.8	<0.5	<0.5	<0.5	<0.5	--	1.2	<0.5	<0.5	<0.5	1.5	<0.5
CE-3	10/5/1998	5-19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50.0	<5.0	7.17	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
CE-3	1/15/1999	5-19	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.55	<5.0	<10.0	--	--	<0.5	<0.5	<0.5	--
CE-3	4/28/1999	5-19	<0.5	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<20.0	<5.0	0.6	0.6	<0.5	<0.5	<0.5	<0.5	<0.5
CE-3	7/27/1999	5-19	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<20.0	<5.0	1.0	<0.5	0.7	<0.5	<0.5	<0.5	<0.5
CE-3	10/29/1999	5-19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CE-3	10/29/1999	5-19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CE-3	2/3/2000	5-19	<0.5	<0.5	<0.5	<0.5	0.7	0.6	<0.5	<20.0	<5.0	0.9	0.6	<0.5	<0.5	<0.5	<0.5	<0.5
CE-3	2/3/2000	5-19	<0.5	<0.5	<0.5	<0.5	0.8	0.7	<0.5	<20.0	<5.0	1.0	<1.2	0.4	<0.5	<0.5	<0.5	<0.5
CE-3 (d)	7/27/2001	5-19	<50,000	<50,000	<50,000	<50,000	<50,000	520,000	520,000	<2,000,000	<500,000	<100,000	<50,000	<50,000	<50,000	<50,000	<50,000	<50,000
CE-3	7/27/2001	5-19	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<1.2	<0.5	<0.5	<0.5	<0.5	<0.5
CE-3	1/10/2002	5-19	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
CE-3	3/25/2003	5-19	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
CE-3	7/28/2003	5-19	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW215	1/11/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
ICFMW225	7/26/2001	2-12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5
ICFMW225	1/10/2002	2-12	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
ICFMW225	3/24/2003	2-12	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW225	7/28/2003	2-12	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW226	7/26/2001	2.2-12.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5
ICFMW226	1/10/2002	2.2-12.2	--	--	--	--	--	--	--	--	--	--	1.6	--	--	--	--	--
ICFMW226	3/24/2003	2.2-12.2	--	--	--	--	--	--	--	--	--	--	<24.0	--	--	--	--	--
ICFMW226	7/28/2003	2.2-12.2	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW227	7/26/2001	2.3-12.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5
ICFMW227	1/10/2002	2.3-12.3	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
ICFMW227	3/24/2003	2.3-12.3	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW227	7/28/2003	2.3-12.3	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW228	7/26/2001	2-14	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	2.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5
ICFMW228	1/10/2002	2-14	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
ICFMW228	3/24/2003	2-14	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW228	7/28/2003	2-14	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
ICFMW229	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	8/6/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	1/10/2004	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			VOCs (µg/L)				SVOCs (µg/L)										
Sample Location	Sample Date	Sample Depth or Screened Interval	Trichloro-ethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total (c)	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	bis (2-Ethylhexyl) phthalate	Fluoranthene	Fluorene
Groundwater Remediation Goals (µg/L)			**2,800**	**18,000**	**25,000**	**28,000,000**	**25,000,000**	**330,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**38,000,000**
CE-3	11/12/1997	5-19	<0.5	<0.5	1.3	8.7	--	--	--	--	--	--	--	--	--	--	--
CE-3	10/5/1998	5-19	<5.0	2.81	1.23	2.19	--	--	--	--	--	--	--	--	--	--	--
CE-3	1/15/1999	5-19	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
CE-3	4/28/1999	5-19	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	7/27/1999	5-19	<0.5	2.4	0.8	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	10/29/1999	5-19	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	10/29/1999	5-19	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	2/3/2000	5-19	<0.5	1.1	<0.5	--	<0.6	0.01	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	0.2
CE-3	2/3/2000	5-19	<0.5	1.3	<0.5	--	<0.6	<0.13	<0.07	<0.05	<0.05	<0.67	<0.05	<0.06	--	<0.03	<0.3
CE-3 (d)	7/27/2001	5-19	<50,000	<50,000	<50,000	--	41,000	30,600	44,900	<500	1,300	<6,700	1,100	6,900	--	100,000	35,000
CE-3	7/27/2001	5-19	<0.5	<0.5	<0.5	--	0.3	<0.13	0.57	<0.05	<0.05	<0.67	<0.05	<0.06	--	0.92	0.51
CE-3	1/10/2002	5-19	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
CE-3	3/25/2003	5-19	--	--	--	--	<0.78	0.22	1.1	<0.06	<0.05	<0.67	<0.05	0.48	--	0.32	0.2
CE-3	7/28/2003	5-19	--	--	--	--	<0.78	1.6	3.32	<0.06	<0.05	<0.67	<0.05	0.85	--	1.84	<0.3
ICFMW215	1/11/2002	2.5-12.5	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
ICFMW225	7/26/2001	2-12	<0.5	<0.5	<0.5	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
ICFMW225	1/10/2002	2-12	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
ICFMW225	3/24/2003	2-12	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
ICFMW225	7/28/2003	2-12	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
ICFMW226	7/26/2001	2.2-12.2	<0.5	<0.5	<0.5	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
ICFMW226	1/10/2002	2.2-12.2	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
ICFMW226	3/24/2003	2.2-12.2	--	--	--	--	<16.0	<2.6	<1.4	<1.2	<1.0	<13.0	<1.0	2.9	--	9.5	2.0
ICFMW226	7/28/2003	2.2-12.2	--	--	--	--	<0.78	<0.13	6.58	<0.06	<0.05	<0.67	<0.05	0.14	--	7.5	<0.3
ICFMW227	7/26/2001	2.3-12.3	<0.5	<0.5	<0.5	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
ICFMW227	1/10/2002	2.3-12.3	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
ICFMW227	3/24/2003	2.3-12.3	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
ICFMW227	7/28/2003	2.3-12.3	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
ICFMW228	7/26/2001	2-14	<0.5	<0.5	<0.5	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
ICFMW228	1/10/2002	2-14	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
ICFMW228	3/24/2003	2-14	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
ICFMW228	7/28/2003	2-14	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
ICFMW229	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	8/6/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW229	1/10/2004	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			SVOCs (µg/L)				Pesticides (µg/L)										TPH (µg/L)		
Sample Location	Sample Date	Sample Depth or Screened Interval	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Aldrin	Delta-BHC	Gamma-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endrin	Endrin Ketone	Heptachlor	TPH Recoverable	TPH Diesel	TPH Motor Oil
Groundwater Remediation Goals (µg/L)			**na**	**100,000**	**520,000,000**	**200,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**9,600**	**na**
CE-3	11/12/1997	5-19	--	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CE-3	10/5/1998	5-19	--	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	3,990	<500
CE-3	1/15/1999	5-19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,990	150
CE-3	4/28/1999	5-19	--	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	810	<500
CE-3	7/27/1999	5-19	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	**13,500**	<5,000
CE-3	10/29/1999	5-19	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	370	<500
CE-3	10/29/1999	5-19	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	560	<500
CE-3	2/3/2000	5-19	--	0.6	0.01	0.09	--	--	--	--	--	--	--	--	--	--	--	1,750	200
CE-3	2/3/2000	5-19	--	<1.2	<0.08	0.05	--	--	--	--	--	--	--	--	--	--	--	2,130	300
CE-3 (d)	7/27/2001	5-19	--	<50,000	47,900	195,000	--	--	--	--	--	--	--	--	--	--	--	**84,900,000**	<10,000,000
CE-3	7/27/2001	5-19	--	<1.2	0.82	2.69	--	--	--	--	--	--	--	--	--	--	--	2,660	100
CE-3	1/10/2002	5-19	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	660	200
CE-3	3/25/2003	5-19	--	<1.2	0.19	1.7	--	--	--	--	--	--	--	--	--	--	--	**49,300**	<5,000
CE-3	7/28/2003	5-19	--	<1.2	1.1	7.59	--	--	--	--	--	--	--	--	--	--	--	**47,700**	1,000
ICFMW215	1/11/2002	2.5-12.5	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	580	300
ICFMW225	7/26/2001	2-12	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	100	100
ICFMW225	1/10/2002	2-12	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	90.0	100
ICFMW225	3/24/2003	2-12	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	<50.0	<500
ICFMW225	7/28/2003	2-12	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	<48.0	<480
ICFMW226	7/26/2001	2.2-12.2	0.8	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	920	300
ICFMW226	1/10/2002	2.2-12.2	--	1.6	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	2,920	200
ICFMW226	3/24/2003	2.2-12.2	--	<24.0	3.9	<2.0	--	--	--	--	--	--	--	--	--	--	--	**71,600**	<5,000
ICFMW226	7/28/2003	2.2-12.2	--	<1.2	3.8	14.1	--	--	--	--	--	--	--	--	--	--	--	**27,800**	800
ICFMW227	7/26/2001	2.3-12.3	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	870	400
ICFMW227	1/10/2002	2.3-12.3	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	310	200
ICFMW227	3/24/2003	2.3-12.3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	460	300
ICFMW227	7/28/2003	2.3-12.3	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	1,060	100
ICFMW228	7/26/2001	2-14	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	640	300
ICFMW228	1/10/2002	2-14	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	360	200
ICFMW228	3/24/2003	2-14	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	220	300
ICFMW228	7/28/2003	2-14	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	890	200
ICFMW229	11/28/2001	2.5-12.5	--	--	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	0.03	<0.05	<0.1	--	<0.05	--	<50.0	100
ICFMW229	4/10/2002	2.5-12.5	--	--	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	0.1	<0.05	0.009	<0.1	<0.05	--	80.0	200
ICFMW229	8/6/2003	2.5-12.5	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	0.02	<0.048	<0.096	--	<0.048	--	60.0	<480
ICFMW229	10/18/2003	2.5-12.5	--	--	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	0.01	<0.05	<0.1	--	<0.05	--	<48.0	<480
ICFMW229	1/10/2004	2.5-12.5	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	0.02	<0.048	<0.096	--	<0.048	--	30.0	<480
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	0.01	<0.05	<0.05	<0.1	<0.1	2.25	<0.05	0.09	--	<0.05	--	80.0	90.0
ICFMW230	11/28/2001	2.5-12.5	--	--	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	2.66	<0.05	0.1	--	<0.05	--	70.0	70.0

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			Metals (µg/L)														VOCs (µg/L)			
Sample Location	Sample Date	Sample Depth or Screened Interval	Antimony, Total	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Selenium, Total	Vanadium, Total	Zinc, Total	Acetone	Benzene	sec-Butylbenzene	tert-Butylbenzene
Groundwater Remediation Goals (µg/L)			**na (a)**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**86,000,000**	**420**	**77,000**	**75,000**
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	8/6/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	1/10/2004	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	11/28/2001	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	4/11/2002	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	8/6/2003	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	10/18/2003	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	1/10/2004	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW232	1/11/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW233	1/11/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	8/6/2003	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	10/18/2003	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	1/10/2004	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	1/10/2004	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	8/6/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	8/6/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	10/18/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	1/10/2004	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	8/6/2003	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	10/18/2003	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	1/10/2004	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	8/6/2003	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	10/18/2003	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	1/10/2004	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2S1	3/2/1998	5	3.0	1.9	32.0	0.59	4.2	4.5	19.1	3.1	<0.2	<5.0	4.8	2.7	<4.0	21.7	13.0	<1.0	--	--
ICFU2S1	3/2/1998	5	1.3	1.4	30.9	0.57	3.5	1.3	10.1	3.1	<0.2	<5.0	4.4	3.1	<4.0	16.6	15.0	<1.0	--	--
ICFU2S2	3/3/1998	5	2.1	<5.0	14.8	<2.0	2.4	5.6	9.9	2.8	<0.2	<5.0	30.0	<5.0	1.5	19.0	<10.0	<0.5	--	--
ICFU2S3	3/3/1998	5	<5.0	<5.0	11.6	<2.0	<5.0	5.0	6.2	2.2	<0.2	<5.0	1.9	<5.0	<4.0	22.7	<10.0	<0.5	--	--
ICFU2S4	3/3/1998	5	2.1	<5.0	11.2	<2.0	1.1	<5.0	7.4	0.96	<0.2	<5.0	1.5	2.3	<4.0	16.1	<10.0	<0.5	--	--
ICFU2S5	3/3/1998	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
ICFU2S6	3/3/1998	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50.0	<2.5	--	--
ICFU2S7	3/3/1998	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.0	<0.5	--	--
ICFU2S9	3/3/1998	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
ICFU2S22	3/2/1998	5	2.2	<5.0	46.0	<2.0	3.2	3.3	7.2	2.9	<0.2	1.7	2.5	3.6	<4.0	20.6	<10.0	<0.5	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location	Sample Date	Sample Depth or Screened Interval	VOCs (µg/L)															
			Chloroform	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropyl-benzene	4-Isopropyl-toluene	Methyl Isobutyl Ketone	Methylene Chloride	Methyl Tertiary Butyl Ether	Naphthalene	n-Propyl-benzene	1,1,2,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene	1,2,3-Trichloro-benzene
Groundwater Remediation Goals (µg/L)			**2,500**	**1,900**	**180,000**	**190,000**	**4,200,000**	**1,800,000**	**1,000,000**	**5,300,000**	**19,000**	**120,000**	**100,000**	**100,000**	**1,900**	**960**	**na**	**na**
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	8/6/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	1/10/2004	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	11/28/2001	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	4/11/2002	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	8/6/2003	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	10/18/2003	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	1/10/2004	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW232	1/11/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
ICFMW233	1/11/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
ICFMW236	8/6/2003	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	10/18/2003	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	1/10/2004	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	1/10/2004	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	8/6/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	8/6/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	10/18/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	1/10/2004	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	8/6/2003	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	10/18/2003	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	1/10/2004	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	8/6/2003	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	10/18/2003	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	1/10/2004	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2S1	3/2/1998	5	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<10.0	--	<1.2	--	<1.0	<1.0	<1.0	--
ICFU2S1	3/2/1998	5	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<10.0	--	<1.2	--	<1.0	<1.0	<1.0	--
ICFU2S2	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	<1.2	--	<0.5	<0.5	<0.5	<0.5
ICFU2S3	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	<1.2	--	<0.5	<0.5	<0.5	<0.5
ICFU2S4	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	<1.2	--	<0.5	<0.5	<0.5	--
ICFU2S5	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	--	--	<0.5	<0.5	<0.5	--
ICFU2S6	3/3/1998	5	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	<2.5	<25.0	--	--	--	<2.5	31.0	<2.5	<2.5
ICFU2S7	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	--	--	<0.5	<0.5	<0.5	<0.5
ICFU2S9	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	--	--	<0.5	<0.5	<0.5	<0.5
ICFU2S22	3/2/1998	5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	<1.2	--	<0.5	<0.5	<0.5	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			VOCs (µg/L)				SVOCs (µg/L)										
Sample Location	Sample Date	Sample Depth or Screened Interval	Trichloro-ethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total (c)	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	bis (2-Ethylhexyl) phthalate	Fluoranthene	Fluorene
Groundwater Remediation Goals (µg/L)			**2,800**	**18,000**	**25,000**	**28,000,000**	**25,000,000**	**330,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**38,000,000**
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	8/6/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW230	1/10/2004	2.5-12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	11/28/2001	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	4/11/2002	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	8/6/2003	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	10/18/2003	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW231	1/10/2004	1.5-11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW232	1/11/2002	2.5-12.5	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
ICFMW233	1/11/2002	2.5-12.5	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
ICFMW236	8/6/2003	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	10/18/2003	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	1/10/2004	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW236	1/10/2004	4.2-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	8/6/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	8/6/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	10/18/2003	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW237	1/10/2004	4-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	8/6/2003	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	10/18/2003	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW238	1/10/2004	3.5-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	8/6/2003	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	10/18/2003	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW239	1/10/2004	4.5-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2S1	3/2/1998	5	<1.0	--	--	<1.0	<2.5	<0.05	0.13	<0.12	<0.05	<0.2	<0.05	<0.12	--	0.51	0.91
ICFU2S1	3/2/1998	5	<1.0	--	--	<1.0	<2.5	0.09	0.12	<0.12	<0.05	<0.2	<0.05	<0.12	--	0.24	<0.25
ICFU2S2	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	<2.5	<0.05	<0.12	<0.12	<0.05	<0.2	<0.05	<0.12	--	<0.12	<0.25
ICFU2S3	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	5.0	0.58	0.34	0.04	0.04	<0.2	<0.05	0.13	--	2.88	1.7
ICFU2S4	3/3/1998	5	<0.5	--	--	<0.5	<2.5	<0.05	<0.12	<0.12	<0.05	<0.2	<0.05	<0.12	--	<0.12	<0.25
ICFU2S5	3/3/1998	5	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
ICFU2S6	3/3/1998	5	<2.5	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	--	--	--	--
ICFU2S7	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
ICFU2S9	3/3/1998	5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
ICFU2S22	3/2/1998	5	<0.5	--	--	<0.5	<2.5	<0.05	<0.12	<0.12	<0.05	<0.2	<0.05	<0.12	--	<0.12	<0.25

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			SVOCs (µg/L)				Pesticides (µg/L)										TPH (µg/L)		
Sample Location	Sample Date	Sample Depth or Screened Interval	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Aldrin	Delta-BHC	Gamma-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endrin	Endrin Ketone	Heptachlor	TPH Recoverable	TPH Diesel	TPH Motor Oil
Groundwater Remediation Goals (µg/L)			**na**	**100,000**	**520,000,000**	**200,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**9,600**	**na**
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	6.76	<0.05	0.43	0.2	<0.05	--	80.0	80.0
ICFMW230	4/10/2002	2.5-12.5	--	--	--	--	0.006	<0.05	<0.05	<0.1	<0.1	4.87	<0.05	0.37	0.2	<0.05	--	80.0	200
ICFMW230	8/6/2003	2.5-12.5	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	2.03	<0.048	0.06	--	0.01	--	110	<480
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	0.02	<0.048	<0.048	<0.096	<0.096	1.3	<0.048	0.03	--	0.01	--	70.0	<480
ICFMW230	10/18/2003	2.5-12.5	--	--	--	--	0.02	<0.05	<0.05	<0.1	<0.1	1.3	<0.05	0.03	--	0.01	--	100	<480
ICFMW230	1/10/2004	2.5-12.5	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	4.25	<0.048	0.25	--	<0.048	--	40.0	60.0
ICFMW231	11/28/2001	1.5-11.5	--	--	--	--	0.03	<0.05	<0.05	<0.1	<0.1	1.0	<0.05	<0.1	--	<0.05	--	70.0	200
ICFMW231	4/11/2002	1.5-11.5	--	--	--	--	0.03	<0.05	<0.05	<0.1	<0.1	2.27	<0.05	<0.1	<0.1	<0.05	--	20.0	60.0
ICFMW231	8/6/2003	1.5-11.5	--	--	--	--	0.19	<0.048	<0.048	<0.096	<0.096	0.98	<0.048	<0.096	--	<0.048	--	110	200
ICFMW231	10/18/2003	1.5-11.5	--	--	--	--	0.14	<0.05	<0.05	<0.1	<0.1	0.83	<0.05	<0.1	--	<0.05	--	50.0	<560
ICFMW231	1/10/2004	1.5-11.5	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	1.4	<0.048	<0.096	--	<0.048	--	40.0	100
ICFMW232	1/11/2002	2.5-12.5	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	390	200
ICFMW233	1/11/2002	2.5-12.5	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	1,090	200
ICFMW236	8/6/2003	4.2-10	--	--	--	--	0.24	0.03	0.03	4.5	0.29	5.37	<0.048	<0.096	--	<0.048	--	420	200
ICFMW236	10/18/2003	4.2-10	--	--	--	--	0.2	<0.25	0.05	2.9	0.2	3.1	<0.25	<0.5	--	0.04	--	320	<480
ICFMW236	1/10/2004	4.2-10	--	--	--	--	9.4	<0.95	12.0	30.0	23.0	24.0	<0.95	2.0	--	<0.95	--	430	100
ICFMW236	1/10/2004	4.2-10	--	--	--	--	4.8	<0.95	6.3	26.0	12.0	26.0	<0.95	2.0	--	<0.95	--	470	100
ICFMW237	8/6/2003	4-10	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	0.03	<0.048	<0.096		<0.048		370	400
ICFMW237	8/6/2003	4-10	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	0.03	<0.048	<0.096		0.01		300	300
ICFMW237	10/18/2003	4-10	--	--	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	0.05	<0.05	<0.1		0.01		80	200
ICFMW237	1/10/2004	4-10	--	--	--	--	<0.048	<0.048	<0.048	<0.096	0.03	0.03	<0.048	<0.096		0.02		60	90
ICFMW238	8/6/2003	3.5-9	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	0.1	<0.048	<0.096		<0.048		160	200
ICFMW238	10/18/2003	3.5-9	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	0.25	<0.048	<0.096		0.01		60	200
ICFMW238	1/10/2004	3.5-9	--	--	--	--	<0.048	<0.048	<0.048	<0.096	0.02	0.2	<0.048	<0.096		<0.048		20	<480
ICFMW239	8/6/2003	4.5-10	--	--	--	--	<0.048	<0.048	<0.048	<0.096	<0.096	0.01	<0.048	<0.096		<0.048		190	200
ICFMW239	10/18/2003	4.5-10	--	--	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	0.01	<0.05	<0.1		<0.05		170	200
ICFMW239	1/10/2004	4.5-10	--	--	--	--	<0.048	<0.048	<0.048	0.01	0.03	0.2	<0.048	<0.096		<0.048		30	<480
ICFU2S1	3/2/1998	5	--	<1.2	0.12	0.1	--	--	--	--	--	--	--	--	--	--	--	440	80.0
ICFU2S1	3/2/1998	5	--	<1.2	<0.1	0.2	--	--	--	--	--	--	--	--	--	--	--	630	130
ICFU2S2	3/3/1998	5	--	<1.2	<0.1	<0.25	--	--	--	--	--	--	--	--	--	--	--	<50.0	190
ICFU2S3	3/3/1998	5	--	<1.2	0.99	1.8	--	--	--	--	--	--	--	--	--	--	--	**39,000**	<500000
ICFU2S4	3/3/1998	5	--	<1.2	<0.1	<0.25	--	--	--	--	--	--	--	--	--	--	--	<50,000	99,000
ICFU2S5	3/3/1998	5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.03	<0.2	<0.2	--	<0.1	--	<50.0	<500
ICFU2S6	3/3/1998	5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.3	<0.2	<0.2	--	<0.1	--	<50.0	<500
ICFU2S7	3/3/1998	5	--	--	--	--	0.02	<0.1	0.01	<0.2	<0.2	0.82	0.01	0.04	--	<0.1	--	<50.0	<500
ICFU2S9	3/3/1998	5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.06	<0.2	<0.2	--	<0.1	--	<50.0	<500
ICFU2S22	3/2/1998	5	--	<1.2	<0.1	<0.25	--	--	--	--	--	--	--	--	--	--	--	82.0	<500

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			Metals (µg/L)														VOCs (µg/L)			
Sample Location	Sample Date	Sample Depth or Screened Interval	Antimony, Total	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Selenium, Total	Vanadium, Total	Zinc, Total	Acetone	Benzene	sec-Butylbenzene	tert-Butylbenzene
Groundwater Remediation Goals (µg/L)			**na (a)**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**86,000,000**	**420**	**77,000**	**75,000**
K991MW-4	4/8/1996	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
K991MW-4	7/10/1998	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
K991MW-4	10/5/1998	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.44	<0.5	<0.5	<0.5
K991MW-4	1/15/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
K991MW-4	4/28/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
K991MW-4	7/28/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
K991MW-4	7/26/2001	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
K991MW-4	1/10/2002	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	3/24/2003	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	7/28/2003	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	4/8/1996	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
K991MW-5	7/10/1998	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
K991MW-5	7/10/1998	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
K991MW-5	10/5/1998	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.04	<0.5	<0.5	<0.5
K991MW-5	10/5/1998	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.32	<0.5	<0.5	<0.5
K991MW-5	1/15/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
K991MW-5	1/15/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	--	--
K991MW-5	4/28/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
K991MW-5	4/28/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
K991MW-5	7/28/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
K991MW-5	7/28/1999	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<0.5	<0.5	<0.5
KSB1	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB2	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB2	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB3	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB4	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB5	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB6	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB6	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB7	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB8	2/27/1996	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB9	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
KSB10	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-1	4/4/1995	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-1	8/15/1995	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-1	2/15/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-1	5/21/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location	Sample Date	Sample Depth or Screened Interval	VOCs (µg/L)															
			Chloroform	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropyl-benzene	4-Isopropyl-toluene	Methyl Isobutyl Ketone	Methylene Chloride	Methyl Tertiary Butyl Ether	Naphthalene	n-Propyl-benzene	1,1,2,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene	1,2,3-Trichloro-benzene
Groundwater Remediation Goals (µg/L)			**2,500**	**1,900**	**180,000**	**190,000**	**4,200,000**	**1,800,000**	**1,000,000**	**5,300,000**	**19,000**	**120,000**	**100,000**	**100,000**	**1,900**	**960**	**na**	**na**
K991MW-4	4/8/1996	4.5-14.5	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	3.5	<0.5	--
K991MW-4	7/10/1998	4.5-14.5	<0.5	<0.5	0.3	<0.5	<0.5	--	--	<0.5	<5.0	--	--	--	<0.5	2.5	<0.5	--
K991MW-4	10/5/1998	4.5-14.5	<0.5	0.05	0.12	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	0.09	<0.5	<0.5	0.11	0.33	<0.5	<0.5
K991MW-4	1/15/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	1.3	--	--	<0.55	<5.0	2.0	--	--	<0.5	<0.5	<0.5	--
K991MW-4	4/28/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<0.5	<0.5	<0.5	7.3	<0.5	<0.5
K991MW-4	7/28/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K991MW-4	7/26/2001	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5
K991MW-4	1/10/2002	4.5-14.5	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
K991MW-4	3/24/2003	4.5-14.5	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
K991MW-4	7/28/2003	4.5-14.5	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
K991MW-5	4/8/1996	4.5-14.5	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
K991MW-5	7/10/1998	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	2.0	--	--	--	<0.5	<0.5	<0.5	--
K991MW-5	7/10/1998	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<5.0	--	--	--	<0.5	<0.5	<0.5	--
K991MW-5	10/5/1998	4.5-14.5	<0.5	0.12	0.13	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	0.15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K991MW-5	10/5/1998	4.5-14.5	<0.5	0.16	0.15	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	0.15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K991MW-5	1/15/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.55	<5.0	<10.0	--	--	<0.5	<0.5	<0.5	--
K991MW-5	1/15/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.55	<5.0	<10.0	--	--	<0.5	<0.5	<0.5	--
K991MW-5	4/28/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K991MW-5	4/28/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K991MW-5	7/28/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
K991MW-5	7/28/1999	4.5-14.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB1	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB2	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB2	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB3	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	0.4	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB4	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB5	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB6	2/27/1996	4	<1.0	<1.0	7.2	0.7	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	4.2	<0.5	--
KSB6	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	<10.0	--	--	--	--	--
KSB7	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB8	2/27/1996	4.5	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<10.0	--	<1.0	<1.0	<0.5	--
KSB9	2/27/1996	4	<1.0	<1.0	1.2	<1.0	<0.5	--	--	--	2.0	--	<20.0	--	<1.0	2.4	<0.5	--
KSB10	2/27/1996	4	<1.0	<1.0	<1.0	<1.0	<0.5	--	--	--	<2.0	--	<20.0	--	<1.0	<1.0	<0.5	--
RCI-1	4/4/1995	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-1	8/15/1995	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-1	2/15/1996	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-1	5/21/1996	5-15	--	--	--	--	<0.5	--	--	--	--	<0.5	<0.2	--	--	--	<0.5	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			VOCs (µg/L)				SVOCs (µg/L)										
Sample Location	Sample Date	Sample Depth or Screened Interval	Trichloro-ethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total (c)	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	bis (2-Ethylhexyl) phthalate	Fluoranthene	Fluorene
Groundwater Remediation Goals (µg/L)			**2,800**	**18,000**	**25,000**	**28,000,000**	**25,000,000**	**330,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**38,000,000**
K991MW-4	4/8/1996	4.5-14.5	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
K991MW-4	7/10/1998	4.5-14.5	1.2	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	10/5/1998	4.5-14.5	0.14	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	1/15/1999	4.5-14.5	<0.5	--	--	1.8	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	4/28/1999	4.5-14.5	0.9	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	7/28/1999	4.5-14.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	7/26/2001	4.5-14.5	<0.5	<0.5	<0.5	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
K991MW-4	1/10/2002	4.5-14.5	--	--	--	--	<0.14	0.008	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
K991MW-4	3/24/2003	4.5-14.5	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
K991MW-4	7/28/2003	4.5-14.5	--	--	--	--	<0.78	0.18	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
K991MW-5	4/8/1996	4.5-14.5	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
K991MW-5	7/10/1998	4.5-14.5	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	7/10/1998	4.5-14.5	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	10/5/1998	4.5-14.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	10/5/1998	4.5-14.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	1/15/1999	4.5-14.5	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	1/15/1999	4.5-14.5	<0.5	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	4/28/1999	4.5-14.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	4/28/1999	4.5-14.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	7/28/1999	4.5-14.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	7/28/1999	4.5-14.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--
KSB1	2/27/1996	4	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	2.9	<10.0	<10.0
KSB2	2/27/1996	4	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB2	2/27/1996	4	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB3	2/27/1996	4	<1.0	--	--	2.1	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB4	2/27/1996	4	<1.0	--	--	1.8	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB5	2/27/1996	4	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB6	2/27/1996	4	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB6	2/27/1996	4	--	--	--	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	25.2	<10.0	<10.0
KSB7	2/27/1996	4	<1.0	--	--	0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB8	2/27/1996	4.5	<1.0	--	--	<0.5	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
KSB9	2/27/1996	4	0.9	--	--	<0.5	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
KSB10	2/27/1996	4	<1.0	--	--	<0.5	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
RCI-1	4/4/1995	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-1	8/15/1995	5-15	--	--	--	--	<0.2	<0.05	0.04	0.07	0.06	0.04	0.03	<0.02	--	0.12	<0.05
RCI-1	2/15/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-1	5/21/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			SVOCs (µg/L)				Pesticides (µg/L)										TPH (µg/L)		
Sample Location	Sample Date	Sample Depth or Screened Interval	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Aldrin	Delta-BHC	Gamma-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endrin	Endrin Ketone	Heptachlor	TPH Recoverable	TPH Diesel	TPH Motor Oil
Groundwater Remediation Goals (µg/L)			**na**	**100,000**	**520,000,000**	**200,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**9,600**	**na**
K991MW-4	4/8/1996	4.5-14.5	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	<500	--
K991MW-4	7/10/1998	4.5-14.5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.82	<0.2	<0.2	--	<0.1	--	90.0	<500
K991MW-4	10/5/1998	4.5-14.5	--	<0.5	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	0.15	<0.1	<0.1	--	<0.05	--	250	<500
K991MW-4	1/15/1999	4.5-14.5	--	--	--	--	0.04	<0.1	<0.1	<0.2	<0.2	2.2	<0.2	0.05	--	<0.1	--	<50.0	<500
K991MW-4	4/28/1999	4.5-14.5	--	<0.5	--	--	0.03	<0.2	<0.2	<0.4	<0.4	1.6	<0.4	0.04	0.02	0.01	--	<50.0	<500
K991MW-4	7/28/1999	4.5-14.5	--	<0.5	--	--	0.02	<0.1	<0.1	<0.2	<0.2	0.3	<0.2	<0.2	--	<0.1	--	17.0	23.0
K991MW-4	7/26/2001	4.5-14.5	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	160	100
K991MW-4	1/10/2002	4.5-14.5	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	50.0	80.0
K991MW-4	3/24/2003	4.5-14.5	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	80.0	200
K991MW-4	7/28/2003	4.5-14.5	--	<1.2	<0.08	0.21	--	--	--	--	--	--	--	--	--	--	--	60.0	<480
K991MW-5	4/8/1996	4.5-14.5	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.1	<0.1	0.03	<0.05	<0.1	<0.1	<0.05	--	<500	--
K991MW-5	7/10/1998	4.5-14.5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.01	<0.2	<0.2	--	<0.1	--	60.0	<500
K991MW-5	7/10/1998	4.5-14.5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	--	<0.1	--	80.0	700
K991MW-5	10/5/1998	4.5-14.5	--	<0.5	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.05	--	<50.0	<500
K991MW-5	10/5/1998	4.5-14.5	--	<0.5	--	--	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.05	--	<50.0	<500
K991MW-5	1/15/1999	4.5-14.5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.01	<0.2	<0.2	--	<0.1	--	<50.0	<500
K991MW-5	1/15/1999	4.5-14.5	--	--	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.01	<0.2	<0.2	--	<0.1	--	<50.0	<500
K991MW-5	4/28/1999	4.5-14.5	--	<0.5	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.01	<0.2	<0.2	<0.2	<0.1	--	<50.0	<500
K991MW-5	4/28/1999	4.5-14.5	--	<0.5	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.01	<0.2	<0.2	<0.2	<0.1	--	<50.0	<500
K991MW-5	7/28/1999	4.5-14.5	--	<0.5	--	--	<0.1	<0.1	<0.1	<0.2	<0.2	0.01	<0.2	<0.2	--	<0.1	--	37.0	19.0
K991MW-5	7/28/1999	4.5-14.5	--	<0.5	--	--	<0.1	0	<0.1	<0.2	<0.2	0.01	<0.2	<0.2	--	<0.1	--	46.0	32.0
KSB1	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	--	3,040	--
KSB2	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.1	<0.1	0.03	<0.05	<0.1	<0.1	<0.05	--	7,800	--
KSB2	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	--	4,440	--
KSB3	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	--	<500	--
KSB4	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	<500	--
KSB5	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	<0.05	<0.05	<0.05	<0.1	<0.1	<0.1	<0.05	<0.1	<0.1	<0.05	--	<500	--
KSB6	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	2.41	<0.05	<0.05	<1.0	<1.0	13.8	<0.05	<1.0	<1.0	<0.05	--	<500	--
KSB6	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	0.45	<0.05	<0.05	0.03	0.02	2.85	<0.05	0.07	<0.1	<0.05	--	--	--
KSB7	2/27/1996	4	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	<500	--
KSB8	2/27/1996	4.5	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	<500	--
KSB9	2/27/1996	4	<20.0	<20.0	<20.0	<20.0	--	--	--	--	--	--	--	--	--	--	--	<500	--
KSB10	2/27/1996	4	<20.0	<20.0	<20.0	<20.0	--	--	--	--	--	--	--	--	--	--	--	<500	--
RCI-1	4/4/1995	5-15	--	<0.2	<0.05	0.07	--	--	--	--	--	--	--	--	--	--	--	<50.0	<50.0
RCI-1	8/15/1995	5-15	--	<0.2	<0.05	0.28	--	--	--	--	--	--	--	--	--	--	--	<50.0	<50.0
RCI-1	2/15/1996	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	120	<50.0
RCI-1	5/21/1996	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	<50.0	<50.0

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			Metals (µg/L)														VOCs (µg/L)			
Sample Location	Sample Date	Sample Depth or Screened Interval	Antimony, Total	Arsenic, Total	Barium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Molybdenum, Total	Nickel, Total	Selenium, Total	Vanadium, Total	Zinc, Total	Acetone	Benzene	sec-Butylbenzene	tert-Butylbenzene
Groundwater Remediation Goals (µg/L)			**na (a)**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**86,000,000**	**420**	**77,000**	**75,000**
RCI-2	4/4/1995	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-2	5/21/1995	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-2	2/15/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-2	2/15/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-2	5/21/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-2	8/15/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-2	7/26/2001	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
RCI-2	1/11/2002	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RCI-3	4/4/1995	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-3	8/15/1995	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-3	8/15/1995	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-3	2/15/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-3	5/21/1996	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--
RCI-3	7/26/2001	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5
RCI-3	1/11/2002	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RCI-3	3/24/2003	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RCI-3	7/28/2003	5-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location	Sample Date	Sample Depth or Screened Interval	VOCs (µg/L)															
			Chloroform	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropyl-benzene	4-Isopropyl-toluene	Methyl Isobutyl Ketone	Methylene Chloride	Methyl Tertiary Butyl Ether	Naphthalene	n-Propyl-benzene	1,1,2,2-Tetrachloro-ethane	Tetrachloro-ethene	Toluene	1,2,3-Trichloro-benzene
Groundwater Remediation Goals (µg/L)			**2,500**	**1,900**	**180,000**	**190,000**	**4,200,000**	**1,800,000**	**1,000,000**	**5,300,000**	**19,000**	**120,000**	**100,000**	**100,000**	**1,900**	**960**	**na**	**na**
RCI-2	4/4/1995	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-2	5/21/1995	5-15	--	--	--	--	<0.5	--	--	--	--	<0.5	<0.2	--	--	--	<0.5	--
RCI-2	2/15/1996	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-2	2/15/1996	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-2	5/21/1996	5-15	--	--	--	--	<0.5	--	--	--	--	<0.5	0.3	--	--	--	<0.5	--
RCI-2	8/15/1996	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-2	7/26/2001	5-15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5
RCI-2	1/11/2002	5-15	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
RCI-3	4/4/1995	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-3	8/15/1995	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-3	8/15/1995	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-3	2/15/1996	5-15	--	--	--	--	<0.5	--	--	--	--	--	<0.2	--	--	--	<0.5	--
RCI-3	5/21/1996	5-15	--	--	--	--	<0.5	--	--	--	--	<0.5	<0.2	--	--	--	<0.5	--
RCI-3	7/26/2001	5-15	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20.0	<5.0	<1.0	<10.0	<0.5	<0.5	<0.5	<0.5	<0.5
RCI-3	1/11/2002	5-15	--	--	--	--	--	--	--	--	--	--	<0.03	--	--	--	--	--
RCI-3	3/24/2003	5-15	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--
RCI-3	7/28/2003	5-15	--	--	--	--	--	--	--	--	--	--	<1.2	--	--	--	--	--

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			VOCs (µg/L)				SVOCs (µg/L)										
Sample Location	Sample Date	Sample Depth or Screened Interval	Trichloro-ethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total (c)	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	bis (2-Ethylhexyl) phthalate	Fluoranthene	Fluorene
Groundwater Remediation Goals (µg/L)			**2,800**	**18,000**	**25,000**	**28,000,000**	**25,000,000**	**330,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**38,000,000**
RCI-2	4/4/1995	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-2	5/21/1995	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-2	2/15/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-2	2/15/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-2	5/21/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-2	8/15/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-2	7/26/2001	5-15	<0.5	<0.5	<0.5	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
RCI-2	1/11/2002	5-15	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
RCI-3	4/4/1995	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-3	8/15/1995	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-3	8/15/1995	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-3	2/15/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-3	5/21/1996	5-15	--	--	--	--	<0.2	<0.05	<0.02	<0.02	<0.02	<0.04	<0.02	<0.02	--	<0.05	<0.05
RCI-3	7/26/2001	5-15	<0.5	<0.5	<0.5	--	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
RCI-3	1/11/2002	5-15	--	--	--	--	<0.14	<0.0015	<0.012	<0.013	<0.006	<0.022	<0.005	<0.0051	--	<0.017	<0.016
RCI-3	3/24/2003	5-15	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3
RCI-3	7/28/2003	5-15	--	--	--	--	<0.78	<0.13	<0.07	<0.06	<0.05	<0.67	<0.05	<0.06	--	<0.037	<0.3

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			SVOCs (µg/L)				Pesticides (µg/L)										TPH (µg/L)		
Sample Location	Sample Date	Sample Depth or Screened Interval	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Aldrin	Delta-BHC	Gamma-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endrin	Endrin Ketone	Heptachlor	TPH Recoverable	TPH Diesel	TPH Motor Oil
Groundwater Remediation Goals (µg/L)			**na**	**100,000**	**520,000,000**	**200,000,000**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**9,600**	**na**
RCI-2	4/4/1995	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	<50.0	<50.0
RCI-2	5/21/1995	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	<50.0	<50.0
RCI-2	2/15/1996	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	220	<50.0
RCI-2	2/15/1996	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	290	<50.0
RCI-2	5/21/1996	5-15	--	0.3	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	130	<50.0
RCI-2	8/15/1996	5-15	--	<0.2	<0.05	0.05	--	--	--	--	--	--	--	--	--	--	--	380	<50.0
RCI-2	7/26/2001	5-15	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	790	300
RCI-2	1/11/2002	5-15	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	290	100
RCI-3	4/4/1995	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	<50.0	<50.0
RCI-3	8/15/1995	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	510	<50.0
RCI-3	8/15/1995	5-15	--	<0.2	<0.05	0.06	--	--	--	--	--	--	--	--	--	--	--	560	<50.0
RCI-3	2/15/1996	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	120	<50.0
RCI-3	5/21/1996	5-15	--	<0.2	<0.05	<0.05	--	--	--	--	--	--	--	--	--	--	--	<50.0	<50.0
RCI-3	7/26/2001	5-15	<10.0	<10.0	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	70.0	100
RCI-3	1/11/2002	5-15	--	<0.03	<0.0041	<0.021	--	--	--	--	--	--	--	--	--	--	--	30.0	100
RCI-3	3/24/2003	5-15	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	<50.0	<500
RCI-3	7/28/2003	5-15	--	<1.2	<0.08	<0.1	--	--	--	--	--	--	--	--	--	--	--	<48.0	<480

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Abbreviations:

(µg/L)	ıicrograms per liter
VOCs	ile organic compounds
SVOCs	latile organic compounds
PCBs	·chlorinated biphenyls
TPH	›etroleum hydrocarbons

Notes:
(a) "na" means not available, as risk-based remediation goals for non-volatile compounds in groundwater were not calculated
(b) "--" indicates that sample was not analyzed for this constituent, or that the sample collection depth is unknown.
(c) Total Xylene value represents sum of o, m, and p-Xylenes.
(d) Sample analyzed was free hydrocarbon product

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	Metals (mg/kg)															
			Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Nickel, Total	Selenium, Total	Silver, Total	Thallium, Total	Vanadium, Total	Zinc, Total
Soil Remediation Goals (mg/kg)			**280**	**20**	**43,000**	**1,300**	**150**	**600**	**42,000**	**26,000**	**750**	**60**	**14,000**	**3,500**	**3,500**	**49**	**4,900**	**100,000**
A991S01	1/3/2000	2	-- (b)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S01	1/3/2000	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S01	1/3/2000	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S02	1/3/2000	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S02	1/3/2000	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S03	1/3/2000	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S03	1/3/2000	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S08	1/19/2000	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S08	1/19/2000	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S08	1/19/2000	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S09	1/19/2000	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S09	1/19/2000	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S10	1/19/2000	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S10	1/19/2000	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S11	1/19/2000	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S11	1/19/2000	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S12	1/19/2000	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S12	1/19/2000	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S13	4/29/2002	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S13	4/29/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	4/29/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	4/29/2002	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	4/25/2002	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	4/25/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	4/24/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	4/24/2002	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	4/25/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	4/24/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	4/24/2002	9.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	4/25/2002	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	4/25/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S22	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	VOCs (mg/kg)																		
			Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total (c)
Soil Remediation Goals (mg/kg)			**0.5**	**0.3**	**550**	**200**	**290**	**950**	**0.1**	**18**	**38**	**24**	**3,800**	**4.8**	**350**	**2.8**	**8.4**	**2.5**	**170**	**87**	**1**
A991S01	1/3/2000	2	--	<0.0056	--	--	--	--	--	--	--	<0.0056	--	--	--	--	<0.0056	--	--	--	--
A991S01	1/3/2000	6	--	<0.0073	--	--	--	--	--	--	--	<0.0073	--	--	--	--	<0.0073	--	--	--	--
A991S01	1/3/2000	6.5	--	<0.0061	--	--	--	--	--	--	--	<0.0061	--	--	--	--	<0.0061	--	--	--	--
A991S02	1/3/2000	2.5	--	<0.0055	--	--	--	--	--	--	--	<0.0055	--	--	--	--	<0.0055	--	--	--	--
A991S02	1/3/2000	4	--	<0.0049	--	--	--	--	--	--	--	<0.0049	--	--	--	--	<0.0049	--	--	--	--
A991S03	1/3/2000	2	--	<0.0064	--	--	--	--	--	--	--	<0.0064	--	--	--	--	<0.0064	--	--	--	--
A991S03	1/3/2000	5	--	<0.0058	--	--	--	--	--	--	--	<0.0058	--	--	--	--	<0.0058	--	--	--	--
A991S08	1/19/2000	1	--	<0.0057	--	--	--	--	--	--	--	<0.0057	--	--	--	--	<0.0057	--	--	--	0.0008
A991S08	1/19/2000	1	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.005
A991S08	1/19/2000	5	--	0.059	--	--	--	--	--	--	--	0.51	--	--	--	--	0.6	--	--	--	**3.8**
A991S09	1/19/2000	1.5	--	<0.0054	--	--	--	--	--	--	--	<0.0054	--	--	--	--	<0.0054	--	--	--	<0.0054
A991S09	1/19/2000	4.5	--	<0.0065	--	--	--	--	--	--	--	<0.0065	--	--	--	--	<0.0065	--	--	--	<0.0065
A991S10	1/19/2000	2	--	<0.0055	--	--	--	--	--	--	--	<0.0055	--	--	--	--	<0.0055	--	--	--	<0.0055
A991S10	1/19/2000	5	--	<0.0062	--	--	--	--	--	--	--	<0.0062	--	--	--	--	<0.0062	--	--	--	<0.0062
A991S11	1/19/2000	2	--	<0.0059	--	--	--	--	--	--	--	<0.0059	--	--	--	--	<0.0059	--	--	--	<0.0059
A991S11	1/19/2000	4.5	--	<0.0076	--	--	--	--	--	--	--	<0.0076	--	--	--	--	<0.0076	--	--	--	0.0007
A991S12	1/19/2000	2	--	<0.0066	--	--	--	--	--	--	--	<0.0066	--	--	--	--	<0.0066	--	--	--	<0.0066
A991S12	1/19/2000	4.5	--	<0.57	--	--	--	--	--	--	--	<0.57	--	--	--	--	<0.57	--	--	--	<1.4
A991S13	4/29/2002	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S13	4/29/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	4/29/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	4/29/2002	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	4/25/2002	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	4/25/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	4/24/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	4/24/2002	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	4/25/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	4/24/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	4/24/2002	9.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	4/25/2002	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	4/25/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S22	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	SVOCs (mg/kg)																
			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Indeno(1,2,3-cd)pyrene	Chrysene2	Dibenzo(a,h) Anthracene	bis(2-Ethylhexyl)phthalate	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Pyrene
Soil Remediation Goals (mg/kg)			**16**	**120**	**2.9**	**7.6**	**0.8**	**7.6**	**5.3**	**7.6**	**7.6**	**4.7**	**2.2**	**100**	**60**	**5.1**	**4.9**	**11**	**55**
A991S01	1/3/2000	2	<2.2	<1.5	<0.86	<0.38	0.009	0.006	<0.25	0.007	<0.33	<0.2	<0.3	--	0.015	<1.5	<1.6	0.007	<0.12
A991S01	1/3/2000	6	<0.24	<0.16	<0.093	<0.041	<0.029	<0.032	<0.027	<0.019	<0.035	<0.021	<0.033	--	<0.026	<0.16	<0.18	<0.099	<0.013
A991S01	1/3/2000	6.5	<0.24	<0.17	<0.095	<0.042	<0.03	<0.032	<0.028	<0.019	<0.036	<0.022	<0.034	--	<0.026	<0.17	<0.18	<0.1	<0.013
A991S02	1/3/2000	2.5	<0.22	<0.15	<0.087	<0.039	<0.028	0.0004	<0.025	<0.018	<0.033	0.0009	<0.031	--	0.003	<0.15	<0.17	<0.093	<0.012
A991S02	1/3/2000	4	<0.22	<0.16	<0.089	<0.039	<0.028	0.0003	<0.026	<0.018	<0.034	<0.02	<0.031	--	<0.025	<0.16	<0.17	<0.094	<0.012
A991S03	1/3/2000	2	<0.22	<0.15	<0.087	0.003	0.002	0.002	0.01	0.002	0.007	0.003	0.004	--	0.005	<0.15	<0.16	0.003	0.005
A991S03	1/3/2000	5	<0.23	<0.16	0.0004	<0.041	<0.029	0.0005	<0.027	0.0003	<0.035	0.0002	<0.033	--	0.0008	<0.16	<0.17	<0.098	0.003
A991S08	1/19/2000	1	<0.23	<0.16	<0.091	<0.04	<0.029	<0.031	<0.026	<0.018	<0.034	<0.021	<0.032	--	<0.025	<0.16	<0.17	<0.096	<0.013
A991S08	1/19/2000	1	<0.22	<0.15	<0.087	<0.038	<0.027	<0.03	<0.025	<0.018	<0.033	<0.02	<0.031	--	<0.024	<0.15	<0.16	0.006	<0.012
A991S08	1/19/2000	5	<2.3	<1.6	0.034	0.17	<0.29	<0.31	<0.27	<0.18	<0.35	0.015	<0.32	--	<0.25	0.26	<1.7	1.2	<0.13
A991S09	1/19/2000	1.5	<0.22	<0.15	<0.087	<0.038	<0.027	<0.03	<0.025	<0.018	<0.033	<0.02	<0.031	--	<0.024	<0.15	<0.16	0.005	<0.012
A991S09	1/19/2000	4.5	<0.23	<0.16	<0.09	<0.04	<0.029	<0.031	<0.026	<0.018	<0.034	<0.021	<0.032	--	<0.025	<0.16	<0.17	<0.096	<0.013
A991S10	1/19/2000	2	<0.22	<0.15	<0.087	<0.038	<0.027	<0.03	<0.025	<0.018	<0.033	<0.02	<0.031	--	<0.024	<0.15	<0.16	<0.092	<0.012
A991S10	1/19/2000	5	<0.22	<0.16	<0.088	<0.039	<0.028	<0.03	<0.026	<0.018	<0.033	<0.02	<0.031	--	<0.024	<0.16	<0.17	<0.093	<0.012
A991S11	1/19/2000	2	<0.23	<0.16	<0.09	<0.04	<0.028	<0.031	<0.026	<0.018	<0.034	<0.02	<0.032	--	0.002	<0.16	<0.17	0.007	0.003
A991S11	1/19/2000	4.5	<0.22	<0.16	<0.089	<0.039	<0.028	<0.03	<0.026	<0.018	<0.034	<0.02	<0.031	--	<0.025	<0.16	<0.17	<0.094	<0.012
A991S12	1/19/2000	2	<0.22	<0.15	<0.086	<0.038	<0.027	<0.029	<0.025	<0.017	<0.033	<0.02	<0.03	--	<0.024	<0.15	<0.16	<0.091	<0.012
A991S12	1/19/2000	4.5	<0.23	<0.16	<0.089	<0.04	<0.028	<0.031	<0.026	<0.018	<0.034	<0.02	<0.032	--	<0.025	<0.16	<0.17	0.011	<0.012
A991S13	4/29/2002	1.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S13	4/29/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	4/29/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S14	4/29/2002	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S15	4/25/2002	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S16	4/25/2002	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	4/25/2002	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S17	4/25/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	4/24/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S18	4/24/2002	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S19	4/25/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	4/24/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S20	4/24/2002	9.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	4/25/2002	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S21	4/25/2002	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A991S22	4/25/2002	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			PCB (mg/kg)	Pesticides (mg/kg)					TPH (mg/kg)		
Sample Location (a)	Sample Date	Sample Depth	PCB 1260	Aldrin	DDD	DDE	DDT	Dieldrin	TPH Diesel	TPH Gasoline	TPH Motor Oil
Soil Remediation Goals (mg/kg)			**1.8**	**1.2**	**89**	**54**	**4.3**	**0.002**	**8,000**	**2,400**	**58,000**
A991S01	1/3/2000	2	--	--	--	--	--	--	1,300	--	1,900
A991S01	1/3/2000	6	--	--	--	--	--	--	8.0	--	16.0
A991S01	1/3/2000	6.5	--	--	--	--	--	--	<12.0	--	4.0
A991S02	1/3/2000	2.5	--	--	--	--	--	--	<11.0	--	<11.0
A991S02	1/3/2000	4	--	--	--	--	--	--	<11.0	--	7.0
A991S03	1/3/2000	2	--	--	--	--	--	--	26.0	--	85.0
A991S03	1/3/2000	5	--	--	--	--	--	--	<12.0	--	2.0
A991S08	1/19/2000	1	--	--	--	--	--	--	<11.0	--	<11.0
A991S08	1/19/2000	1	--	--	--	--	--	--	11.0	--	2.0
A991S08	1/19/2000	5	--	--	--	--	--	--	5,400	--	100
A991S09	1/19/2000	1.5	--	--	--	--	--	--	11.0	--	<11.0
A991S09	1/19/2000	4.5	--	--	--	--	--	--	4.0	--	3.0
A991S10	1/19/2000	2	--	--	--	--	--	--	7.0	--	<11.0
A991S10	1/19/2000	5	--	--	--	--	--	--	<11.0	--	<11.0
A991S11	1/19/2000	2	--	--	--	--	--	--	<11.0	--	<11.0
A991S11	1/19/2000	4.5	--	--	--	--	--	--	<11.0	--	<11.0
A991S12	1/19/2000	2	--	--	--	--	--	--	440	--	240
A991S12	1/19/2000	4.5	--	--	--	--	--	--	7,400	--	<1,100
A991S13	4/29/2002	1.5	--	--	--	--	--	--	<12.0	--	<23.0
A991S13	4/29/2002	8.5	--	--	--	--	--	--	<19.0	--	<39.0
A991S14	4/29/2002	3.5	--	--	--	--	--	--	<12.0	--	<23.0
A991S14	4/29/2002	6.5	--	--	--	--	--	--	360	--	13.0
A991S15	4/25/2002	3	--	--	--	--	--	--	<11.0	--	<22.0
A991S15	4/25/2002	3.5	--	--	--	--	--	--	54.0	--	20.0
A991S15	4/25/2002	8	--	--	--	--	--	--	<19.0	--	<39.0
A991S16	4/25/2002	4	--	--	--	--	--	--	200	--	10.0
A991S16	4/25/2002	7.5	--	--	--	--	--	--	<19.0	--	<38.0
A991S16	4/25/2002	8	--	--	--	--	--	--	<21.0	--	<42.0
A991S17	4/25/2002	5.5	--	--	--	--	--	--	<11.0	--	<22.0
A991S17	4/25/2002	8.5	--	--	--	--	--	--	<12.0	--	<24.0
A991S18	4/24/2002	6	--	--	--	--	--	--	25.0	--	4.0
A991S18	4/24/2002	9.5	--	--	--	--	--	--	4.0	--	5.0
A991S19	4/25/2002	3.5	--	--	--	--	--	--	1,200	--	2,100
A991S19	4/25/2002	6	--	--	--	--	--	--	<11.0	--	<23.0
A991S20	4/24/2002	6	--	--	--	--	--	--	11.0	--	<24.0
A991S20	4/24/2002	9.25	--	--	--	--	--	--	86.0	--	78.0
A991S21	4/25/2002	1	--	--	--	--	--	--	230	--	84.0
A991S21	4/25/2002	8.5	--	--	--	--	--	--	<20.0	--	<39.0
A991S22	4/25/2002	3.5	--	--	--	--	--	--	13.0	--	53.0

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	Metals (mg/kg)															
			Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Nickel, Total	Selenium, Total	Silver, Total	Thallium, Total	Vanadium, Total	Zinc, Total
Soil Remediation Goals (mg/kg)			**280**	**20**	**43,000**	**1,300**	**150**	**600**	**42,000**	**26,000**	**750**	**60**	**14,000**	**3,500**	**3,500**	**49**	**4,900**	**100,000**
A991S22	4/25/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACU2S1	10/23/1996	--	--	--	--	--	2.4	68.0	--	240	300	--	14.0	--	2.2	--	--	310
ACU2S2	10/23/1996	--	--	--	--	--	0.77	63.0	--	27.0	95.0	--	14.0	--	<0.5	--	--	130
ACU2S3	10/23/1996	--	--	--	--	--	<0.5	27.0	--	14.0	120	--	15.0	--	<0.5	--	--	230
CS-1	10/9/1997	8	<2.5	6.4	14.0	<0.5	<0.5	25.0	2.4	18.0	24.0	<0.06	19.0	<2.5	<1.0	<0.5	15.0	41.0
CS-2	10/8/1997	8	<2.5	16.0	34.0	<0.5	<0.5	13.0	5.1	11.0	13.0	0.22	11.0	<2.5	<1.0	<0.5	19.0	76.0
CS-3	10/8/1997	8	<2.5	17.0	33.0	<0.5	<0.5	2.0	<2.0	19.0	8.7	0.24	<2.0	<2.5	<1.0	<0.5	5.2	110
CS-4	10/8/1997	8	<2.5	**22.0**	56.0	<0.5	<0.5	2.2	<2.0	9.2	9.2	0.22	3.6	<2.5	<1.0	<0.5	8.8	84.0
CS-5	10/8/1997	8	<2.5	17.0	28.0	<0.5	<0.5	2.6	3.3	17.0	21.0	0.18	<2.0	<2.5	<1.0	<0.5	7.9	100
CS-6	10/8/1997	8	<2.5	9.5	13.0	<0.5	<0.5	22.0	2.5	8.6	10.0	<0.06	15.0	<2.5	<1.0	<0.5	13.0	20.0
CS-7	10/8/1997	8	<2.5	17.0	37.0	<0.5	<0.5	22.0	6.8	11.0	13.0	0.065	19.0	<2.5	<1.0	<0.5	31.0	50.0
CS-8	10/8/1997	8	<2.5	**20.0**	54.0	<0.5	<0.5	19.0	11.0	12.0	16.0	<0.06	17.0	<2.5	<1.0	<0.5	49.0	68.0
CS-9	10/8/1997	8	<2.5	14.0	27.0	<0.5	<0.5	17.0	6.0	11.0	11.0	0.17	15.0	<2.5	<1.0	<0.5	29.0	60.0
CS-10	10/8/1997	8	<2.5	16.0	15.0	<0.5	<0.5	24.0	3.1	6.8	39.0	<0.06	18.0	<2.5	<1.0	<0.5	16.0	68.0
CS-11	10/8/1997	8	3.4	14.0	50.0	<0.5	<0.5	23.0	3.9	15.0	51.0	0.17	18.0	<2.5	<1.0	<0.5	24.0	120
CS-12	10/8/1997	8	<2.5	14.0	23.0	<0.5	<0.5	12.0	2.6	10.0	11.0	0.14	10.0	<2.5	<1.0	<0.5	13.0	150
CS-13	10/8/1997	8	<2.5	8.4	9.8	<0.5	<0.5	21.0	<2.0	3.3	6.5	<0.06	15.0	<2.5	<1.0	<0.5	13.0	12.0
CS-14	10/8/1997	8	<2.5	15.0	29.0	<0.5	<0.5	4.9	2.0	4.6	15.0	0.11	<2.0	<2.5	<1.0	<0.5	5.1	97.0
CS-15	10/8/1997	8	<2.5	19.0	43.0	<0.5	<0.5	23.0	23.0	27.0	12.0	<0.06	20.0	<2.5	<1.0	<0.5	53.0	60.0
ICFMW215	10/25/2001	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW232	10/25/2001	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW233	10/24/2001	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2P2	3/11/1998	2	<0.55	1.8	56.5	0.16	<0.28	3.4	3.1	9.8	3.6	0.22	4.8	<0.55	<7.7	<1.1	5.3	81.2
ICFU2P2	3/11/1998	2.25	0.2	1.5	24.3	0.12	<0.29	4.6	2.0	51.8	3.8	0.57	4.4	<0.58	<8.1	<1.2	8.5	165
ICFU2P3	3/11/1998	2.33	0.19	3.4	94.4	0.28	0.11	27.5	5.3	33.9	12.2	0.26	15.4	<0.56	0.11	<1.1	16.2	96.2
ICFU2P3	3/11/1998	2.58	0.15	3.5	85.8	0.21	0.068	23.3	6.7	34.3	12.7	0.2	15.8	<0.57	<8.0	<1.1	18.7	90.8
ICFU2P4	3/11/1998	2.33	0.27	2.9	52.0	0.2	0.2	17.7	3.7	7.6	6.9	0.2	5.1	<0.53	<7.4	<1.1	10.6	103
ICFU2S1	3/2/1998	1	1.8	7.3	76.7	0.41	<0.28	67.3	12.3	32.6	10.5	0.14	42.0	1.3	<7.8	<1.1	39.6	70.9
ICFU2S1	3/2/1998	1.5	0.85	1.7	24.3	0.19	<0.27	4.4	2.1	4.6	5.7	0.4	3.0	0.26	<7.7	<1.1	4.3	80.2
ICFU2S2	3/3/1998	1.25	1.3	6.0	182	0.27	<0.29	38.7	12.0	26.0	8.7	0.19	43.8	0.53	<8.0	<1.1	40.6	69.3
ICFU2S3	3/3/1998	1	0.41	9.3	64.9	0.29	<0.27	1.7	6.8	5.9	6.7	0.16	3.8	0.87	<7.4	0.2	7.4	81.6
ICFU2S4	3/3/1998	1	1.0	9.6	67.3	0.45	<0.28	42.7	15.7	35.7	13.4	0.13	49.1	0.63	<7.9	<1.1	47.3	83.7
ICFU2S8	3/2/1998	0.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2S9	3/3/1998	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2S21	3/2/1998	2	<0.54	2.1	66.8	0.22	<0.27	2.9	2.6	5.1	4.0	0.34	3.9	0.86	<7.6	<1.1	6.0	89.6
ICFU2S22	3/2/1998	1.5	0.25	1.4	60.1	0.22	<0.27	2.1	2.5	3.9	4.2	0.38	2.7	0.52	<7.6	<1.1	4.8	8.0
ICFU2S23	3/2/1998	1.7	0.56	1.7	26.9	0.2	<0.28	1.2	3.4	7.2	3.9	0.5	1.5	1.0	<7.8	<1.1	7.7	79.6
ICFU2S24	3/2/1998	1	0.97	2.0	50.1	0.18	<0.28	8.4	4.3	9.6	13.9	0.39	14.4	0.86	<8.0	<1.1	11.4	836
ITU2S83	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	VOCs (mg/kg)																		
			Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total (c)
Soil Remediation Goals (mg/kg)			**0.5**	**0.3**	**550**	**200**	**290**	**950**	**0.1**	**18**	**38**	**24**	**3,800**	**4.8**	**350**	**2.8**	**8.4**	**2.5**	**170**	**87**	**1**
A991S22	4/25/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACU2S1	10/23/1996	--	<0.5	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.25	--	<0.1	<0.1	<0.1	--	--	<0.1
ACU2S2	10/23/1996	--	<0.5	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.25	--	<0.1	<0.1	<0.1	--	--	<0.1
ACU2S3	10/23/1996	--	<0.5	<0.1	--	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.25	--	<0.1	<0.1	<0.1	--	--	<0.1
CS-1	10/9/1997	8	<0.01	<0.005	<0.005	<0.005	<0.005	0.0051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-2	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-3	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-4	10/8/1997	8	<0.035	<0.035	0.36	0.18	0.15	<0.035	<0.035	<0.035	<0.035	<0.035	0.051	<0.035	0.11	<0.035	<0.035	<0.035	0.88	0.43	0.27
CS-5	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	0.0061	0.013	<0.005
CS-6	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	0.0085	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-7	10/8/1997	8	<0.03	0.012	0.0079	<0.005	0.0063	0.01	<0.005	<0.005	<0.005	0.029	0.01	<0.01	0.013	<0.012	0.015	<0.005	0.039	0.015	0.18
CS-8	10/8/1997	8	<0.03	<0.005	0.072	0.045	0.025	<0.005	<0.005	<0.005	<0.005	<0.005	0.016	<0.01	0.023	<0.012	<0.005	<0.005	0.15	0.066	0.037
CS-9	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	0.0052	<0.012	<0.005	<0.005	0.014	0.01	0.009
CS-10	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-11	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-12	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-13	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
CS-14	10/8/1997	8	<0.05	<0.05	0.78	0.45	0.4	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05	0.39	<0.05	<0.05	<0.05	0.85	0.88	0.72
CS-15	10/8/1997	8	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	0.018	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005
ICFMW215	10/25/2001	8.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW232	10/25/2001	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFMW233	10/24/2001	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2P2	3/11/1998	2	<0.055	<0.0055	--	--	--	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	--	<0.055	--	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
ICFU2P2	3/11/1998	2.25	<0.058	<0.0058	--	--	--	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	--	<0.058	--	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058
ICFU2P3	3/11/1998	2.33	<0.056	<0.0056	--	--	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	--	<0.056	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
ICFU2P3	3/11/1998	2.58	<0.057	<0.0057	--	--	--	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	--	<0.057	--	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
ICFU2P4	3/11/1998	2.33	<0.053	<0.0053	--	--	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	--	<0.053	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
ICFU2S1	3/2/1998	1	0.008	<0.0056	--	--	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	--	0.003	--	<0.0056	<0.0056	<0.0056	--	--	<0.0056
ICFU2S1	3/2/1998	1.5	0.019	<0.0055	--	--	--	<0.0055	<0.0055	0.004	<0.0055	<0.0055	--	0.042	--	<0.0055	<0.0055	<0.0055	--	--	<0.0055
ICFU2S2	3/3/1998	1.25	0.01	<0.0057	--	--	--	<0.0057	<0.0057	0.0007	<0.0057	<0.0057	--	0.0006	--	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
ICFU2S3	3/3/1998	1	0.01	<0.0053	--	--	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	--	0.001	--	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
ICFU2S4	3/3/1998	1	0.009	<0.0056	--	--	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	--	<0.056	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
ICFU2S8	3/2/1998	0.75	0.009	<0.0055	--	--	--	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	--	0.0008	--	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
ICFU2S9	3/3/1998	2	0.01	<0.0055	--	--	--	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	--	0.0005	--	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
ICFU2S21	3/2/1998	2	0.009	<0.0054	--	--	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	--	0.0008	--	<0.0054	<0.0054	<0.0054	--	--	<0.0054
ICFU2S22	3/2/1998	1.5	0.008	<0.0054	--	--	--	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	--	0.0008	--	<0.0054	<0.0054	<0.0054	--	--	<0.0054
ICFU2S23	3/2/1998	1.7	0.011	<0.0056	--	--	--	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	--	0.003	--	<0.0056	0.0006	<0.0056	--	--	0.0006
ICFU2S24	3/2/1998	1	0.011	<0.0057	--	--	--	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	--	0.002	--	<0.0057	<0.0057	<0.0057	--	--	<0.0057
ITU2S83	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	SVOCs (mg/kg)																
			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Indeno(1,2,3-cd)pyrene	Chrysene2	Dibenzo(a,h) Anthracene	bis(2-Ethylhexyl)phthalate	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Pyrene
Soil Remediation Goals (mg/kg)			**16**	**120**	**2.9**	**7.6**	**0.8**	**7.6**	**5.3**	**7.6**	**7.6**	**4.7**	**2.2**	**100**	**60**	**5.1**	**4.9**	**11**	**55**
A991S22	4/25/2002	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACU2S1	10/23/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACU2S2	10/23/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACU2S3	10/23/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CS-1	10/9/1997	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.5	--	--
CS-2	10/8/1997	8	<33.0	<33.0	<33.0	<33.0	<33.0	<33.0	<33.0	<33.0	<33.0	<33.0	<33.0	<33.0	**130**	**55.0**	<33.0	**280**	**90.0**
CS-3	10/8/1997	8	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
CS-4	10/8/1997	8	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
CS-5	10/8/1997	8	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
CS-6	10/8/1997	8	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
CS-7	10/8/1997	8	5.2	<0.66	2.8	0.93	<0.66	<0.66	<0.66	<0.66	<0.66	0.9	<0.66	<0.66	6.7	**6.3**	1.1	4.5	6.4
CS-8	10/8/1997	8	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
CS-9	10/8/1997	8	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
CS-10	10/8/1997	8	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
CS-11	10/8/1997	8	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
CS-12	10/8/1997	8	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
CS-13	10/8/1997	8	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
CS-14	10/8/1997	8	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<6.3	<3.3	<3.3
CS-15	10/8/1997	8	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
ICFMW215	10/25/2001	8.5	<0.4	<0.16	0.01	0.03	0.077	0.02	<0.016	0.095	<0.016	<0.016	<0.04	--	0.1	<0.016	<0.4	0.065	0.29
ICFMW232	10/25/2001	6	<0.056	<0.022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0056	--	<0.0022	<0.0022	<0.056	<0.0022	<0.0022
ICFMW233	10/24/2001	5.5	<0.056	<0.022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0056	--	<0.0022	<0.0022	<0.056	<0.0022	<0.0022
ICFU2P2	3/11/1998	2	<0.22	<0.15	<0.087	<0.039	<0.028	<0.03	<0.025	<0.018	<0.033	<0.02	<0.031	--	<0.024	<0.15	<0.17	<0.093	<0.012
ICFU2P2	3/11/1998	2.25	<0.23	<0.16	<0.091	<0.04	<0.029	<0.031	<0.027	<0.018	<0.035	<0.021	<0.032	--	<0.025	<0.16	<0.17	<0.097	<0.013
ICFU2P3	3/11/1998	2.33	<0.23	<0.16	0.002	0.009	0.017	0.01	<0.026	<0.018	0.013	0.006	<0.032	--	0.016	<0.16	<0.17	0.008	0.017
ICFU2P3	3/11/1998	2.58	<0.23	<0.16	0.001	<0.04	0.016	<0.031	0.06	<0.018	<0.034	<0.021	<0.032	--	0.007	<0.16	<0.17	0.004	0.008
ICFU2P4	3/11/1998	2.33	<0.21	<0.15	<0.084	<0.037	<0.026	0.0004	<0.024	<0.017	<0.032	<0.019	<0.03	--	0.002	<0.15	<0.16	<0.089	0.004
ICFU2S1	3/2/1998	1	<0.22	<0.16	<0.088	0.005	0.01	0.007	<0.026	0.001	0.007	0.005	<0.031	--	0.01	<0.16	<0.17	0.004	0.014
ICFU2S1	3/2/1998	1.5	<0.22	<0.15	0.012	0.002	0.007	0.003	<0.025	0.004	0.007	0.009	<0.031	--	0.007	0.046	<0.16	0.042	0.021
ICFU2S2	3/3/1998	1.25	<0.23	<0.16	0.0007	0.002	<0.029	<0.031	<0.026	<0.018	<0.034	0.0006	<0.032	--	0.004	<0.16	<0.17	0.003	0.002
ICFU2S3	3/3/1998	1	<0.21	<0.15	0.011	0.003	0.005	0.003	<0.024	0.0009	<0.032	0.003	<0.03	--	0.013	<0.15	0.15	0.034	0.01
ICFU2S4	3/3/1998	1	<0.23	<0.16	0.002	0.003	<0.028	0.0009	<0.026	<0.018	<0.034	0.002	<0.032	--	0.008	<0.16	<0.17	0.012	0.007
ICFU2S8	3/2/1998	0.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2S9	3/3/1998	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICFU2S21	3/2/1998	2	<0.22	<0.15	<0.086	0.003	0.005	0.002	<0.025	<0.017	0.001	0.003	<0.03	--	0.004	<0.15	<0.16	<0.091	0.002
ICFU2S22	3/2/1998	1.5	<0.22	<0.15	<0.086	<0.038	<0.027	<0.029	<0.025	<0.017	<0.033	<0.02	<0.031	--	<0.024	<0.15	<0.16	0.0007	<0.012
ICFU2S23	3/2/1998	1.7	<0.22	<0.16	<0.088	0.002	<0.028	<0.03	<0.026	<0.018	<0.033	0.0005	<0.031	--	0.002	<0.16	<0.17	0.004	0.001
ICFU2S24	3/2/1998	1	<0.23	<0.16	<0.09	0.015	0.035	0.021	<0.026	0.008	<0.034	0.017	<0.032	--	0.031	<0.16	<0.17	0.01	0.028
ITU2S83	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			PCB (mg/kg)	Pesticides (mg/kg)					TPH (mg/kg)		
Sample Location (a)	Sample Date	Sample Depth	PCB 1260	Aldrin	DDD	DDE	DDT	Dieldrin	TPH Diesel	TPH Gasoline	TPH Motor Oil
Soil Remediation Goals (mg/kg)			**1.8**	**1.2**	**89**	**54**	**4.3**	**0.002**	**8,000**	**2,400**	**58,000**
A991S22	4/25/2002	6	--	--	--	--	--	--	<12.0	--	<24.0
ACU2S1	10/23/1996	--	0.19	--	--	--	--	--	2,700	880	7,300
ACU2S2	10/23/1996	--	<0.1	--	--	--	--	--	460	180	1,100
ACU2S3	10/23/1996	--	<0.02	--	--	--	--	--	8.1	2.5	26.0
CS-1	10/9/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	3.0	--	--
CS-2	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	77.0	--	--
CS-3	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	<1.0	--	--
CS-4	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	2,300	--	--
CS-5	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	1,500	--	--
CS-6	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	<1.0	--	--
CS-7	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	200	--	--
CS-8	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	1,100	--	--
CS-9	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	11.0	--	--
CS-10	10/8/1997	8	--	<0.02	<0.02	<0.02	0.02	<0.02	5.2	--	--
CS-11	10/8/1997	8	--	<0.02	<0.02	<0.02	0.041	**0.023**	280	--	--
CS-12	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	<1.0	--	--
CS-13	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	<1.0	--	--
CS-14	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	**8,200**	--	--
CS-15	10/8/1997	8	--	<0.02	<0.02	<0.02	<0.02	<0.02	110	--	--
ICFMW215	10/25/2001	8.5	--	--	--	--	--	--	220	--	335
ICFMW232	10/25/2001	6	--	--	--	--	--	--	5,670	--	87.0
ICFMW233	10/24/2001	5.5	--	--	--	--	--	--	15.0	--	7.0
ICFU2P2	3/11/1998	2	<0.11	--	--	--	--	--	<11.0	--	<11.0
ICFU2P2	3/11/1998	2.25	<0.12	--	--	--	--	--	<12.0	--	<12.0
ICFU2P3	3/11/1998	2.33	<0.11	--	--	--	--	--	23.0	--	170
ICFU2P3	3/11/1998	2.58	<0.11	--	--	--	--	--	17.0	--	160
ICFU2P4	3/11/1998	2.33	0.016	--	--	--	--	--	34.0	--	90.0
ICFU2S1	3/2/1998	1	0.045	--	--	--	--	--	1,210	--	320
ICFU2S1	3/2/1998	1.5	0.02	--	--	--	--	--	610	--	710
ICFU2S2	3/3/1998	1.25	<0.11	--	--	--	--	--	3.0	--	<11.0
ICFU2S3	3/3/1998	1	<0.11	--	--	--	--	--	5.0	--	66.0
ICFU2S4	3/3/1998	1	<0.11	--	--	--	--	--	5.0	--	<11.0
ICFU2S8	3/2/1998	0.75	<0.11	<0.011	<0.022	<0.022	0.0006	<0.022	21.0	--	90.0
ICFU2S9	3/3/1998	2	<0.11	<0.011	<0.022	<0.022	<0.022	0.001	4.0	--	2.0
ICFU2S21	3/2/1998	2	<0.11	--	--	--	--	--	5.0	--	16.0
ICFU2S22	3/2/1998	1.5	<0.11	--	--	--	--	--	6.0	--	9.0
ICFU2S23	3/2/1998	1.7	<0.11	--	--	--	--	--	13.0	--	24.0
ICFU2S24	3/2/1998	1	0.024	--	--	--	--	--	34.0	--	150
ITU2S83	9/6/2001	--	--	<0.005	0.62	0.33	2.54	**0.54**	<100	--	250

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	Metals (mg/kg)															
			Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Lead, Total	Mercury, Total	Nickel, Total	Selenium, Total	Silver, Total	Thallium, Total	Vanadium, Total	Zinc, Total
Soil Remediation Goals (mg/kg)			**280**	**20**	**43,000**	**1,300**	**150**	**600**	**42,000**	**26,000**	**750**	**60**	**14,000**	**3,500**	**3,500**	**49**	**4,900**	**100,000**
ITU2S84	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S85	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S85	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S86	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S87	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S88	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S89	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S107	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S112	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S113	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	3/28/1996	4.5-14.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	3/28/1996	2.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-5	3/28/1996	2.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB1	2/27/1996	3.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB1	2/27/1996	3.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB10	2/28/1996	3.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB2	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB3	2/27/1996	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB4	2/28/1996	2.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB5	2/28/1996	2.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB7	2/28/1996	2.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB8	2/28/1996	2.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KSB9	2/28/1996	3.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-1(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-2(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-3(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-4(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-5(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-6(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-7(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-PA	5/9/1989	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-PB	5/9/1989	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T991S01	10/21/1999	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T991S02	10/21/1999	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T991S03	10/21/1999	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T991S04	10/21/1999	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T991S04	10/21/1999	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	VOCs (mg/kg)																		
			Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene Chloride	n-Propylbenzene	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total (c)
Soil Remediation Goals (mg/kg)			**0.5**	**0.3**	**550**	**200**	**290**	**950**	**0.1**	**18**	**38**	**24**	**3,800**	**4.8**	**350**	**2.8**	**8.4**	**2.5**	**170**	**87**	**1**
ITU2S84	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S85	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S85	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S86	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S87	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S88	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S89	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S107	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S112	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S113	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	3/28/1996	4.5-14.5	--	<0.002	--	--	--	--	<0.0024	<0.0024	<0.0024	<0.002	--	<0.0024	--	<0.0024	<0.002	<0.0024	--	--	<0.002
K991MW-5	3/28/1996	2.25	--	<0.002	--	--	--	--	<0.002	<0.002	<0.002	<0.002	--	<0.002	--	<0.002	<0.002	<0.002	--	--	<0.002
K991MW-5	3/28/1996	2.75	--	<0.002	--	--	--	--	<0.0023	<0.0023	<0.0023	<0.002	--	<0.0023	--	<0.0023	<0.002	<0.0023	--	--	<0.002
KSB1	2/27/1996	3.25	--	<0.002	--	--	--	--	<0.0023	<0.0023	<0.0023	<0.002	--	<0.0057	--	<0.0023	<0.002	<0.0023	--	--	<0.002
KSB1	2/27/1996	3.75	--	<0.002	--	--	--	--	<0.0023	<0.0023	<0.0023	<0.002	--	<0.0057	--	<0.0023	<0.002	<0.0023	--	--	<0.002
KSB10	2/28/1996	3.25	--	<0.002	--	--	--	--	<0.0022	<0.0022	<0.0022	<0.002	--	<0.0055	--	<0.0022	<0.002	<0.0022	--	--	<0.002
KSB2	2/27/1996	4	--	<0.01	--	--	--	--	<0.012	<0.012	<0.012	<0.01	--	<0.029	--	<0.012	<0.01	<0.012	--	--	<0.01
KSB3	2/27/1996	4	--	<0.01	--	--	--	--	<0.011	<0.011	<0.011	<0.01	--	<0.027	--	<0.011	<0.01	<0.011	--	--	0.02
KSB4	2/28/1996	2.75	--	<0.002	--	--	--	--	<0.0024	<0.0024	<0.0024	<0.002	--	<0.0059	--	<0.0024	<0.002	<0.0024	--	--	<0.002
KSB5	2/28/1996	2.25	--	<0.002	--	--	--	--	<0.0021	<0.0021	<0.0021	<0.002	--	0.0088	--	<0.0021	<0.002	<0.0021	--	--	<0.002
KSB7	2/28/1996	2.75	--	<0.002	--	--	--	--	<0.0022	<0.0022	<0.0022	<0.002	--	<0.0054	--	<0.0022	<0.002	<0.0022	--	--	<0.002
KSB8	2/28/1996	2.75	--	<0.002	--	--	--	--	<0.0021	<0.0023	<0.0023	<0.002	--	<0.0056	--	<0.0021	<0.002	<0.0023	--	--	<0.002
KSB9	2/28/1996	3.25	--	<0.002	--	--	--	--	<0.0022	<0.0022	<0.0022	<0.002	--	<0.0054	--	<0.0022	<0.002	<0.0022	--	--	<0.002
OE-1(BLD 991	10/18/1994	6	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.01
OE-2(BLD 991	10/18/1994	6	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.01
OE-3(BLD 991	10/18/1994	6	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.01
OE-4(BLD 991	10/18/1994	6	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.01
OE-5(BLD 991	10/18/1994	6	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.01
OE-6(BLD 991	10/18/1994	6	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.01
OE-7(BLD 991	10/18/1994	6	--	<0.005	--	--	--	--	--	--	--	<0.005	--	--	--	--	<0.005	--	--	--	<0.01
S-PA	5/9/1989	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-PB	5/9/1989	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T991S01	10/21/1999	2	--	0.0047	--	--	--	--	--	--	--	<0.0056	--	--	--	--	<0.0056	--	--	--	--
T991S02	10/21/1999	2	--	<0.0053	--	--	--	--	--	--	--	<0.0053	--	--	--	--	<0.0053	--	--	--	--
T991S03	10/21/1999	1.8	--	<0.0057	--	--	--	--	--	--	--	<0.0057	--	--	--	--	<0.0057	--	--	--	--
T991S04	10/21/1999	2	--	<0.0062	--	--	--	--	--	--	--	<0.0062	--	--	--	--	<0.0062	--	--	--	--
T991S04	10/21/1999	2	--	<0.0066	--	--	--	--	--	--	--	<0.0066	--	--	--	--	<0.0066	--	--	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Location (a)	Sample Date	Sample Depth	SVOCs (mg/kg)																
			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Indeno(1,2,3-cd)pyrene	Chrysene2	Dibenzo(a,h) Anthracene	bis(2-Ethylhexyl)phthalate	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Pyrene
Soil Remediation Goals (mg/kg)			**16**	**120**	**2.9**	**7.6**	**0.8**	**7.6**	**5.3**	**7.6**	**7.6**	**4.7**	**2.2**	**100**	**60**	**5.1**	**4.9**	**11**	**55**
ITU2S84	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S85	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S85	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S86	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S87	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S88	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S89	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S107	9/6/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S112	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ITU2S113	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
K991MW-4	3/28/1996	4.5-14.5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.056	<0.33	<0.33	<0.33	0.1	<0.33
K991MW-5	3/28/1996	2.25	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.065	<0.33	<0.33	0.034	0.12	0.041
K991MW-5	3/28/1996	2.75	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.043	<0.33	<0.33	<0.33	<0.33	<0.33
KSB1	2/27/1996	3.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB1	2/27/1996	3.75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB10	2/28/1996	3.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB2	2/27/1996	4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB3	2/27/1996	4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB4	2/28/1996	2.75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB5	2/28/1996	2.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB7	2/28/1996	2.75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB8	2/28/1996	2.75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KSB9	2/28/1996	3.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
OE-1(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-2(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-3(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-4(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-5(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-6(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OE-7(BLD 991	10/18/1994	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-PA	5/9/1989	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-PB	5/9/1989	7.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T991S01	10/21/1999	2	<0.15	0.064	<0.0078	<0.0078	<0.0078	<0.015	<0.015	<0.0078	<0.0078	<0.0078	<0.015	--	<0.015	<0.015	<0.078	<0.0078	<0.0078
T991S02	10/21/1999	2	<0.15	<0.076	<0.0076	<0.0076	<0.0076	<0.015	<0.015	<0.0076	<0.0076	0.0026	<0.015	--	<0.015	<0.015	<0.076	0.0038	<0.0076
T991S03	10/21/1999	1.8	<0.15	<0.077	<0.0077	0.0044	0.0083	0.0076	<0.015	<0.0077	<0.0077	0.014	<0.015	--	0.014	<0.015	<0.077	0.0063	0.0063
T991S04	10/21/1999	2	<0.72	<0.36	<0.036	0.053	0.055	0.075	<0.07	<0.036	<0.036	0.092	<0.07	--	0.23	<0.07	<0.36	0.11	0.18
T991S04	10/21/1999	2	<0.72	<0.36	<0.036	<0.036	<0.036	0.041	<0.071	<0.036	<0.036	0.076	<0.071	--	<0.071	<0.071	<0.36	0.1	<0.036

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

			PCB (mg/kg)	Pesticides (mg/kg)					TPH (mg/kg)		
Sample Location (a)	Sample Date	Sample Depth	PCB 1260	Aldrin	DDD	DDE	DDT	Dieldrin	TPH Diesel	TPH Gasoline	TPH Motor Oil
Soil Remediation Goals (mg/kg)			**1.8**	**1.2**	**89**	**54**	**4.3**	**0.002**	**8,000**	**2,400**	**58,000**
ITU2S84	9/6/2001	--	--	<0.022	0.21	0.26	0.36	**11.4**	27.0	--	41.0
ITU2S85	9/6/2001	--	--	0.002	0.038	0.06	0.1	**0.35**	5.0	--	21.0
ITU2S85	9/6/2001	--	--	0.16	1.31	1.0	3.85	**6.11**	25.0	--	91.0
ITU2S86	9/6/2001	--	--	<0.0011	0.005	0.001	0.0062	**0.028**	28.0	--	44.0
ITU2S87	9/6/2001	--	--	<0.0052	<0.01	0.006	0.02	**0.01**	130	--	720
ITU2S88	9/6/2001	--	--	<0.0051	0.41	0.55	1.27	**0.028**	10.0	--	62.0
ITU2S89	9/6/2001	--	--	<0.0054	0.1	0.28	0.29	**0.01**	13.0	--	71.0
ITU2S107	9/6/2001	--		0.002	0.28	0.17	0.43	**0.15**	4		33
ITU2S112	10/2/2001	--		<0.001	0.002	0.001	0.003	**0.0065**	<10		<10
ITU2S113	10/2/2001	--		<0.0011	<0.0021	0.004	0.003	**0.056**	3		8
K991MW-4	3/28/1996	4.5-14.5	--	--	--	--	--	--	<12.0	<0.06	--
K991MW-5	3/28/1996	2.25	--	--	--	--	--	--	<10.0	<0.051	--
K991MW-5	3/28/1996	2.75	--	--	--	--	--	--	<11.0	<0.057	--
KSB1	2/27/1996	3.25	<0.11	<0.0058	<0.011	<0.011	<0.011	<0.011	<34.0	0.11	--
KSB1	2/27/1996	3.75	<0.11	<0.0058	<0.011	<0.011	<0.011	<0.011	<34.0	<0.057	--
KSB10	2/28/1996	3.25	--	--	--	--	--	--	<33.0	<0.055	--
KSB2	2/27/1996	4	<0.11	<0.0059	<0.011	0.0012	<0.011	<0.011	619	33.4	--
KSB3	2/27/1996	4	<0.11	0.015	0.0016	0.00076	<0.011	**0.0077**	200	21.8	--
KSB4	2/28/1996	2.75	--	--	--	--	--	--	38.2	<0.059	--
KSB5	2/28/1996	2.25	<0.1	<0.0053	<0.01	<0.01	<0.01	<0.01	<31.0	<0.052	--
KSB7	2/28/1996	2.75	--	--	--	--	--	--	<33.0	<0.054	--
KSB8	2/28/1996	2.75	--	--	--	--	--	--	<34.0	<0.056	--
KSB9	2/28/1996	3.25	<0.11	<0.0055	0.0033	0.0015	<0.011	<0.011	<32.0	<0.054	--
OE-1(BLD 991	10/18/1994	6	--	--	--	--	--	--	98.0	<1.0	--
OE-2(BLD 991	10/18/1994	6	--	--	--	--	--	--	<10.0	<1.0	--
OE-3(BLD 991	10/18/1994	6	--	--	--	--	--	--	<10.0	<1.0	--
OE-4(BLD 991	10/18/1994	6	--	--	--	--	--	--	130	<1.0	--
OE-5(BLD 991	10/18/1994	6	--	--	--	--	--	--	<10.0	<1.0	--
OE-6(BLD 991	10/18/1994	6	--	--	--	--	--	--	10.0	<1.0	--
OE-7(BLD 991	10/18/1994	6	--	--	--	--	--	--	<10.0	<1.0	--
S-PA	5/9/1989	7.5	--	--	--	--	--	--	<10.0	--	--
S-PB	5/9/1989	7.5	--	--	--	--	--	--	<10.0	--	--
T991S01	10/21/1999	2	--	--	--	--	--	--	13.0	--	--
T991S02	10/21/1999	2	--	--	--	--	--	--	47.0	--	--
T991S03	10/21/1999	1.8	--	--	--	--	--	--	280	--	--
T991S04	10/21/1999	2	--	--	--	--	--	--	1,500	--	--
T991S04	10/21/1999	2	--	--	--	--	--	--	3,800	--	--

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Abbreviations:
mg/kg
VOCs
SVOCs
PCBs
TPH

Notes:
(a) Data from excavated samples, e.g., ITU2S108, ITU2S109, is not included in this table.
(b) "--" indicates that sample was not analyzed for this constituent, or that the sample collection depth is unknown.
(c) Total Xylene value represents sum of o, m, and p-Xylenes.

TABLE 3
SAMPLING RATIONALE
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample Collection Objectives		Sample Collection Rationale
RAP Site		
Building 991	Evaluate the nature and extent of chemical releases under Building 991 to aid in remedial design, i.e., evaluate potential excavated soil volumes and characterize impacted soil, if any, for potential disposal classification.	Only xylenes were found in one soil sample at concentrations above Remediation Goals in soil below Building 991 (at 5 ft bgs in boring A991S08), but the Army conducted only limited soil sampling beneath Building 991 that did not specifically target numerous areas of potential TPH releases. Nine boreholes (B991SL001 through B991SL009) are placed in locations of potential TPH (1) releases: below cracks in the concrete, near fuel sumps, along lubrication pit, near floor drains, and near other structures that may have impacted soil under Building 991. VOC will be analyzed at B991SL006 and B991SL009 to determine if xylene remains in soil above Remediation Goals. PAHs, metals, and VOCs will be analyzed for disposal classification in five soil samples.
Concrete Wash Pad	Evaluate the nature and extent of chemical releases under and adjacent to the wash pad to aid in remedial design, i.e., evaluate potential excavated soil volumes and characterize impacted soil, if any, for potential disposal classification; Collect parameters to be used to evaluate pesticide mobility.	No soil samples have been collected directly beneath or around the wash pad. Nine boreholes (B991SL010 through B991SL018) are placed in locations of potential TPH, PAHs, PCBs, metals, and pesticides releases: below cracks in the concrete, near grouted sump, and adjacent to the wash pad. Samples from boreholes placed east of the wash pad will be analyzed for fate and transport parameters to evaluate pesticide mobility and to facilitate determination of site-specific Remediation Goal for soil. VOCs will be analyzed at nine locations to determine the impact, if any, of solvent washing at washpad. PAHs, PCBs, and metals will also be analyzed for disposal classification and determination of presence and extent of potential releases of these chemicals.
TPH in Groundwater	Evaluate the lateral extent of residual Total Petroleum Hydrocarbon ("TPH") impacted shallow groundwater and the presence of floating product under RAP structures (Building 991 and wash pad) and their connection to other TPH-Impacted RMP locations. Results will aid in determination of the planned excavation area for TPH-impacted soil and the planned area of in-situ groundwater treatment for reduction of TPH concentrations.	The Army conducted only limited groundwater sampling beneath Building 991 and TPHd was found above Remediation Goals in several samples (A991S108, ICFU2S3, ICFMW226, and A991S12). The lateral extent of TPH-impacted groundwater appears to be limited; however, some of the wells have not been tested in several years, and a "snap-shot" of the current groundwater conditions at all the monitoring wells and planned soil borings is needed to verify the current nature and extent of groundwater contamination. Sampling will include 25 grab groundwater samples at the Site and 15 groundwater samples from existing groundwater monitoring wells within the Site. The wells will be analyzed for TPH under either this Pre-design Investigation or the *Final Groundwater Monitoring Plan* (EKI, 2004), as indicated in Table 6. Groundwater from existing wells will be analyzed for *in-situ* remediation parameters to aid in remedial design of the Site. As some soil data will be needed to determine the applicability of *in-situ* remediation of TPH, three samples (B991SL009, B991SL019, B991SL023) will be analyzed for *in-situ* remediation parameters.
Former Oil/Water Separator, Septic Tank, Gravel Trench	Evaluate the nature and extent of residual chemical occurrences at the former oil/water separator, septic tank, and gravel trench areas, evaluate whether they were remediated to current Remediation Goals, and characterize impacted soil, if any, for disposal classification.	Two boreholes (B991SL024 through B991SL025) are placed in locations of potential TPH release: one at the bottom of the former excavated footprint where residual TPH may still exist (IT, 1998), and one adjacent to the gravel trench formerly containing Building 991 wastewater. Borehole B991SL022 targets both potential residual contamination northeast of the former septic tank excavation, as well as discharge pipes in the area. One sample (B991SL025) will be analyzed for pesticides due to a historical Remediation Goal exceedence for dieldrin in a nearby sample (KSB3). PAHs, metals, and VOCs will be analyzed for disposal classification at B991SL025.

TABLE 3
SAMPLING RATIONALE
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

	Sample Collection Objectives	Sample Collection Rationale
RMP Locations and RMP Implementation Areas		
Discharge Pipes	Evaluate the nature and extent of chemical releases along former discharge pipes adjoining Building 991 to aid in remedial design, i.e., evaluate potential excavated soil volumes and characterize impacted soil, if any, for potential disposal classification.	Five boreholes (B991SL019 through B991SL023) are placed in locations of potential TPH release: adjacent to abandoned-in-place discharge pipes that may have contained TPH wastes. PAHs, metals, and VOCs will be analyzed for disposal classification at B991SL022.
Railroad Tracks and Fenceline North of Wash Pad	Evaluate the presence and extent of pesticides in soil above Remediation Goals between the railroad tracks and fence line.	Six boreholes (B991SL026 through B991SL031) are placed on both sides of the railroad track, north of the railroad track, and near monitoring well ICFMW231 to evaluate the extent of dieldrin and other pesticides that remain in sidewall soil samples from the Army's wetland excavation at concentrations above Remediation Goals (locations with exceedances shown on Figure 2). Pesticides will be analyzed at each of the six sample locations to determine the extent of pesticide impact. Per the request of DTSC, the samples will also be analyzed for PCBs.
Fill Terminal West of UST O	Evaluate if the fill terminal is a source of petroleum hydrocarbons to soil.	One borehole (B991SL032) is placed adjacent to a fill terminal and its associated piping that may remain underground. TPH will be analyzed to determine if fill terminal and associated piping are a source of petroleum hydrocarbons to soil.
Former Excavation Area North of AST 991	Evaluate the extent of petroleum hydrocarbons and polycyclic aromatic hydrocarbons ("PAHs") remaining in soil above Remediation Goals.	One borehole (B991SL033) is placed west of a former sample location (CS-2) that was found to contain PAH's greater than Remediation Goals. PAHs and TPH will be analyzed at B991SL033.

Notes:
(1) TPH analysis will consist of total petroleum hydrocarbons in the diesel and motor oil ranges.

Abbreviations:
TPH: Total Petroleum Hydrocarbon
VOC: Volatile Organic Compound
PAH: Polycyclic Aromatic Hydrocarbon

TABLE 4
PLANNED SAMPLE LOCATIONS AND ASSOCIATED ANALYSES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample ID	Sample Type	Sample Depth (1) (ft, bgs)	TPH(2,3)	Organochlorine Pesticides	PAHs	Title 22 Metals (4)	VOCs	Polychlorinated Biphenyls	Parameters forFate and Transport Analyses (5,6)	*In-Situ* Remediation Parameters (4,6)
B991SL001	soil	0-0.5	●							
	soil	3-3.5	●		●	●	●			
	g. groundwater (7)	5-10.0	●							
B991SL002	soil	0-0.5	●							
	soil	3-3.5	●							
	g. groundwater	5-10.0	●							
B991SL003	soil	0-0.5	●							
	soil	3-3.5	●		●	●	●			
	g. groundwater	5-10.0	●							
B991SL004	soil	0-0.5	●							
	soil	3-3.5	●		●	●	●			
	g. groundwater	5-10.0	●							
B991SL005	soil (8)	0-0.5	●					●		
	g. groundwater (8)	2-6.0	●							
B991SL006	soil (8)	0-0.5	●				●	●		
	g. groundwater (8)	2-6.0	●							
B991SL007	soil (8)	0-0.5	●					●		
	g. groundwater (8)	2-6.0	●							
B991SL008	soil	0-0.5	●							
	soil	3-3.5	●		●	●	●			
	g. groundwater	5-10.0	●							
B991SL009	soil	0-0.5	●							
	soil	4.5-5	●		●	●	●			
	saturated soil	7-7.5								●
	g. groundwater	5-10.0	●							
B991SL011	soil	0-0.5	●	●		●		●		
	soil (9)	3-3.5	●	●		●	●	●	●	
	saturated soil	7-7.5							●	
	g. groundwater	5-10.0	●	●			●		●	
B991SL012	soil	0-0.5	●	●		●				
	soil	3-3.5	●	●		●	●			
	g. groundwater	5-10.0	●	●			●			

TABLE 4
PLANNED SAMPLE LOCATIONS AND ASSOCIATED ANALYSES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample ID	Sample Type	Sample Depth (1) (ft, bgs)	TPH(2,3)	Organochlorine Pesticides	PAHs	Title 22 Metals (4)	VOCs	Polychlorinated Biphenyls	Parameters forFate and Transport Analyses (5,6)	*In-Situ* Remediation Parameters (4,6)
B991SL013	soil	0-0.5	●	●		●		●		
	soil (9)	2-2.5	●	●	●	●	●	●	●	
	saturated soil	7-7.5							●	
	g. groundwater	5-10.0	●	●			●		●	
B991SL013FD	g. groundwater	5-10.0	●	●			●			
B991SL014	soil	0-0.5	●	●		●				
	soil	3-3.5	●	●		●	●			
	g. groundwater	5-10.0	●	●			●			
B991SL015	soil	0-0.5	●	●		●				
	soil (9)	3-3.5	●	●		●	●		●	
	saturated soil	7-7.5							●	
	g. groundwater	5-10.0	●	●			●		●	
B991SL016	soil	0-0.5	●	●		●		●		
	soil (9)	3-3.5	●	●		●	●	●	●	
B991SL017	soil	0-0.5	●	●		●		●		
	soil	3-3.5	●	●		●	●	●		
	g. groundwater	5-10.0	●	●			●			
B991SL018	soil	0-0.5	●	●		●				
	soil	3-3.5	●	●		●	●			
	g. groundwater	5-10.0	●	●			●			
B991SL019	soil	0-0.5	●							
	soil	3-3.5	●							
	saturated soil	7-7.5								●
	g. groundwater	5-10.0	●							
B991SL020	soil	0-0.5	●							
	soil	3-3.5	●							
	g. groundwater	5-10.0	●							
B991SL021	soil	0-0.5	●							
	soil	3-3.5	●							
	g. groundwater	5-10.0	●							
B991SL022	soil	3-3.5	●		●	●	●			
	g. groundwater	5-10.0	●							

TABLE 4
PLANNED SAMPLE LOCATIONS AND ASSOCIATED ANALYSES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Sample ID	Sample Type	Sample Depth (1) (ft, bgs)	TPH(2,3)	Organochlorine Pesticides	PAHs	Title 22 Metals (4)	VOCs	Polychlorinated Biphenyls	Parameters forFate and Transport Analyses (5,6)	*In-Situ* Remediation Parameters (4,6)
B991SL023	soil	3-3.5	●							
	saturated soil	7-7.5								●
	g. groundwater	5-10.0	●							
B991SL024	soil	4-4.5	●							
	g. groundwater	5-10.0	●							
B991SL025	soil	1.5-2	●	●	●	●	●			
	soil	3-3.5	●	●	●	●	●			
	g. groundwater	5-10.0	●	●						
B991SL025FD	g. groundwater	5-10.0	●	●						
B991SL026	soil	0-0.5		●						
	soil	3-3.5		●						
B991SL027	soil	0-0.5		●				●		
	soil	3-3.5		●				●		
	saturated soil	7-7.5							●	
	g. groundwater	5-10.0		●					●	
B991SL028	soil	0-0.5		●						
	soil	3-3.5		●						
B991SL029	soil	0-0.5		●						
	soil	3-3.5		●						
	saturated soil	7-7.5							●	
	g. groundwater	5-10.0		●					●	
B991SL030	soil	0-0.5		●						
	soil	3-3.5		●						
B991SL031	soil	0-0.5		●						
	soil	3-3.5		●						
B991SL032	soil	0-0.5	●							
	soil	3-3.5	●							
B991SL033	soil	0-0.5	●		●					
	soil	3-3.5	●		●					
	soil	5-5.5	●		●					
Equipment Rinsate Blanks (10)	water	--	●	●			●			
Trip Blanks (11)	water	--					●			

TABLE 4
PLANNED SAMPLE LOCATIONS AND ASSOCIATED ANALYSES
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Notes:

(1) All soil sample depths are approximate. The 0-0.5 interval is meant to target first encountered soil below concrete, asphalt, or baserock. Any interval with visually stained or oily soil, hydrocarbon odors, or high Organic Vapor Meter ("OVM") readings within the boreholes will be sampled for analysis and will substitute for the original planned interval shown above.

(2) Thickness of any free product encountered will be measured in accordance with procedures described in the text under" Collecting Grab Groundwater Samples for Chemical Analysis".

(3) TPH analysis will consist of total petroleum hydrocarbons in the diesel (TPHd: C12 to C24) and motor oil (TPHmo: C19 to C36)ranges. Analyses for other petroleum hydrocarbons will not be conducted under this Pre-design Investigation.

(4) Groundwater samples analyzed for metals and In-situ remediation parameters will be field filtered with a 0.45 mm filter.

(5) Fate and transport and In-situ remediation parameters for soil and saturated soil include total organic carbon, dry bulk density, total porosity, moisture content, and pH.

(6) Fate and transport analyses for groundwater include dissolved organic carbon and pH.

(7) Grab groundwater samples will be collected through temporary well screens placed in boreholes using a peristaltic pump under low flow sampling protocols as outlined in the Draft QAPP (Veridian, in review).

(8) Samples will be removed from the bottom of the existing lubrication pit inside Building 991, which is 4 feet below the floor surface of Building 991. Sample depths listed in this table for lubrication pit samples should be measured from the bottom of the pit below concrete. Groundwater is expected to be encountered at approximately two feel below the bottom of the trench.

(9) In locations where both chemical and physical analyses are required, separate soil samples from the same interval will be needed.

(10) Collect at a frequency of 1 per day, or 1 per twenty samples, whichever is more frequent.

(11) Collect at a frequency of 1 per day when soil or groundwater samples are collected for VOC analysis

Methods:

TPH: EPA Method 8015(M) (C_{12} through C_{24} and C_{19} through C_{36}) with silica gel cleanup
Organochlorine Pesticides: EPA Method 8081A
PAHs: EPA Method 8270C
Title 22 Metals: EPA Method 6020, 7000, and 7471
VOC's: EPA Method 8260B using Encore™ samplers by EPA Method 5035
PCBs: EPA Method 8082A
Total Organic Carbon: EPA 9060
Dissolved Organic Carbon: EPA 9060
Moisture Content: ASTM D2216
pH: 9040B/9040C
Dry Bulk Density: API RP40
Total Porosity: PRI RP40

Abbreviations:

G. Groundwater: Grab Groundwater
UST: Underground Storage Tank
AST: Aboveground Storage Tank
EPA: Environmental Protection Agency
ASTM: American Society of Testing Materials
OVM: Organic vapometer
mm: micrometer
ft bgs: Feet Below Ground Surface
TPH: Total Petroleum Hydrocarbon
VOC: Volatile Organic Compound
PAH: Polycyclic Aromatic Hydrocarbon

TABLE 5
INDIVIDUAL ANALYTES FOR ANALYSIS
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

ANALYTE GROUP	EPA METHOD	ANALYTES
TPHs	EPA Method 8015(M) with silica gel cleanup	Diesel (C_{12} through C_{24}) and Motor Oil (C_{19} through C_{36})
Organochlorine Pesticides	EPA Method 8081A	Aldrin, alpha BHC, alpha endosulfan (endosulfan I), alpha chlordane, gamma chlordane, dieldrin, endosulfan sulfate, endrin, endrin aldehyde, endrin ketone, gamma BHC (lindane), heptachlor, heptachlor epoxide, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, pentachlorophenol, toxaphene
PAHs	EPA Method 8270C	Acenaphthene, acenaphthylene, anthracene, benzidine, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(b,k)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, hexachlorobutadiene, indeno(1,2,3-c,d)pyrene, naphthalene, phenanthrene, pyrene.
Title 22 Metals	EPA Method 6020, 7000, 7471, 7196A (1)	Antimony, arsenic, barium, beryllium, cadmium, chromium (VI) compounds, total chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc
VOCs	EPA Method 8260B using Encore™ samplers by EPA Method 5035	1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,2-dichloroethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, Acetone, Benzene, Bromodichloromethane, Carbon disulfide, Carbon tetrachloride, Chloroform, Cis-1,2,-dichloroethene, Trans-1,2-dichloroethene, Dibromochloromethane, Ethylbenzene, Isopropylbenzene (Cumene), Methylene chloride, Methyl ethyl ketone (2-butanone), Methyl tertiary butyl ether, Methyl isobutyl ketone, N-butylbenzene, N-propylbenzene, p-cymene (p-isopropyltoluene), sec-butylbenzene, Tert-butylbenzene, Trichlorofluoromethane,Tetrachloroethene, Toluene, Trichloroethene, Vinyl chloride, Xylenes, Total.

Notes:

(1) Mercury will be analyzed using EPA Method 6020 or 7471 (method detection limit: 0.02 mg/kg) and Hexavalent Cromium using EPAMethod 7196A (method detection limit 0.025 mg/kg). All other Title 22 metals will be analyzed using EPA Methods 6020 and 7000.

TABLE 6
PLANNED SAMPLING OF EXISTING MONITORING WELLS
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

	Sample Location ID	Sample Type	Total Petroleum Hydrocarbons (TPH diesel, motor oil) (1,2,3)	Pesticides (2)	*In-Situ* Remediation Parameters (4)
Wells to be Sampled During Pre-design Investigation					
	CE-2	monitoring well	●		
	CE-3 (5)	monitoring well			●
	ICFMW215	monitoring well	●		
	ICFMW225	monitoring well	●		●
	ICFMW226 (5)	monitoring well			●
	ICFMW227 (5)	monitoring well	●		
	ICFMW228	monitoring well			●
	ICFMW229	monitoring well	●	●	
	ICFMW230	monitoring well	●	●	
	ICFMW232	monitoring well	●		
	ICFMW233	monitoring well	●		
	RCI-2	monitoring well	●		●
	RCI-3	monitoring well	●		
	K991MW-5	monitoring well	●	●	
Well to be Routinely Sampled During Routine Groundwater Monitoring (6)					
	CE-3	monitoring well	●		
	ICFMW226	monitoring well	●		
	ICFMW228	monitoring well	●		
	K991MW-4	monitoring well	●		

TABLE 6
PLANNED SAMPLING OF EXISTING MONITORING WELLS
Building 991 Area
Former Oakland Army Base - EDC Area, Oakland, California

Notes:

(1) Thickness of any FHP encountered will be measured in accordance with procedures described in the text under "Collecting Grab Groundwater Samples for Chemical Analysis".

(2) Samples for TPH and pesticides analysis will be unfiltered.

(3) TPH analysis will consist of total petroleum hydrocarbons in the diesel (TPHd: C12 to C24) and motor oil (TPHmo: C19 to C36) ranges. Analyses for other petroleum hydrocarbons will not be conducted under this Pre-design Investigation.

(4) In-situ remediation parameters for groundwater include biochemical oxygen demand and chemical oxygen demand. These samples will be field filtered with a 0.45 μm filter.

(5) Groundwater samples from existing wells with a high potential of containing FHP will be collected through a chemically inert stilling tube, as described in the text under "Measurement of FHP and Groundwater Sampling in Wells Containing FHP".

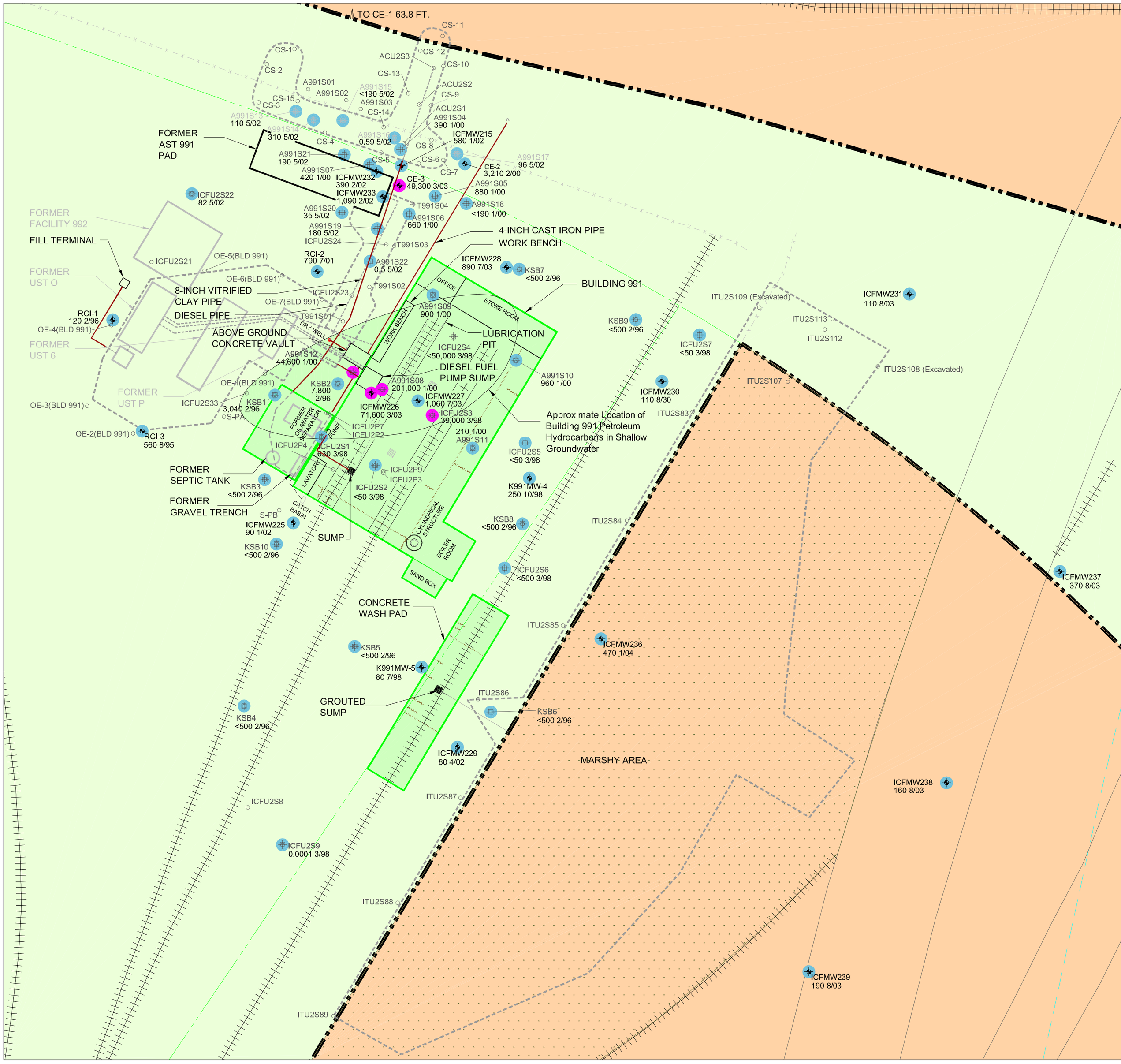
(6) Routine groundwater monitoring is described in the *Groundwater Monitoring Plan: USTs 11/12/13 and 11A/12A/13A, Building 991 AST, and Eastern End of Building 807* (EKI, 2004). Additional analyses will be performed on these groundwater samples, as outlined in the Monitoring Plan, but results of analyses other than TPHd are not needed for this Pre-design Investigation.

Methods:

TPH: EPA Method 8015(M) with silica gel cleanup
Organochlorine Pesticides: EPA Method 8081A
Biochemical Oxygen Demand: 405.1
Chemical Oxygen Demand: 410.4
Dissolved Organic Carbon: EPA 9060

Abbreviations:

FHP: Free Hydrocarbon Product
UST: Underground Storage Tank
AST: Aboveground Storage Tank
EPA: Environmental Protection Agency
μm: micrometer

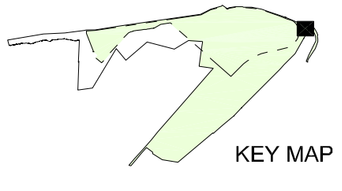


Legend:

- Groundwater Monitoring Well (Existing)
- Grab Groundwater Sample Location (Former)
- Soil and Grab Groundwater Sample Location (Former)
- Soil Sample Location (Former)
- Existing Floor Drain
- Crack in Concrete
- Existing Pipeline
- Former Pipeline
- Joint in Concrete
- Fence Line
- Railroad Tracks
- Property Boundary
- TPHd in Groundwater Above Remediation Goal
- TPHd in Groundwater Below Remediation Goal
- 110 8/03 — TPHd Concentration in Groundwater (µg/L) and Date Sampled
- Building or Area Addressed by Remedial Action Plan ("RAP Sites")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- Real Property Outside Oakland Army Base ("OARB")
- Former Building or Structure
- Previously Excavated Area
- Petroleum Hydrocarbon Plume

Notes:

1. All locations are approximate.
2. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
3. Local groundwater gradient directions at the site, as reported by the Army, vary greatly and change seasonally (see IT, 2002d Figures 4-7, 4-8; IT, 2000c Figure 2-1; and MWH 2003 Figure 2-13). Site-wide groundwater flow direction is generally in a northerly direction.
4. Remediation Goal for TPHd = 9,600 µg/L from RAP (EKI, 2002)
5. Concentrations shown are maximum detected.



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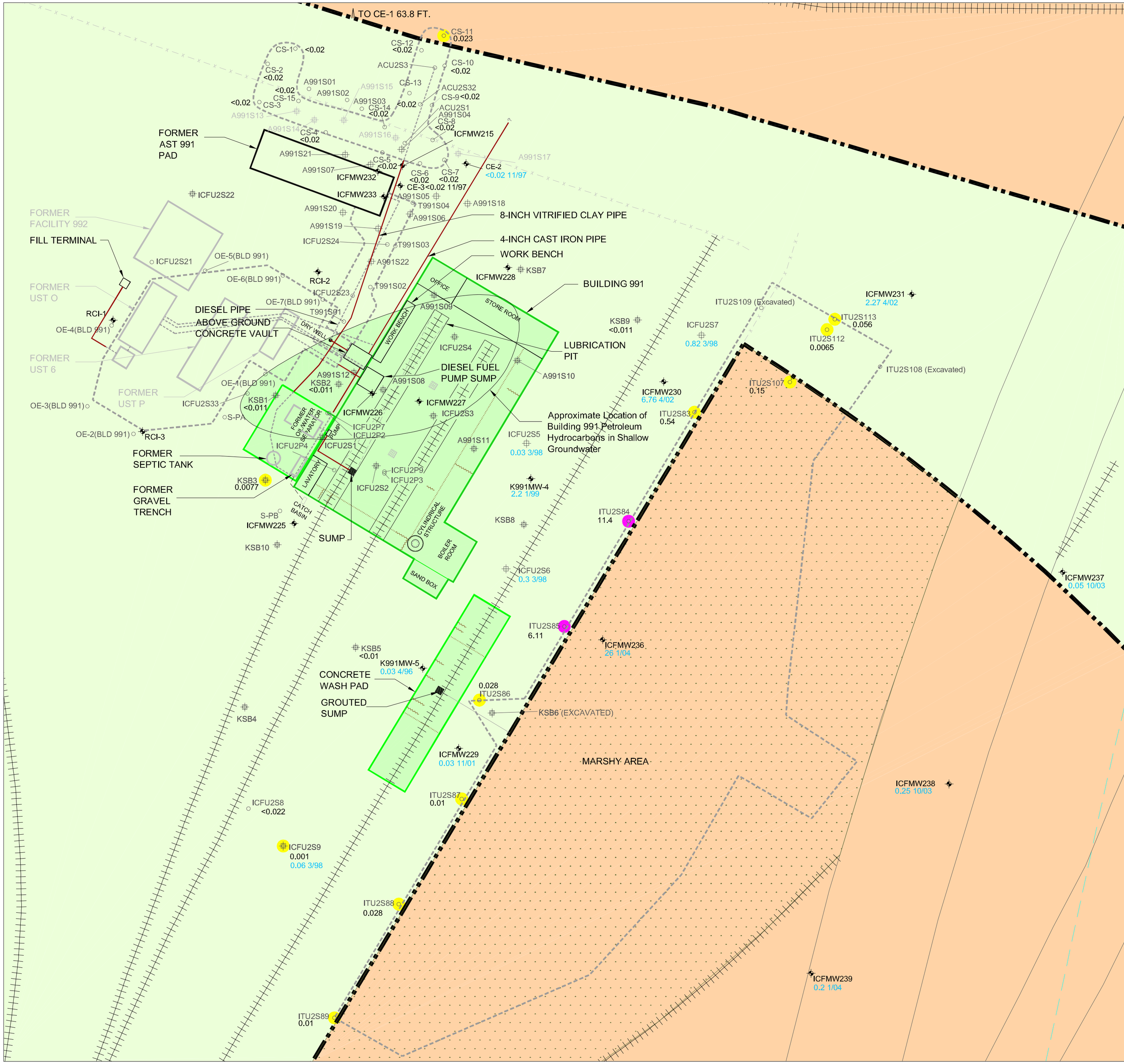
Maximum Detected TPH Diesel Concentrations in Groundwater

Former Oakland Army Base - EDC Area
Building 991 Area
Oakland, CA

May 2005
EKI A10063.00

Figure 1



N

0 20 40

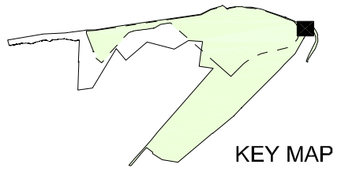
(Approximate Scale in Feet)

Legend:

- Groundwater Monitoring Well (Existing)
- Grab Groundwater Sample Location (Former)
- Soil and Grab Groundwater Sample Location (Former)
- Soil Sample Location (Former)
- 0.54 — Dieldrin Concentration in Soil mg/kg
- 2.27 4/02 — Dieldrin Concentration in Groundwater (µg/L) and Date Sampled
- Existing Floor Drain
- Crack in Concrete
- Existing Pipeline
- Former Pipeline
- Joint in Concrete
- Fence Line
- Railroad Tracks
- Property Boundary
- Building or Area Addressed by Remedial Action Plan ("RAP Sites")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- Real Property Outside Oakland Army Base ("OARB")
- Former Building or Structure
- Previously Excavated Area
- Dieldrin Concentration in Soil Above Remediation Goal to Protect Earthwork Construction Worker (1.3 mg/Kg)
- Dieldrin Concentration in Soil Above Remediation Goal to to Prevent Leaching to Groundwater (0.002 mg/Kg)
- Petroleum Hydrocarbon Plume

Notes:

1. All locations are approximate.
2. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
3. Local groundwater gradient directions at the site, as reported by the Army, vary greatly and change seasonally (see IT, 2002d Figures 4-7, 4-8; IT, 2000c Figure 2-1; and MWH 2003 Figure 2-13). Site-wide groundwater flow direction is generally in a northerly direction.



KEY MAP

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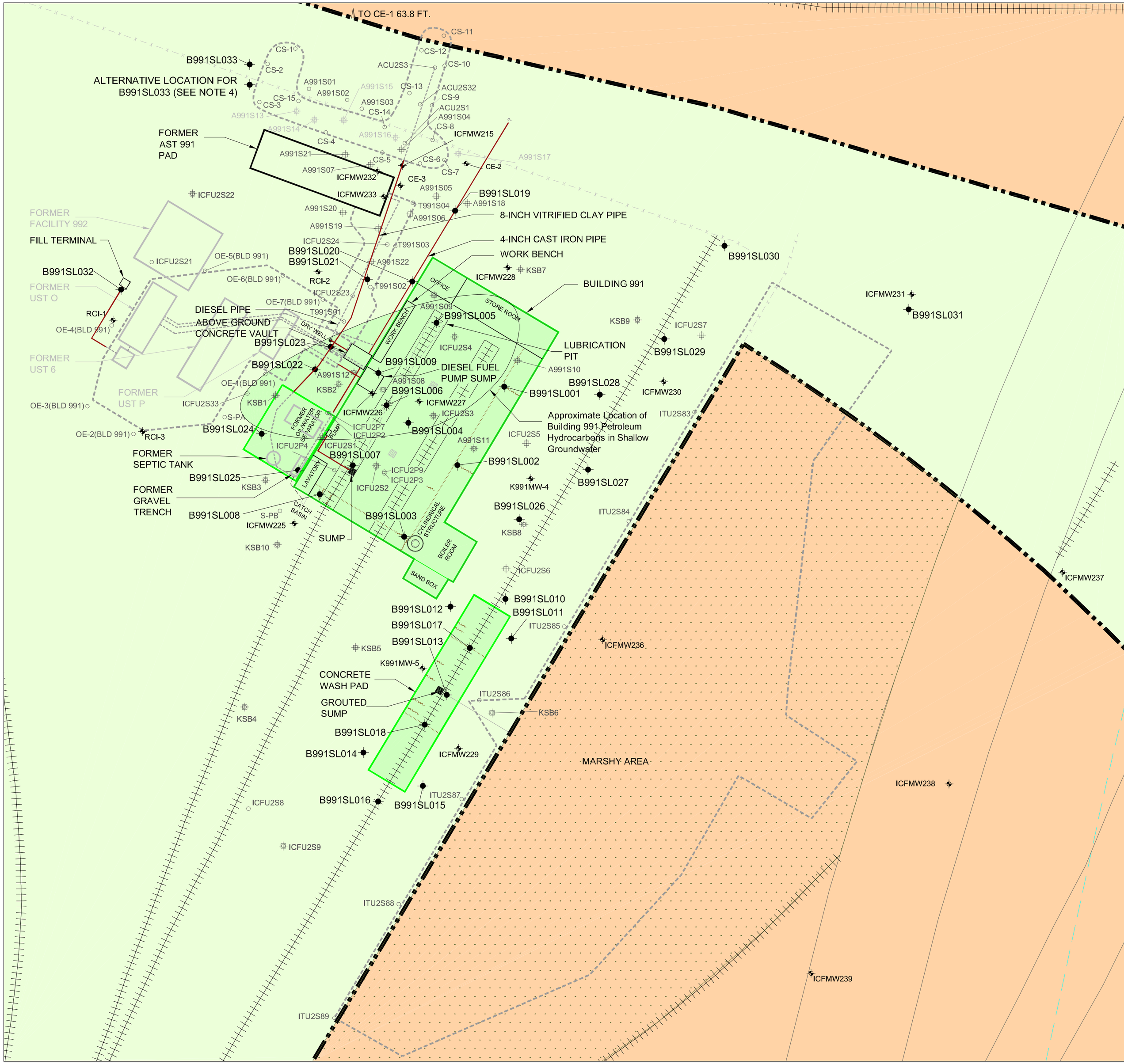
Maximum Detected Dieldrin Concentrations in Soil and Groundwater

Former Oakland Army Base - EDC Area
Building 991 Area
Oakland, CA

May 2005
EKI A10063.00

Figure 2

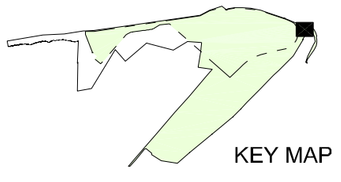


Legend:

- Groundwater Monitoring Well (Existing)
- Grab Groundwater Sample Location (Former)
- Soil and Grab Groundwater Sample Location (Former)
- Soil Sample Location (Former)
- Proposed Borehole Locations
- Existing Floor Drain
- Crack in Concrete
- Existing Pipeline
- Former Pipeline
- Joint in Concrete
- Fence Line
- Railroad Tracks
- Property Boundary
- Building or Area Addressed by Remedial Action Plan ("RAP Sites")
- Property Subject to Transfer to Oakland Base Reuse Authority ("OBRA") by Economic Development Conveyance ("EDC") ("RMP Implementation Area")
- Real Property Outside Oakland Army Base ("OARB")
- Former Building or Structure
- Previously Excavated Area
- Petroleum Hydrocarbon Plume

Notes:

1. All locations are approximate.
2. Basemap taken from IT Corporation "OARB Site Map", dated 17 February 1999.
3. Local groundwater gradient directions at the site, as reported by the Army, vary greatly and change seasonally (see IT, 2002d Figures 4-7, 4-8; IT, 2000c Figure 2-1; and MWH 2003 Figure 2-13). Site-wide groundwater flow direction is generally in a northerly direction.
4. Alternative proposed location of borehole B991SL033, if the proposed location is not accessible.



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Planned Sampling Locations

Former Oakland Army Base - EDC Area
Building 991 Area
Oakland, CA

May 2005
EKI A10063.00

Figure 3