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Parcel B
Quarterly Groundwater Monitoring Report
(October-December 2006)
and
Annual Report

Hunters Point Shipyard
San Francisco, California

October 2007
Revision 1

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Certification

Parcel B
Quarterly Groundwater Monitoring Report
(October-December 2006)
and
Annual Report

Hunters Point Shipyard
San Francisco, California

October 2007

I certify that the work presented in this report was performed under my supervision. To the best of my knowledge, the data contained herein are true and accurate and the work was performed in accordance with professional standards.

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Abbreviations and Acronyms

APPL	Agriculture & Priority Pollutants Laboratories, Inc
BGMP	Basewide Groundwater Monitoring Program
DCE	Dichloroethene
DNAPL	Dense non-aqueous phase liquid
DTSC	(California) Department of Toxic Substances Control
EE	Exploratory Excavation
EPA	U.S. Environmental Protection Agency
HGAL	Hunters Point Groundwater Ambient Level
HPS	Hunters Point Shipyard
IR	Installation Restoration
JV	Joint Venture
LNAPL	Light non-aqueous phase liquid
µg/L	Microgram per liter
MS/MSD	Matrix spike/matrix spike duplicate
msl	Mean sea level
Navy	U.S. Department of the Navy
PCB	Polychlorinated biphenyl
POC	Point of compliance
QA/QC	Quality assurance/quality control
QCSR	Quality Control Summary Report
RAMP	Remedial Action Monitoring Plan
ROD	Record of Decision
RPD	Relative percent difference
RWQCB	(California) Regional Water Quality Control Board
SAP	Sampling and Analysis Plan
SI	Site Inspection
SVE	Soil vapor extraction
SVOC	Semi-volatile organic compound
TCE	Trichloroethene
TtEMI	Tetra Tech EM, Inc.
VOC	Volatile organic compound
ZVI	Zero-Valent Iron

1.0 Introduction

On behalf of the U.S. Department of the Navy (Navy), Naval Facilities Engineering Command, Southwest Division, the CE2-Kleinfelder Joint Venture (JV) has prepared this Groundwater Monitoring Report for Parcel B at Hunters Point Shipyard (HPS) located in San Francisco, California. The location of HPS is shown on Figure 1-1.

1.1 Regulatory Framework

Groundwater issues at HPS are primarily regulated by the United States Environmental Protection Agency (EPA), the California Regional Water Quality Control Board (RWQCB), and the California Department of Toxic Substances Control (DTSC). In 1989, the EPA placed HPS on the National Priorities List in response to shipyard activities that had resulted in soil and groundwater contamination.

A Record of Decision (ROD) for Parcel B is in place (Navy 1997). New criteria for evaluating groundwater contamination are being proposed and will be included in an amended ROD.

1.2 Scope

Groundwater monitoring in Parcel B is conducted in accordance with the:

- *Final Parcel B Remedial Action Monitoring Plan (RAMP)* (Tetra Tech EM, Inc. [TtEMI] 1999). Sampling under the RAMP began in September 1999.
- *Final Sampling and Analysis Plan (SAP) for the Basewide Groundwater Monitoring Program (BGMP)* (TtEMI 2004).

This report documents quarterly data collected from October through December 2006 (Fourth Quarter 2006 [4Q2006]). It also summarizes data collected during the first three quarters of 2006 (1Q2006 through 3Q2006) (CE2-Kleinfelder 2007a, 2007b, 2007c).

There are several wells discussed in this report that are not physically located within the Parcel B boundary. These include: wells located in former Parcel A (land formerly owned by the Navy and transferred to private ownership; designated as "non-Navy Property"); wells located in Parcel C that are required to be monitored by the Parcel B RAMP and/or SAP; and wells just outside the Parcel B western property boundary of HPS (see Figure 1-2). For this report, the term Parcel B includes these wells.

The scope of the Parcel B RAMP and SAP quarterly groundwater monitoring includes:

- Measuring groundwater levels.
- Collecting and analyzing groundwater samples.
- Verifying and validating the analytical data.
- Interpreting the data.
- Submitting quarterly and annual reports.

Monitoring wells for which water level measurements and/or groundwater sampling are required to be performed by the RAMP are referred to in this report as compliance monitoring wells. Figure 1-2 shows the location of Parcel B compliance monitoring wells and indicates which wells are designated for water level measurement, sampling, or both measurement and sampling. Table 1-1 presents well location, construction, and sampling information for the compliance monitoring wells.

1.3 Changes to Basewide Compliance Monitoring Well Network

No changes were made to the Parcel B portion of the basewide compliance monitoring well network in the current quarter.

Well installation logs and decommissioning logs will be periodically provided to the BCT along with a revised Well Construction Details Table.

Changes to the basewide monitoring well network are being considered as part of the upcoming revised SAP.

2.0 Site Conditions and Background

This section presents a summary of the site setting, history, contaminant sources, previous treatability studies and remedial actions, and hydrogeology.

2.1 Site Description and History

HPS is located on the southeastern edge of San Francisco and along the western shore of San Francisco Bay. HPS currently covers approximately 420 acres of lowland coast and shoreline. HPS is divided into five terrestrial Parcels (B, C, D, E, and E-2) and submerged Parcel F. The locations of the terrestrial parcels are shown on Figure 1-1.

Approximately 80 percent of the land area at HPS is composed of artificial fill, mostly quarried rock and dredged soil placed on top of marshland. Most of this filling occurred in the 1940s.

From 1869 until 1939, the shipyard was operated as a commercial dry dock facility. The Navy leased the property prior to 1940, when the Navy obtained ownership of the shipyard for ship building, repair, and maintenance activities. At the conclusion of World War II, activities shifted from ship repair to submarine servicing and testing. HPS was deactivated in 1974 and remained relatively unused until 1976. Between 1976 and 1986, the Navy leased most of the property to a privately owned ship repair firm. In 1986, the Navy again occupied the shipyard and began a program to investigate and clean up contamination resulting from past activities.

Parcel B consists of approximately 59 acres. As shown on Figure 1-1, Parcel B is bounded to the south by non-Navy Property, to the south and east by Parcel C, to the west and northwest by non-Navy Property, and to the north and east by San Francisco Bay.

Parcel B has been for used for offices and commercial/industrial facilities. Parcel B is relatively flat with a ground surface elevation approximately 10 feet above mean sea level (MSL).

2.2 Contaminant Sources

Previous investigations at HPS have identified 78 Installation Restoration (IR) or Site Inspection (SI) sites, of which 12 are assigned to Parcel B, as described in *Informal Briefing: Environmental Clean-Up Sites* (Navy 2003).

The locations of the Parcel B IR and SI sites are shown on Figure 1-2. The areas of most concern in Parcel B include:

- Building 123 in IR-10.
- Exploratory Excavation 05 (EE-05) near Dry Dock 3 in IR-26.
- Potential migration of contaminated groundwater, soil gas and/or non-aqueous phase liquids (NAPL) from IR25 and IR-06 on adjacent Parcel C.

Concentrations of contaminants in groundwater in these areas currently or historically have exceeded HPS Trigger Levels.

2.3 Previous Treatability Studies, Soil Removal and Remedial Actions

2.3.1 IR-10 Soil Vapor Extraction Treatability Study

From December 2000 to June 2001, a pilot-scale soil vapor extraction (SVE) treatability study was conducted at the north end of Building 123 to reduce volatile organic compound (VOC) concentrations in soil and groundwater (TtEMI 2006). The SVE system consisted of 14 vapor extraction wells and nine vapor monitoring well pairs. Analyses of soil samples collected in September 2002 indicated that VOC concentrations were reduced by approximately 80 percent and approximately 39 kilograms of VOCs were removed from the subsurface. The pilot-scale SVE system was expanded and resumed operation in December 2004. The expanded SVE system included 23 extraction wells and 14 vapor monitoring well pairs. Operation of the expanded SVE system ended in January 2006; a remediation report is pending.

2.3.2 IR-10 Zero-Valent Iron Injection Treatability Study

From September 2003 to March 2004, a pilot-scale Zero-Valent Iron (ZVI) injection treatability study was performed in the same area of Building 123 as the SVE treatability study. Approximately 130,500 pounds of ZVI powder was injected into 37 boreholes distributed over an area of about 16,000 square ft. The ZVI established reducing conditions in the aquifer and promoted breakdown of chlorinated VOCs. The injection process resulted in an initial increase in VOC concentrations up to a maximum of 1,200 micrograms per liter (µg/L) of trichloroethene (TCE) measured two weeks after injection was completed. This increase was apparently due to anomalously low VOC results obtained during the baseline sampling and previous monitoring. As the ZVI slurry equilibrated with groundwater, reducing conditions were established and concentrations of VOCs decreased to a mean concentration of 123 µg/L of TCE at monitoring wells within the treatment zone 22 weeks after injection, as described in *Cost and Performance Report, Zero-Valent Iron Injection Treatability Study, Building 123, Parcel B* (ERRG 2004). The effectiveness of the ZVI is a function of time such that the remediation technology is considered effective as long as VOC concentrations continue to decrease.

2.3.3 Soil Removal and Remedial Actions

The Navy has conducted a series of excavations in Parcel B to remove soil contamination, as described in the *Draft Parcel B Technical Memorandum in Support of a Record of Decision Amendment* (SulTech 2006). Between July 1996 and January 1997, the Navy performed pre-ROD exploratory excavations at 18 sites across HPS, including removal of 1,700 cubic yards of soil from five sites within Parcel B. During two phases of remedial actions for soil in 1998-1999 and 2000-2001, 101,600 cubic yards of soil from 106 areas in Parcel B were excavated. Between July 2004 and January 2005, 12 excavations at sites across HPS were performed to remove soil that was contaminated by fuel-related contaminants; 9,800 cubic yards of soil were removed and disposed of off site from two areas within Parcel B.

Mercury impacts to soil were encountered at Exploratory Excavation (EE) 05. Exploratory

Excavation EE-05 is located on the south side of former Building 141 and approximately 50 ft north of Dry Dock 3. In late 1990s, approximately 5,000 cubic yards of contaminated soil was removed to a depth of approximately 10 feet. The mercury concentration in soil samples collected from the bottom of the excavation was 0.2 to 90 mg/kg (the Hunters Point Ambient Level for mercury in soil is 2.3 mg/kg), but excavation to a depth of 10 ft was considered protective of human health. Potential impacts to groundwater quality were not evaluated at the time of the excavation, but the removal of the contaminated soil is expected to have a long-term benefit.

2.4 Hydrogeology

The general stratigraphy, hydrostratigraphy, recharge and discharge areas, and groundwater flow in Parcel B are summarized in the following sections.

2.4.1 Stratigraphy

Five principal geologic units have been defined at HPS and are present in Parcel B. In order of increasing depth, and approximately from youngest to oldest, these units are:

Artificial Fill (Qaf) – Most of the land area for HPS was created using quarried rock from upland areas. The artificial fill consists mostly of serpentinite with lesser amounts of dredged marshland deposits. The artificial fill also contains pockets of industrial fill consisting of building debris and sandblast grit. As a result, the artificial fill is a heterogeneous mixture of unconsolidated material with a wide range of grain sizes. The artificial fill overlies natural sediments or bedrock, depending on the location. The variable thickness of the artificial fill reflects erosional features such as stream channels in the natural sediments and an uneven bedrock surface. A relatively thin unit of slope debris and ravine fill underlies the artificial fill at scattered locations.

Undifferentiated Upper Sands (Quus) – This naturally occurring unit is comprised of poorly-graded, discontinuous estuarine, lagoonal, and alluvial sand deposits that overlie, but in places interbed, with the underlying Bay Mud. These sands may also directly overlie bedrock.

Bay Mud (Qbm) – The Bay Mud unit consists of estuarine sediments that are predominantly composed of silt and clay, but may include clayey or silty sands. The Bay Mud may underlie artificial fill or the upper sand deposits and overlie the deeper undifferentiated sediments or bedrock. The Bay Mud is occasionally interbedded with the upper Undifferentiated Sands unit.

Undifferentiated Sediments (Qu) – This unit consists of naturally occurring unconsolidated silty or clayey sands containing discontinuous, isolated sand lenses. These sediments can underlie any of the younger units.

Franciscan Complex Bedrock (Kf) – The bedrock consists primarily of serpentinite and minor amounts of metamorphosed basalt (greenstone) or shale. Bedrock competency is variable and factures are common. The bedrock surface is irregular across the HPS. For

example, bedrock is shallow near the boundary with the non-Navy property to the north, and along the north side of the Dry Dock 3, but can be present at depths exceeding 130 feet elsewhere in Parcel B.

2.4.2 Hydrostratigraphy

Four hydrostratigraphic units have been defined at Parcel B:

A-Aquifer - The unconfined A-Aquifer is present primarily in the artificial fill and Upper Undifferentiated Sands units, but in some places the groundwater in shallow fractured bedrock is in hydraulic connection with the A-Aquifer. The thickness of the A-Aquifer ranges from 10 to 70 ft in Parcel B.

Bay Mud Aquitard - The discontinuous Bay Mud Aquitard separates the A-Aquifer from the B-Aquifer.

B-Aquifer - The B-Aquifer is not continuous across Parcel B, and where the Bay Mud Aquitard is absent, directly underlies the A-Aquifer. The B-Aquifer is typically under semi-confined conditions.

Bedrock Water-Bearing Zone - The Bedrock Water-bearing Zone consists of isolated pockets of fractured bedrock that are not hydraulically connected to upper hydrostratigraphic units.

2.4.3 Recharge and Discharge

Most groundwater recharge in Parcel B occurs by infiltration of precipitation falling on the inland areas in the non-Navy property to the north. Recharge sources to the A-Aquifer can also include buried utilities. Groundwater discharge from the A-Aquifer to San Francisco Bay occurs along the Parcel B shoreline and seawall.

Vertical gradients suggest that groundwater can flow upward or downward between the A-Aquifer and the B-Aquifer, where the Bay Mud Aquitard between the two aquifers is absent.

2.4.4 Groundwater Flow Direction

Groundwater flow direction in the A-Aquifer is generally towards San Francisco Bay, but natural heterogeneities and anthropogenic features have created preferential groundwater pathways. The natural heterogeneities consist of stratigraphic discontinuities and facies changes. The anthropogenic features consist of heterogeneous pockets of artificial fill and an extensive system of buried utilities.

Groundwater elevations in the A-Aquifer are influenced by tidal fluctuations that create a sinusoidal pressure wave near the shoreline. Tidal influence in the A-Aquifer decreases with increasing distance from the shoreline. The tidal period is approximately 6 hours. At HPS, the mean tide range (difference in height between mean high water and mean low water) is approximately 5 ft. A Tidally Influenced Zone has been defined for the A-Aquifer where tides

cause groundwater elevations to fluctuate by 0.1 ft or more. The width of the Tidally Influenced Zone is approximately 75 to 100 ft along the Parcel B shoreline. The Tidal Mixing Zone is defined as the area where A-Aquifer groundwater mixes with water from San Francisco Bay. The Tidal Mixing Zone is probably much narrower than the Tidally Influenced Zone, but has not been fully delineated.

Local anomalies in groundwater elevation can be caused by the interaction of subsurface utilities (sanitary sewer, storm sewer, and water-supply lines) with the regional groundwater regime. Storm/sanitary sewer lines and backfill in the utility trenches can serve as preferential pathways for groundwater flow and can either discharge or receive water. The sanitary sewer system in Parcel B was deactivated in September 2005 to facilitate removal and radiological screening of the piping. As part of this effort, storm sewer outfalls to San Francisco Bay were plugged, and storm sewer lines were removed when these lines were encountered in the same trenches as sanitary sewer lines.

Local anomalies in groundwater elevation can also be caused by groundwater injection/extraction activities associated with treatability studies.

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3.0 Groundwater Flow

This section discusses the collection of current quarter sampling event groundwater elevation data, and the evaluation of groundwater flow in Parcel B.

3.1 Groundwater Elevation Data

Depth to groundwater was measured on November 13, 2006. Basewide groundwater elevations were measured in 357 monitoring wells, including 48 wells associated with Parcel B. Groundwater measurements are typically planned to occur during a 4-hour period around the higher-low neap tide, to reduce tidal influence on the measurements. However, collecting groundwater level measurements within this time period is not possible if the higher-low neap tide occurs on a weekend, holiday, or at night. For the current quarter event, there were no working days that coincided with a neap tide. Therefore the working day closest to the neap tide was selected, and groundwater depth measurements were made during the higher-low tide on that day. Tidal data for November 12-14, 2006 are shown on Table 3-1 (National Oceanic and Atmospheric Administration [NOAA] 2006).

Groundwater elevations were calculated by subtracting the depth to water measurements from the top of casing elevations. Groundwater elevation information and data are included in the following appendices:

Appendix A. Groundwater elevation measurement forms.

Appendix B. Groundwater elevation data.

3.2 Groundwater Flow

Figure 3-1 presents a potentiometric surface contour map for the A-Aquifer in Parcel B constructed using data from the current quarter measurement day. Appendix B provides information on the hydrostratigraphic completion unit of each monitoring well and shows the data used to construct the potentiometric surface map.

In Parcel B, groundwater generally flows from the upland area in the non-Navy property to the north, towards San Francisco Bay. The potentiometric surface contours roughly parallel the shoreline. The general pattern of groundwater flow in Parcel B was consistent throughout 2006.

An anomalously high groundwater elevation occurred in well IR24MW06A (near the eastern corner of Building 130, adjacent to San Francisco Bay). The groundwater elevation in the subsequent 1Q2007 event was within the historical range, therefore the 4Q2006 elevation is considered anomalous.

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4.0 Nature and Extent of Groundwater Contamination

4.1 Groundwater Sampling and Analysis

Groundwater sampling in Parcel B was conducted from November 14 through December 13, 2006. Groundwater samples were collected from monitoring wells in accordance with the procedures specified in the BGMP SAP (unless specified otherwise in field variances in Appendix K) and the Parcel B RAMP.

The Parcel B RAMP identified six types of monitoring wells:

1. Point of compliance (POC) wells located near the inland edge of the Tidally Influenced Zone.
2. Sentinel wells near the inland edge of the 5-year buffer zone.
3. Post-remedial action wells located within the Tidally Influenced Zone to monitor the effectiveness of source control measures.
4. VOC wells to monitor the potential degradation of TCE to vinyl chloride.
5. On-/off-site wells located near the western boundary of Parcel B.
6. Utility line wells.

Two other types of monitoring wells have been established post-RAMP:

1. Hexavalent chromium wells.
2. Supplemental characterization wells that were installed in the vicinity of EE-05 in January 2002 to evaluate the risk from groundwater on the eastern shoreline of IR-26 to aquatic receptors in the San Francisco Bay. Supplemental characterization wells were also installed in 2003 at IR-10 to monitor the progress of the ZVI Injection treatability study.

RAMP compliance wells were decommissioned and replaced in 2006-2007.

Sampling, analysis, and Trigger Level information are included in the following tables and appendices:

Table 4-1. Summary of groundwater sampling information.

Table 4-3. Parcel B Trigger Level criteria for each RAMP monitoring well type.

Table 4-4. Parcel B Trigger Level criteria for non-RAMP monitoring wells.

Table 4-5. Numerical Parcel B Trigger Levels.

Appendix C. Monitoring well sampling forms.

Appendix D. Chain-of-custody forms.

Appendix E. Batch wastewater discharge permit application.

Groundwater analyses were performed by Agriculture & Priority Pollutants Laboratories, Inc. (APPL) in Fresno, California. Samples were transported to APPL from HPS by a courier.

4.2 Analytical Results

Analytical data are presented in the following appendices:

Appendix F. Laboratory analytical reports and data validation reports (current quarter).

Appendix G. Analytical results for October – December 2006.

Appendix H. Field duplicate results for October – December 2006.

Appendix J. Analytical results for January - September 2006.

Analytical results for two areas of concern in Parcel B, the IR-10 treatability study area and the IR-26 EE-5 area, are discussed in Sections 4.2.1 and 4.2.2. Concentrations of contaminants in groundwater in these areas currently or historically have exceeded HPS Trigger Levels. Sections 4.2.3 and 4.2.4 discuss groundwater contamination by hexavalent chromium and other metals throughout Parcel B.

The lateral distribution of contaminants in groundwater is shown on the following figures:

Figure 4-1. Lateral distribution of trichloroethene in groundwater.

Figure 4-2. Lateral distribution of cis-1,2-dichloroethene in groundwater.

Figure 4-3. Lateral distribution of vinyl chloride in groundwater.

Figure 4-4. Lateral distribution of hexavalent chromium in groundwater.

Data from all wells sampled for these analytes are shown on these figures, regardless of hydrostratigraphic completion interval. This provides a comprehensive depiction of the extent of contamination. The data used to construct these figures are from the current quarter event, or if not available for that quarter, the most recent data from the previous three quarters. This removes the effect of missing data from wells not sampled during the current quarter.

The following tables present the analytical data from the current quarter event and three previous quarters, and the specific data values used to construct the lateral distribution figures:

Table 4-6. Concentrations of trichloroethene in groundwater.

Table 4-7 Concentrations of cis-1,2-dichloroethene in groundwater.

Table 4-8. Concentrations of vinyl chloride in groundwater.

Table 4-9. Concentrations of hexavalent chromium in groundwater.

4.2.1 VOCs in IR-10

VOCs have been released in IR-10 in the northern portion of Building 123. Treatability studies using SVE (2000-2001 and 2004-2006) and ZVI injection (2003-2004) were performed to address contamination in soil and groundwater. Quarterly monitoring is used to evaluate the effectiveness of the treatability studies.

The lateral distribution of TCE, cis-1,2-dichloroethene (DCE), and vinyl chloride in Parcel B is shown on Figures 4-1, 4-2, and 4-3, respectively. Time-series plots of TCE, cis-1,2-DCE, and vinyl chloride concentrations in wells in the IR-10 area are presented as Figures 4-5, 4-6, and 4-7, respectively.

The analytical results for IR-10 wells indicate the following:

<u>TCE</u>

- The maximum TCE concentration in the current quarter was detected in the sample from well IR10MW71A (31 µg/L). This well has historically had the maximum TCE concentrations in IR-10.
- The current lateral extent of TCE is consistent with previous quarters.
- TCE concentrations in most of the wells are decreasing, with two exceptions. Well IR10MW62A has a current quarter TCE concentration slightly greater than that in 1Q2004 (conclusion of the ZVI study). Current quarter TCE concentration in well IR10MW13A1 approximates that in 3Q2000.
- Trigger levels for TCE were not exceeded in any IR-10 wells.

<u>DCE</u>

- The maximum DCE concentration in the current quarter was detected in the sample from well IR10MW59A (46 µg/L). This concentration is consistent with recent historical DCE maximum concentrations in IR-10.
- The current lateral extent of DCE is consistent with previous quarters.
- DCE concentrations in individual wells are variable over time, and fluctuate within a range of one to two orders of magnitude. DCE concentrations in the majority of IR-10 wells in the current quarter previous are near or at historical maxima, with two exceptions. DCE was not detected in well IR10MW61A (considered an anomalous result). DCE in well IR10MW71A is at a historical minimum.
- Trigger levels for DCE were not exceeded in any IR-10 wells.

<u>Vinyl Chloride</u>

- The maximum vinyl chloride concentration in the current quarter was detected in the

sample from well IR10MW33A (12 µg/L). This concentration is less than recent historical DCE maximum concentrations.

- The current lateral extent of vinyl chloride is consistent with previous quarters.
- Vinyl chloride concentrations in individual wells are variable over time, and fluctuate within a range of approximately one order of magnitude or less, with one exception. Vinyl chloride has decreased in well IR10MW61A from a historical maximum of approximately 250 µg/L in 3Q2004 to not detected in 4Q2006. Vinyl chloride was not detected in well IR10MW33A between 3Q2000 and 2Q2004 (conclusion of ZVI Study), and subsequently have increased to a historical maximum in 4Q2006.
- Trigger levels for vinyl chloride were not exceeded in any IR-10 wells.

4.2.2 Mercury at EE-05

Exploratory Excavation 05 (EE-05) is located in IR-26 on the south side of former Building 141 and approximately 50 ft north of Dry Dock 3, as described in Section 2.3.3. In late 1990s, contaminated soil was excavated. Figure 4-9 presents a time-series plot of mercury concentrations in samples from wells near EE-05 (IR26MW47A, IR26MW48A, IR26MW49A, and IR26MW50A). The mercury analytical results for EE-05 wells indicate the following:

- The maximum mercury concentration in the current quarter was detected in the sample from well IR26MW47A (1.3 µg/L). This well has historically shown the maximum mercury concentrations in EE-05 wells.
- In the current quarter, the lateral extent of mercury is consistent with previous quarters.
- Mercury concentrations in well IR26MW47A are variable over time, fluctuating between approximately 0.3 µg/L and 2.7 µg/L. A seasonal trend is evident, with higher mercury concentrations generally present in the summer months. Mercury was not detected in well IR26MW49A in 3Q2006 (1st sampling event) and was detected at 0.88 µg/L in 4Q2006. Mercury has not been detected in the two other wells near EE-05 (wells IR26MW50A and IR26MW48A).
- Trigger levels for mercury were exceeded in two EE-05 wells (IR26MW47A and IR26MW49A).

4.2.3 Hexavalent Chromium

Hexavalent chromium in present in wells at scattered locations in Parcel B. The lateral distribution of hexavalent chromium in Parcel B is shown on Figure 4-4. Table 4-9 summarizes the concentrations of hexavalent chromium in groundwater. Figure 4-8 presents a time-series plot of hexavalent chromium concentrations in wells where hexavalent chromium is typically detected. Hexavalent chromium results in Parcel B indicate the following:

- The maximum hexavalent concentration in the current quarter was detected in the sample from well IR07MW20A1 (20.1 µg/L). Recent historical concentration maxima (up to 487 µg/L) were reported in well IR10MW12A.

- Trigger levels for hexavalent chromium were not exceeded in any Parcel B wells. The sole Parcel B well with historical hexavalent chromium concentrations above trigger levels was IR10MW12A, which was decommissioned following the 2Q2006 sampling event.

4.2.4 Other Metals

Trigger levels were not exceeded in any Parcel B wells for other metals.

4.3 Data Quality

Field and laboratory personnel implemented standard quality assurance/quality control (QA/QC) procedures to ensure the quality of the data collected during this sampling event. Field QC consisted of collecting field duplicate samples, equipment rinsate blank samples, trip blank samples, source blank samples, and matrix spikes/matrix spike duplicate (MS/MSD) samples in accordance with the BGMP SAP (TtEMI 2004). A summary of the QA/QC samples collected is presented in Table 4-2.

The current event generated a total of 30 groundwater (field-collected) samples plus 23 accompanying QA/QC samples. All samples were analyzed by APPL.

Laboratory Data Consultants (LDC) of Carlsbad, California validated the laboratory analytical data according to the procedures outlined in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (EPA 1999).
- *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* (EPA 2004).
- *Data Validation Statement of Work* (Tetra Tech 2005).
- *Comprehensive Long-term Environmental Action Navy Clean II Statement of Work* (Navy 2002).

One hundred percent of the data were subject to a data quality assessment (i.e., review, verification, validation, and usability assessment), with approximately 80 percent of the data undergoing Level III data validation and 20 percent of the data undergoing Level IV validation in accordance with the SAP.

The objective of data validation is to assure that the quality of the chemical data is adequate for the intended use(s), as defined by the precision, accuracy, representativeness, completeness, and comparability (PARCC) parameters in the *EPA Requirements for Quality Assurance Project Plans* (QAPP) (EPA 2001) and the SAP. Data validation included:

- Reviewing and comparing field and laboratory QC data to the PARCC parameters.
- Reviewing the overall analytical process, including holding time, calibration, analytical or matrix performance, and analyte identification and quantitation.
- Assigning qualifiers to affected data when QA/QC criteria were not achieved.
- Reviewing and summarizing implications of the frequency and severity of qualifiers in the validated data.

4.3.1 Evaluation of Quality Control Samples

The following subsections provide and evaluation of the analytical results for field duplicate samples, equipment blank samples, and trip blank samples.

4.3.1.1 Field Duplicates

Field duplicate pairs were collected at four of the 30 monitoring wells in Parcel B, meeting the minimum 10 percent specified in the BGMP SAP. Analytical results for these duplicate samples are included in Appendix H. Relative percent differences (RPDs) were calculated using the field duplicate pair results. Because neither the RAMP nor the SAP establishes a maximum acceptable RPD for field duplicate pairs, a generally accepted conservative standard of 30 percent was selected to be an acceptable criterion. Of the 201 field duplicate pair results, three results (1.49 percent) exceeded the 30 percent RPD criterion. No qualifiers were placed on any analytical data on the basis of field duplicate results.

4.3.1.2 Equipment Blanks

Ten equipment blanks (rinsate samples) were collected from Parcel B during the sampling period, meeting the requirements of the SAP. The analytical results for the rinsate samples are included in Appendix F. Some of the rinsate samples contained low concentrations of trihalomethane compounds, as well as several metals. These analytes are regularly detected at relatively consistent concentrations in the source water used in the field equipment decontamination. Of the 471 results generated, one analyte (toluene) was detected (corresponding to 0.2 percent of the results). LDC determined the overall data quality to be unaffected as a result of the rinsate sample detection.

4.3.1.3 Trip Blanks

Laboratory-prepared trip blank samples containing analyte-free water were included in each of the eight coolers that contained samples for VOC and TPH (purgeable) analyses, as specified in the SAP. Of the 396 trip blank results, one analyte (cis-1,2-DCE) was detected in one trip blank sample (corresponding to 0.25 percent of the trip blank results). LDC determined the overall data quality to be unaffected as a result of the trip blank sample detection.

4.3.2 Summary of Data Quality

Of the 3,065 individual analytical results generated for Parcel B in the current quarter (field samples and QC samples inclusive):

- 545 results were qualified as estimated (either a "J" qualifier for a detected concentration that falls between the practical quantitation limit and the method detection limit; or, a "UJ" qualifier for samples that are estimated nondetect). Results that are qualified as estimated are considered usable.
- One result for hexavalent chromium was rejected due to equipment calibration issues.

Therefore, a total of 99.97 percent of the current quarter event groundwater analytical data for Parcel B are considered usable, which meets the completeness criteria of 95% as specified in the SAP.

A project chemist reviewed the data validation reports for completeness, accuracy, and adherence to the project-specific guidance. Although some qualifiers were applied to the analytical data, PARCC characteristics of the data are generally acceptable. Supporting documentation, including laboratory analytical results and cursory and full validation reports, is included in Appendix F.

Appendix I contains the Quality Control Summary Report (QCSR) for HPS BGMP activities conducted in the previous 4 quarterly events (1Q2006 through 4Q2006).

4.4 Deviations from the SAP

Field variance reports for the current quarter event are included in Appendix K. Deviations from the RAMP for the current quarter in Parcel B include:

1. Water levels were not measured in 15 monitoring wells because these wells have been decommissioned (6 wells), or were inaccessible (9 wells).
2. Samples were not collected from 6 monitoring wells because these wells have been decommissioned (3 wells), had insufficient water for sampling (1 well), or were inaccessible (2 wells).
3. Pre-sampling purging parameters did not meet the revised stabilization criteria in three wells (see revised criteria below). However, the maximum required volume (14 L) was purged from these wells prior to sampling.

The pumps were placed within the screened intervals during the purging and sampling of all wells.

The variances reflect modifications to the pre-sampling purging parameter stabilization criteria developed at the HPS Groundwater Meeting on July 19, 2006:

1. The three most important groundwater stabilization parameters, in order of importance, are: (1) specific conductance, (2) pH, and (3) dissolved oxygen.
2. Other parameters, including temperature, turbidity, and oxidation-reduction potential, will be monitored and recorded. However, they will not be used to determine stabilization and will be used only for informational purposes.
3. For determining whether a well has stabilized, the minimum and maximum values of the last three readings for specific conductivity, pH, and dissolved oxygen will be

compared, without regard to order.

4. The stabilization criteria are: (1) specific conductance: plus or minus 3%, (2) pH: plus or minus 0.2 pH units, and (3) dissolved oxygen: plus or minus 10% or 0.2 mg/L (whichever is greater).

A formal revision to the SAP incorporating these changes is being prepared.

5.0 Summary and Conclusions

Groundwater elevations were measured on November 13, 2006 in the 48 monitoring wells that are associated with Parcel B. Groundwater in Parcel B generally flows from the upland area in the non-Navy property to the north, towards San Francisco Bay. The potentiometric surface contours are roughly parallel to the shoreline. The general pattern of groundwater flow in Parcel B was relatively consistent throughout 2006.

Groundwater sampling in Parcel B was conducted between November 15 and December 12 19, 2006. Groundwater samples were collected from 30 monitoring wells. .

In the IR-10 treatability study area, the December 2006 data indicate that the lateral extent of VOC contamination is stable. Trigger levels were not exceeded for VOCs in any IR-10 wells in the current quarter.

In the Exploratory Excavation EE-05 area, trigger levels for mercury were exceeded in two wells in the current event. Mercury concentrations vary over time, with highest mercury concentrations typically detected in samples collected during the summer months.

Hexavalent chromium is present in wells scattered throughout Parcel B. Trigger levels for hexavalent chromium were not exceeded in any Parcel B wells in the current quarter. The sole Parcel B well with historical hexavalent chromium concentrations above trigger levels was decommissioned following the 2Q2006 sampling event.

The data validation process determined that 99.97 percent of the current event groundwater analytical data (including field-collected samples and QA/QC samples) for Parcel B are considered usable.

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6.0 References

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Tables

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Table 1-1. Compliance monitoring well construction and sampling information.

Well ID	Parcel	Northing	Easting	TOC elevation (ft MSL)	TOS depth (ft bgs)	BOS depth (ft bgs)	Casing TD (ft bgs)	SAP required DTW?	SAP required sampling?	Comment
IR06MW42A	C*	452872.19	1461317.85	11.89	8.5	13.5	13.5	Yes	Yes	
IR06MW45A	C*	453071.69	1461364.35	9.89	4	14	14	Yes	Yes	Decommissioned (2006)
IR06MW46A	B	453055.28	1460945.44	9.46	7	17	17	Yes	No	
IR07MW19A	B	453874.18	1460508.90	9.56	6	16	16	Yes	Yes	
IR07MW20A1	B	453944.26	1460379.24	9.26	6	24	24	Yes	Yes	
IR07MW21A1	B	453941.51	1459683.70	13.89	6	16	16.5	Yes	Yes	
IR07MW23A	B	453693.82	1459476.14	15.76	7	17	17	Yes	Yes	
IR07MW24A	B	453884.37	1459749.67	16.26	5	15	15	Yes	Yes	
IR07MW25A	B	453990.88	1459624.70	12.67	8	18	18	Yes	Yes	
IR07MW26A	B	453900.68	1460093.30	14.50	5	15	15	Yes	Yes	
IR07MW27A	B	453649.86	1459864.33	16.15	11	21	21.5	Yes	Yes	
IR07MW28A	NNP	453984.94	1459539.08	12.03	5	15	15.5	Yes	Yes	
IR07MW93A	B	453533.20	1459686.30	19.53	9	29	29	Yes	No	
IR07MW94A	B	453749.30	1459659.70	15.15	14	24	25	Yes	No	
IR07MW95A	NNP	453827.30	1459415.20	16.60	11	21	21	Yes	No	
IR07MWS-2	B	453860.98	1460286.15	12.71	5.5	15.5	15.5	Yes	Yes	
IR07MWS-3	B	453983.55	1460068.55	9.75	5	20	20	Yes	No	Decommissioned (1998)
IR07MWS-4	B	453825.23	1459913.20	16.78	6	16	16	Yes	Yes	
IR10MW12A	B	453434.25	1460715.61	9.08	3	18	18	Yes	Yes	Decommissioned (2006)
IR10MW13A1	B	453493.91	1460949.27	9.92	5	20	20.5	Yes	Yes	
IR10MW14A	B	453314.10	1461123.44	10.23	5	20	20	Yes	Yes	
IR10MW28A	B	453331.55	1460886.65	13.57	7	17	17	Yes	Yes	
IR10MW29A1	B	453398.31	1461092.66	9.15	5	15	15	Yes	No	
IR10MW31A1	B	453615.90	1461025.80	10.34	7	17	17	Yes	Yes	
IR10MW32A	B	453576.62	1460834.19	9.77	6	21	21	Yes	No	
IR10MW33A	B	453449.25	1460845.00	10.17	5.5	15.5	15.5	Yes	Yes	
IR10MW59A	B	453416.10	1460841.80	13.79	8.5	17.5	17.5	Yes	Yes	
IR10MW61A	B	453432.71	1460925.53	10.05	11	21	21	Yes	Yes	
IR10MW62A	B	453481.77	1460884.45	9.53	11	21	21	No	Yes	
IR10MW71A	B	453394.48	1460873.32	13.87	14	24	24	No	Yes	

Table 1-1. Compliance monitoring well construction and sampling information.

Well ID	Parcel	Northing	Easting	TOC elevation (ft MSL)	TOS depth (ft bgs)	BOS depth (ft bgs)	Casing TD (ft bgs)	SAP required DTW?	SAP required sampling?	Comment
IR10MW76A	B	453416.10	1460787.15	13.83	8	18	18	No	Yes	
IR10MW79A	B	453409.00	1460998.00	10.11	11	21	21	Yes	Yes	
IR10MW80A	B	453468.00	1461004.00	9.67	11	21	21	Yes	Yes	
IR18MW100B	B	453579.54	1459329.10	17.94	40	45	47	Yes	No	
IR18MW101B	B	453573.70	1459432.00	18.89	37	42	45	Yes	No	
IR18MW200A	NNP	453615.58	1459217.80	26.96	18	33	33	Yes	No	
IR18MW21A	B	453595.74	1459304.90	17.56	10	20	20	Yes	Yes	
IR18MW91A	NNP	453502.40	1459168.30	18.75	13	23	23.5	Yes	No	
IR18MW92A	B	453446.90	1459396.70	20.70	17	27	27	Yes	No	
IR20MW17A	B	453190.62	1461540.19	10.51	7	22	22	Yes	No	
IR24MW06A	B	453410.09	1461597.20	10.25	5	20	20	Yes	No	
IR25EW01A	B	453081.10	1461214.50	10.81	6	16	16	Yes	No	
IR25MW17A	C*	453179.91	1461269.80	10.31	5.5	21	21	Yes	Yes	
IR25MW37A	C*	453205.58	1461207.98	10.07	7	16	16	Yes	Yes	
IR26MW40A	B	453255.18	1461821.88	9.89	6	26	26.5	Yes	No	
IR26MW41A	B	453170.16	1461730.13	10.15	6	21	21.5	Yes	Yes	
IR26MW43A	B	453117.00	1461949.00	7.09	6	16	16.5	Yes	No	
IR26MW44A	B	452993.00	1461781.00	8.25	6	13	14	Yes	No	
IR26MW45A	B	453031.99	1462451.80	8.28	6.5	16.5	16.5	No	Yes	Decommissioned (2001)
IR26MW46A	B	453140.89	1462431.10	8.08	7	17	18	Yes	Yes	
IR26MW47A	B	453141.70	1462633.00	7.75	5	15	15	Yes	Yes	
IR26MW48A	B	453015.53	1462497.00	8.13	9	19	20	Yes	Yes	
IR26MW49A	B	453160.04	1462658.08	7.99	4.5	14.5	15	Yes	Yes	Installed July 2006
IR26MW50A	B	453249.55	1462491.61	7.42	4.5	14.5	15	Yes	Yes	Installed July 2006
IR46MW37A	B	453313.79	1461359.15	9.58	6	21	21	Yes	Yes	
IR46MW38A	B	453446.11	1461236.22	9.78	6	21	21	Yes	No	
IR46MW39A	B	453696.82	1461196.22	9.75	6	21	21	Yes	No	
IR46MW41A	B	453315.08	1461733.30	9.57	6	21	21.5	Yes	No	
IR46MW43A	B	453865.93	1460868.23	8.98	6	21	21	Yes	No	
IR46MW46A	B	453729.00	1461225.00	9.61	6	21	21.5	Yes	No	

Table 1-1. Compliance monitoring well construction and sampling information.

Well ID	Parcel	Northing	Easting	TOC elevation (ft MSL)	TOS depth (ft bgs)	BOS depth (ft bgs)	Casing TD (ft bgs)	SAP required DTW?	SAP required sampling?	Comment
IR46MW47A	B	453641.00	1461337.00	9.69	6	21	21.5	Yes	No	
IR46MW48A	B	453542.00	1461472.00	8.89	6	21	21.5	Yes	No	
IR60MW08A	B	453842.00	1460745.00	9.40	6	21	21.5	Yes	No	Decommissioned (2006)
IR61MW05A	B	453484.00	1460621.00	10.11	6	21	21.5	Yes	Yes	
IR62MW07A	B	453364.00	1460435.00	10.20	6.5	21.5	21.5	Yes	No	
IR62MW08A	B	453176.00	1460458.00	10.35	6	16	17	Yes	No	
PA24MW02A	B	453612.49	1461318.15	9.46	6	21.5	21.5	Yes	No	Decommissioned
PA50MW01A	B	453658.20	1460792.22	9.18	6	16.2	16.2	Yes	Yes	
PA50MW02A	B	452949.76	1461934.39	7.80	6	16	16	Yes	No	
UT02MW15A	B	453338.16	1460317.32	12.57	4.5	19.5	19.5	Yes	No	
UT03MW11A	B	453634.94	1460185.06	9.94	5	20	20.5	Yes	Yes	
UT03MW12A	B	453575.93	1460331.93	10.10	6	21	21.5	Yes	No	

Notes:

Acronyms/Abbreviations:

BOS: Bottom of screen (from well log)
ft bgs: Feet below ground surface
ft MSL: Feet above mean sea level
ID: Identification number
SAP: Basewide Groundwater Monitoring Program Sampling and Analysis Plan (Tetra Tech, 2004)
TD: Total depth of casing (from well log)
TOC: Top of casing
TOS: Top of screen (from well log)

Parcel:

C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report
NNP: Non-Navy Property, reported by SAP assigned parcel

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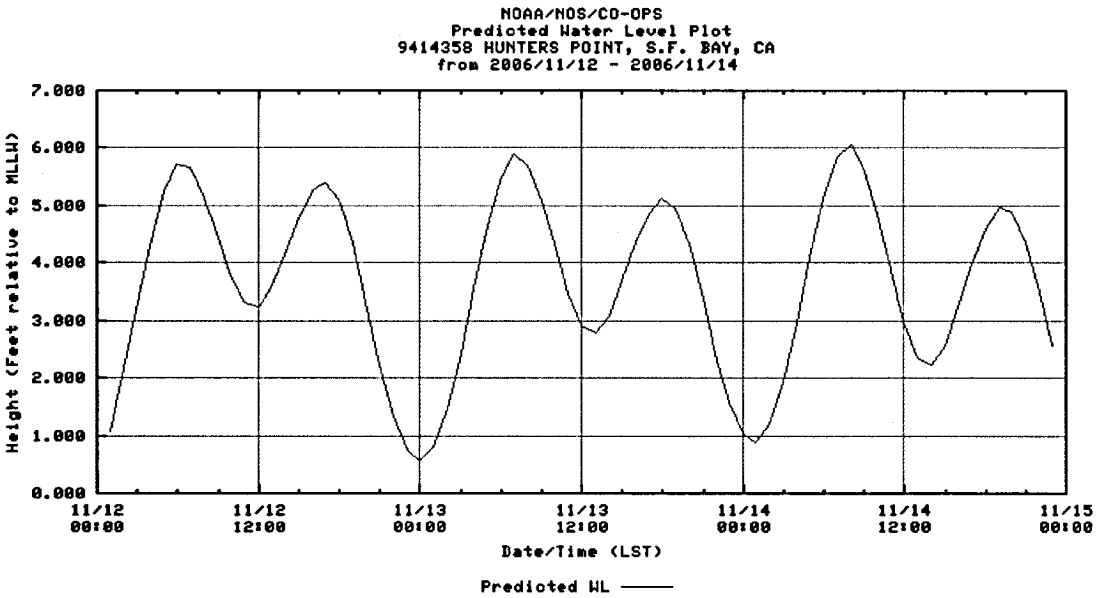
Table 3-1. Tide plot and predictions for Hunters Point, November 12-14, 2006.



Notes:

Tide elevation (ft MSL) can be calculated by subtracting 3.56 ft from MLLW (mean lower low water) height.
Water levels measured between 10:48 and 14:48 on 11/13/06.
Data from NOAA (2006).

Date	Time (local)	Tide	Height (feet, mean lower low water)
11/12/06	0640	high	5.8
11/12/06	1202	low	3.1
11/12/06	1652	high	5.5
11/13/06	0007	low	0.5
11/13/06	0724	high	5.9
11/13/06	1309	low	2.6
11/13/06	1809	high	5.3
11/13/06	2359	low	0.8
11/14/06	0800	high	6.1
11/14/06	1405	low	2.1
11/14/06	1924	high	5.1

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Table 4-1. Summary of groundwater sampling information (October-December 2006).

Well ID	Parcel	Well Type	Sample ID	Sampled	Sample Date	Sample Time	Comment	Mercury-CLP	Metals-CLP	Pesticides and PCBs CLP	SVOCs-CLP	VOCs-CLP	EPA1602 TSS	EPA6010B Dissolved Metals	EPA 7199 Hexavalent chromium	EPA7470A Dissolved Mercury	EPA8015 Gas	EPA8015M Diesel or Motor Oil	EPA8260B VOCs-8260	EPA8270C SVOCs-8270
IR06MW42A	C*	Utility Line	0650G051	Y	12/11/06	935		Q	Q	Q	Q	Q	Q		Q		Q	Q		
IR06MW45A	C*	Sentinel and VOC		N			Decommissioned					Q	SA	SA	SA	SA	SA	SA		
IR07MW19A	B	POC	0646H001	Y	11/15/06	1035		Q	Q			Q	Q		Q		Q	Q		
IR07MW20A1	B	Post-Remedial Action	0646H002	Y	11/15/06	1150		Q	Q			Q	Q		Q		Q	Q		
IR07MW21A1	B	Post-Remedial Action	0646B002	Y	11/15/06	1515		Q	Q			Q	Q		Q		Q	Q		
IR07MW23A	B	Sentinel		N			only sampled in 1st & 3rd quarters	SA	SA			SA	SA		SA		SA	SA		
IR07MW24A	B	Post-Remedial Action	0646G002	Y	11/15/06	930		Q	Q			Q	Q		Q		Q	Q		
IR07MW25A	B	Post-Remedial Action	0646B001	Y	11/15/06	1145		Q	Q			Q	Q		Q		Q	Q		
IR07MW26A	B	Post-Remedial Action	0646W001	Y	11/15/06	1105		Q	Q			Q	Q		Q		Q	Q		
IR07MW27A	B	Sentinel		N			only sampled in 1st & 3rd quarters	SA	SA	SA	SA	SA	SA		SA		SA	SA		
IR07MW28A	NNP	On-and-Off Site Migration	0648D017	Y	11/29/06	1030		Q	Q	Q	Q	Q	Q		Q		Q	Q		
IR07MWS-2	B	POC	0646G005	Y	11/16/06	952		Q	Q			Q	Q		Q		Q	Q		
IR07MWS-4	B	POC	0646W002	Y	11/15/06	1300		Q	Q			Q	Q		Q		Q	Q		

Table 4-1. Summary of groundwater sampling information (October-December 2006).

Well ID	Parcel	Well Type	Sample ID	Sampled	Sample Date	Sample Time	Comment	Mercury-CLP	Metals-CLP	Pesticides and PCBs CLP	SVOCs-CLP	VOCs-CLP	EPA1602 TSS	EPA6010B Dissolved Metals	EPA 7199 Hexavalent chromium	EPA7470A Dissolved Mercury	EPA8015 Gas	EPA8015M Diesel or Motor Oil	EPA8260B VOCs-8260	EPA8270C SVOCs-8270
IR10MW12A	B	Hex Chrom and VOC		N			Decommissioned					Q	Q		Q					
IR10MW13A1	B	VOC	0646H003	Y	11/15/06	1436						Q								
IR10MW14A	B	VOC	0646G004	Y	11/15/06	1436						Q								
IR10MW28A	B	Sentinel and VOC		N			Insufficient water					Q	SA	SA	SA	SA	SA	SA		
IR10MW31A1	B	POC and VOC	0646D001	Y	11/15/06	1030		Q	Q			Q	Q		Q		Q	Q		
IR10MW33A	B	VOC	0649B023	Y	12/5/06	947						Q								Q
IR10MW59A	B	VOC	0646H005	Y	11/16/06	1315						Q								
IR10MW61A	B	Supp	0649H015	Y	12/5/06	915													Q	
IR10MW62A	B	Supp	0649W027	Y	12/5/06	950													Q	
IR10MW71A	B	Supp	0646H006	Y	11/16/06	1440													Q	
IR10MW76A	B	Supp	0646H004	Y	11/16/06	1114													Q	
IR10MW79A	B	Supp	0646D002	Y	11/15/06	1445													Q	
IR10MW80A	B	Supp	0649B019	Y	12/4/06	1412													Q	
IR18MW21A	B	On-and-Off Site Migration	0646G003	Y	11/15/06	1117		Q	Q	Q	Q	Q	Q		Q		Q	Q		
IR25MW17A	C*	Sentinel and VOC	0650B042	Y	12/12/06	1148						Q	SA	SA	SA	SA	SA	SA		
IR25MW37A	C*	VOC		N			Inaccessible					Q								
IR26MW41A	B	POC	0646D003	Y	11/16/06	1025		Q	Q			Q	Q		Q		Q	Q		

Table 4-1. Summary of groundwater sampling information (October-December 2006).

Well ID	Parcel	Well Type	Sample ID	Sampled	Sample Date	Sample Time	Comment	Mercury-CLP	Metals-CLP	Pesticides and PCBs CLP	SVOCs-CLP	VOCs-CLP	EPA1602 TSS	EPA6010B Dissolved Metals	EPA 7199 Hexavalent chromium	EPA7470A Dissolved Mercury	EPA8015 Gas	EPA8015M Diesel or Motor Oil	EPA8260B VOCs-8260	EPA8270C SVOCs-8270
IR26MW45A	B	Supp		N			Decommissioned													
IR26MW46A	B	Supp	0646W004	Y	11/16/06	1455		Q	Q	Q	Q		Q		Q					
IR26MW47A	B	Supp	0646B004	Y	11/16/06	1217		Q	Q	Q	Q		Q		Q					
IR26MW48A	B	Supp	0649D040	Y	12/8/06	1420		Q	Q	Q	Q		Q		Q					
IR26MW49A	B	Supp	0646B003	Y	11/16/06	952		Q	Q	Q	Q		Q		Q					
IR26MW50A	B	Supp	0646D004	Y	11/16/06	1145		Q	Q	Q	Q		Q		Q					
IR46MW37A	B	POC	0646G007	Y	11/16/06	1150		Q	Q			Q	Q		Q		Q	Q		
IR61MW05A	B	Sentinel		N			only sampled in 1st & 3rd quarters	SA	SA			SA	SA		SA		SA	SA		
PA50MW01A	B	POC and VOC		N			Inaccessible	Q	Q			Q	Q		Q		Q	Q		
UT03MW11A	B	Sentinel		N			only sampled in 1st & 3rd quarters	SA	SA			SA	SA		SA		SA	SA		

Notes:

The analyses to be performed are as outlined in SAP Table 7A.

Abbreviations/Acronyms:

- **CLP: Contract laboratory protocol**
- **PCB: Polychlorinated biphenyls**
- **POC: Point of compliance**
- **Q: Quarterly sampling frequency**
- **SA: Semiannual sampling frequency**
- **Supp: Supplemental characterization**
- **SVOC: Semivolatile organic compounds**
- **TSS: Total suspended solids**
- **VOC: Volatile organic compounds**

Parcel:

C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report
NNP: Non-Navy Property, reported by SAP assigned parcel

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Table 4-2. Summary of quality control sample information (October-December 2006).

Well ID	Parcel	Well Type	Sample ID	QC Type	Sample Date	Sample Time	Mercury-CLP	Metals-CLP	PesticidesAnd PCBs-CLP	SVOCs-CLP	VOCs-CLP	EPA1602 TSS	EPA6010B Dissolved Metals	EPA 7199 Hex Chrom	EPA7470A Dissolved Mercury	EPA8015 Gas	EPA8015M Diesel or Motor Oil	EPA8260B VOCs-8260	EPA8270C SVOCs-8270
IR07MWS-2	B	POC	0646G006	FD	11/16/06	1005	Q	Q			Q	Q		Q		Q	Q		
IR10MW62A	B	Supp	0649W028	FD	12/05/06	955												Q	
IR10MW71A	B	Supp	0646H007	FD	11/16/06	1450												Q	
IR10MW80A	B	Supp	0649B020	FD	12/04/06	1418												Q	
IR07MW25A	B	Post Remedial Action	IR07EB634	EB	11/15/06	1355	Q	Q			Q	Q		Q		Q	Q		
IR07MWS-4	B	POC	IR07EB635	EB	11/15/06	1443	Q	Q			Q	Q		Q		Q	Q		
IR10MW13A1	B	VOC	IR10EB636	EB	11/15/06	1500					Q								
IR10MW14A	B	VOC	IR10EB637	EB	11/15/06	1500					Q								
IR10MW79A	B	Supp	IR10EB638	EB	11/15/06	1530												Q	
IR10MW71A	B	Supp	IR10EB639	EB	11/16/06	1515												Q	
IR10MW33A	B	VOC	IR10EB677	EB	12/05/06	1040					Q								Q
IR25MW17A	C*	Sentinel and VOC	IR25EB701	EB	12/12/06	1215					Q	SA	SA	SA	SA	SA	SA		
IR26MW46A	B	Supp	IR26EB640	EB	11/16/06	1612	Q	Q	Q	Q		Q		Q					
IR26MW48A	B	Supp	IR26EB696	EB	12/08/06	1440	Q	Q	Q	Q		Q		Q					
	B		IR06TB199	TB	12/11/06	1539					X					X			
	B		IR07TB181	TB	11/15/06	1422					X					X			
	B		IR07TB188	TB	11/29/06	1450					X					X			
	B		IR10TB184	TB	11/17/06	1410					X								
	B		IR10TB193	TB	12/05/06	1454					X								
	B		IR25TB200	TB	12/12/06	1525					X								
	BCDE		IR28TB186	TB	11/27/06	1539										X		X	
	B		IR46TB182	TB	11/16/06	1400					X					X			

Notes:

Abbreviations/Acronyms:

CLP: Contract laboratory protocol
EB: Equipment rinsate sample
FD: Field duplicate sample
POC: Point of compliance
Q: Quarterly sampling frequency
SA: Semiannual sampling frequency (sampled in 1st and 3rd quarters)
Supp: Supplemental characterization
SVOC: Semivolatile organic compounds
TB: Trip blank
VOC: Volatile organic compounds
X: Trip blank sample analyzed by this method

Parcel:

C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report

Table 4-3. Parcel B trigger level criteria for each RAMP monitoring well type.

Monitoring Well Type	Trigger Levels
POC	NAWQC or HGALs, whichever is higher, or the lowest attainable laboratory quantitation limit, if that is higher. TPH trigger levels from the petroleum hydrocarbons Corrective Action Plan (AFA Construction, Inc., 1997)
Sentinel	Ten times the trigger levels for POC monitoring wells
Post-Remedial Action	Same as the trigger levels for POC monitoring wells
VOC	For vinyl chloride, same as the trigger levels for POC monitoring wells For TCE and cis-1,2-DCE, 10 times the trigger levels for POC monitoring wells or measured increase in vinyl chloride Inhalation trigger levels for monitoring well inside building
On- and Off-site Migration	Well IR07MW28A: same as POC well trigger levels Well IR18MW21A: 10 times POC well trigger levels
Utility Line	Southeast Water Pollution Control Plant discharge requirements

Notes:

Acronyms/Abbreviations:

DCE: Dichloroethene
HGAL: Hunters Point groundwater ambient level (PRC, 1996)
NAWQC: National Ambient Water Quality Criteria (TtEMI, 1999)
POC: Point-of-compliance
RAMP: Remedial Action Monitoring Plan
TCE: Trichloroethene
TPH: Total petroleum hydrocarbons
VOC: Volatile organic compound

Sources:

AFA Construction, Inc. 1997. "Draft Petroleum Hydrocarbon Corrective Action Plan, Hunters Point Shipyard (HPS), San Francisco, California." November 4.

PRC 1996. "Estimation of Hunters Point Shipyard Groundwater Ambient Technical Memorandum," September 16.

TtEMI 1999. "Final Remedial Action Monitoring Plan, Parcel B, Hunters Point Shipyard, San Francisco, California." July 2.

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Table 4-4. Parcel B proposed trigger level criteria for non-RAMP monitoring wells.

Monitoring Well	Chemical	Trigger Level[a] (µg/L)	Reference
IR10MW12A[b] (hexavalent chromium well)	Hexavalent chromium	50	NAWQC
IR26MW46A, IR26MW47A, IR26MW48A (Supplemental Characterization wells)	Aroclor-1260	0.20	Analytical QL
	Arsenic	36	NAWQC
	Chlordane[c]	0.01	Analytical QL
	Copper	28.0	HGAL
	Chromium (total)	1,030	NAWQC
	Hexavalent chromium	50	NAWQC
	Lead	14.4	HGAL
	Manganese	8,140	HGAL
	Mercury	0.60	HGAL
	Zinc	81	NAWQC
	Benzo(a)anthracene	300	NAWQC
	Benzo(a)pyrene	300	NAWQC
	Benzo(b)fluoranthene	300	NAWQC
	Benzo(k)fluoranthene	300	NAWQC
	Chrysene	300	NAWQC
	Dibenzo(a,h)anthracene	300	NAWQC
	Indeno(1,2,3-cd)pyrene	300	NAWQC

Notes:

a Action and screening levels are the higher of the applicable NAWQC for exposure of aquatic organisms (if no criterion for chronic exposure is available, 1/10th of the criterion for acute exposure is used) or the HGAL, unless otherwise specified.

b A significant increase in vinyl chloride concentrations at this well will result in notification of the Base Realignment and Closure Cleanup Team.

c No criteria for chlordane were noted in the remedial action monitoring plan or the record of decision (TtEMI, 1999, 1997).

Acronyms/Abbreviations:

µg/L: Microgram per liter
HGAL: Hunters Point groundwater ambient level (PRC, 1996); (TtEMI, 1997)
IR: Installation Restoration
NAWQC: National Ambient Water Quality Criteria (TtEMI, 1999)
QL: Quantitation limit

Sources:

PRC, 1996. "Estimation of Hunters Point Shipyard Groundwater Ambient Technical Memorandum." September 16.
TtEMI 1997. "Final Record of Decision, Parcel B, Hunters Point Shipyard, San Francisco, California." October 9.
TtEMI 1999. "Final Remedial Action Monitoring Plan, Parcel B, Hunters Point Shipyard, San Francisco, California." July 2.

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Table 4-5. Numerical Parcel B trigger levels.

Analyte	POC Well Trigger Level (µg/L)[a]	Sentinel Well Trigger Level (µg/L)[b]	VOC Well Trigger Level (µg/L)[c]	Utility Line Well Trigger Level (µg/L)[d]	HGAL (µg/L)[e]	NAWQC (µg/L)[e]	Parcel B ROD Trigger Level (µg/L)[f]
TPH-D and TPH-G[g]	NT	NT	NT	NT	NA	NA	NT
PAHs	300	3,000	NT	NT	NA	300	NL
PCBs[h]	0.19	1.9	NT	5,000[i]	NA	0.1[j]	NL
1,2-Dichloroethene	85[k]	85[k]	85	NT	NA	224,000	85[l]
Trichloroethene	114[m]	114[m]	114	NT	NA	2,000[n]	114[l]
Vinyl Chloride	55	55[o]	55	200	NA	55[p]	55[l]
Antimony	500	5,000	NT	15,000[i]	43.3	500	500
Arsenic	36	360	NT	4,000	27.3	36	NL
Barium	504	5,040	NT	100,000[i]	504	NA	5,000
Beryllium	1.4	14	NT	750[i]	1.4	NA	1.4
Cadmium	9.3	93	NT	500	5.08	9.3	9.3
Chromium	15.7	157	NT	5,000	15.7	10,300	1,030[q]
Hexavalent Chromium	NT	NT	NT	5,000[i]	NA	50	50
Cobalt	20.8	208	NT	80,000[i]	20.8	NA	NL
Copper	28	280	NT	4,000	28	2.4	28
Lead	14.4	144	NT	1,500	14.4	8.1	14.4
Manganese	8,140	81,400	NT	NT	8,140	NT	8,140
Mercury	0.6	6	NT	50	0.60	0.03	0.6
Nickel	96.5	965	NT	2,000	96.5	8.2	96.5
Silver	7.43	74.3	NT	600	7.43	0.92	7.43
Thallium	13	130	NT	7,000[i]	13	2,130	213
Zinc	81	810	NT	7,000	75.7	81	75.7

Notes:

a: POC well trigger levels are based on the HGAL or the NAWQC, whichever is higher, unless otherwise noted (TtEMI, 1999). POC well trigger levels apply to POC wells, Post-Remedial action wells, and On- and Off-site Migration well IR07MW28A (TtEMI, 1999).

b: Sentinel well trigger levels are 10 times the POC well trigger levels, unless otherwise noted (TtEMI, 1999). Sentinel well trigger levels apply to sentinel wells and on- and off-site migration well IR18MW21A (TtEMI, 1999).

c: VOC well trigger levels are based on concentrations exceeding numerical criteria or exhibit a measured increase in the concentration of vinyl chloride, whichever occurs first.

d: Utility Line well trigger levels are based on Southeast Water Pollution Control Plant discharge requirements (TtEMI, 1999).

e: Concentrations are listed as reported in Table 5 of the final Parcel B RAMP (TtEMI, 1999), except for 1,2-dichloroethene, trichloroethene, chromium, and thallium. The NAWQCs listed in the 1999 RAMP for 1,2-dichloroethene, trichloroethene, chromium, and thallium were 1/10th the acute exposures; the NAWQCs listed in this table are the only NAWQCs applicable, those for acute exposure. The value listed for hexavalent chromium is from Table 10 of the final Parcel B ROD (TtEMI, 1997).

f: Concentrations are listed as reported in Table 10 of the final Parcel B ROD (TtEMI, 1997).

g: TPH is not a Comprehensive Environmental Response, Compensation, and Liability Act contaminant. A trigger level of 1,250 µg/L was included in the RAMP for screening purposes (TtEMI, 1999). The trigger level specified in the TPH Corrective Action Plan for Parcel B (TtEMI, 2001) is 1,400 µg/L at the shoreline, increasing to 20,000 µg/L at a distance of 250 feet inland.

h: PCBs with applicable trigger levels include Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260. Note that if the lowest attainable laboratory quantitation limit (QL) is higher than the trigger level (as for the POC wells and one of the migration wells), the QL is used as the trigger level.

i: Soluble Threshold Limit Concentration, California Code of Regulations, Title 22, Section 66261.24(a)(2)(A) (TtEMI, 1999).

j: Great Lakes Water Quality Initiative Tier II level criterion for PCBs (TtEMI, 1999).

k: POC and sentinel well trigger levels for 1,2-dichloroethene were reduced from 22,400 and 224,000 µg/L, respectively, as listed in the Parcel B RAMP (TtEMI, 1999), to a trigger level of 85 µg/L for both wells, since 1,2-dichloroethene criteria are based on human health.

l: Human health-based criteria were developed for VOCs that may represent a human health risk to a future resident at Parcel B. Concentrations of these VOCs in groundwater correspond with an excess lifetime cancer risk of 10-6 and were selected as a groundwater remedial action objective for protection of human health based on groundwater-to-indoor-air modeling analysis (TtEMI, 1997).

m: POC and sentinel well trigger levels for trichloroethene were reduced from 200 and 2,000 µg/L, respectively, as listed in the Parcel B RAMP (TtEMI, 1999), to a trigger level of 114 µg/L for both wells, since trichloroethene criteria are based on human health.

n: NAWQC for trichloroethene is 1/10th acute exposures based on additional toxicity information for aquatic life (TtEMI, 1999).

o: The sentinel well trigger level for vinyl chloride was reduced from 550 µg/L, as listed in the Parcel B RAMP (TtEMI, 1999), to 55 µg/L, since the vinyl chloride criterion is based on human health.

p: Because no NAWQC have been specified for vinyl chloride, a concentration of 55 µg/L was used based on the human health risk assessment for VOCs (TtEMI, 1999).

q: The ROD trigger level is for chromium III, no ROD trigger level has been established for total chromium (chromium III plus chromium VI).

Acronyms/Abbreviations:

µg/L: Microgram per liter
HGAL: Hunters Point groundwater ambient level
NA: Not available
NAWQC: National Ambient Water Quality Criteria
NL: No concentration in ROD (TtEMI, 1997)
NT: No trigger specified in RAMP (TtEMI, 1999)
PAH: Polynuclear aromatic hydrocarbon
PCB: Polychlorinated biphenyl
POC: Point-of-compliance
RAMP: Remedial action monitoring plan
ROD: Record of decision
TtEMI : Tetra Tech EM Inc.
TPH-d : Total petroleum hydrocarbons as diesel
TPH-g: Total petroleum hydrocarbons as gasoline
VOC: Volatile organic compound

Table 4-6. Concentrations of trichloroethene in groundwater.

Well ID	Parcel	Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Oct-Dec 2006 (ug/L)		Most Recent (ug/L)	
IR06MW42A	C*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR06MW45A	C*	0.5	U	0.5	U	decommissioned				0.5	U
IR07MW19A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW20A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW21A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW23A	B	0.25	J			0.36	J			0.36	J
IR07MW24A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW25A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW26A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW27A	B	0.5	U			0.5	U			0.5	U
IR07MW28A	NNP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MWS-2	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MWS-4	B	0.5	U	0.5	U	0.21	J	0.5	U	0.5	U
IR10MW12A	B	0.5	U	0.5	U	decommissioned				0.5	U
IR10MW13A1	B	5.3		6.4		6.2	J	4.5		4.5	
IR10MW14A	B	0.5	U	0.5	U	0.5	U	0.32	J	0.32	J
IR10MW28A	B			7.4						7.4	
IR10MW31A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR10MW33A	B	1.1		0.87	J	0.41	J	0.24	J	0.24	J
IR10MW59A	B	13		4.0	J	7.0		11		11	
IR10MW61A	B			0.27	J	1.1		0.5	U	0.5	U
IR10MW62A	B			1.9		1.7		1.7		1.7	
IR10MW71A	B			27		67		31		31	
IR10MW76A	B			0.44	J	0.54		0.23	J	0.23	J
IR10MW79A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR10MW80A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR18MW21A	B			0.5	U	0.5	U	0.17	J	0.17	J
IR25MW17A	C*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR25MW37A	C*	0.5	U	0.5	U	0.5	U			0.5	U
IR26MW41A	B	0.5	U	0.5	U	0.20	J	0.5	U	0.5	U

Table 4-6. Concentrations of trichloroethene in groundwater.

Well ID	Parcel	Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Oct-Dec 2006 (ug/L)		Most Recent (ug/L)	
IR46MW37A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR61MW05A	B	0.5	U			0.5	U			0.5	U
PA50MW01A	B	0.5	U	0.5	U	0.5	U			0.5	U
UT03MW11A	B	0.5	U			0.5	U			0.5	U

Notes:

Data Qualifiers:

D: Dilution

J : Estimated value

U : Not detected at a concentration above the reporting limit shown

Parcel:

C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report

NNP: Non-Navy Property, reported by SAP assigned parcel

Table 4-7. Concentrations of cis-1,2-dichloroethene in groundwater.

Well ID	Parcel	Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Oct-Dec 2006 (ug/L)		Most Recent (ug/L)	
IR06MW42A	C*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR06MW45A	C*	0.5	U	0.5	U	decommissioned				0.5	U
IR07MW19A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW20A1	B	0.5	U	0.51	J	0.5	U	0.5	U	0.5	U
IR07MW21A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW23A	B	0.62				0.79				0.79	
IR07MW24A	B	0.5	U	0.5	U	0.29	J	0.5	U	0.5	U
IR07MW25A	B	0.20	J	0.19	J	0.5	U	0.5	U	0.5	U
IR07MW26A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW27A	B	0.5	U			0.5	U			0.5	U
IR07MW28A	NNP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MWS-2	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MWS-4	B	0.5	U	0..5	U	0.5	U	0.5	U	0.5	U
IR10MW12A	B	0.5	U	0.5	U	decommissioned				0.5	U
IR10MW13A1	B	12		14		16	J	12		12	
IR10MW14A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR10MW28A	B			0.91						0.91	
IR10MW31A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR10MW33A	B	5.4		7.1	J	12		20		20	
IR10MW59A	B	85		65	J	73		46		46	
IR10MW61A	B			78		45		0.5	U	0.5	U
IR10MW62A	B			1.0		1.2		1.7		1.7	
IR10MW71A	B			43		94		12		12	
IR10MW76A	B			0.26	J	0.43	J	0.28	J	0.28	J
IR10MW79A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR10MW80A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR18MW21A	B	0.5	U	0.5	U	0.5	U	0.25	J	0.25	J
IR25MW17A	C*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR25MW37A	C*	0.5	U	0.5	UJ	0.5	U			0.5	U
IR26MW41A	B	0.25	J	0.24	J	0.24	J	0.5	U	0.5	U
IR46MW37A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR61MW05A	B	0.5	U			0.5	U			0.5	U

Table 4-7. Concentrations of cis-1,2-dichloroethene in groundwater.

Well ID	Parcel	Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Oct-Dec 2006 (ug/L)	Most Recent (ug/L)	
PA50MW01A	B	0.5	U	0.29	J	0.31	J		0.31	J
UT03MW11A	B	0.5	U			0.5	U		0.5	U

Notes:

Data Qualifiers:

D: Dilution

J: Estimated value

U: Not detected at a concentration above the reporting limit shown

Parcel:

C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report

NNP: Non-Navy Property, reported by SAP assigned parcel

Table 4-8. Concentrations of vinyl chloride in groundwater.

Well ID	Parcel	Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Oct-Dec 2006 (ug/L)		Most Recent (ug/L)	
IR06MW42A	C*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR06MW45A	C*	0.5	U	0.5	U	decommissioned				0.5	U
IR07MW19A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW20A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW21A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW23A	B	0.5	U			0.5	U			0.5	U
IR07MW24A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW25A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW26A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MW27A	B	0.5	U			0.5	U			0.5	U
IR07MW28A	NNP	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MWS-2	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR07MWS-4	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR10MW12A	B	0.5	U	0.5	U	decommissioned				0.5	U
IR10MW13A1	B	0.5	U	0.33	J	0.5	UJ	1.1		1.1	
IR10MW14A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR10MW28A	B			0.5	U					0.5	U
IR10MW31A1	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR10MW33A	B	0.67	U	0.97	J	3.1		12		12	
IR10MW59A	B	0.5	U	0.5	U	0.24	J	0.42	J	0.42	J
IR10MW61A	B			39		15		0.5	U	0.5	U
IR10MW62A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR10MW71A	B			2.0		5.1		0.83		0.83	
IR10MW76A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR10MW79A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR10MW80A	B			0.5	U	0.5	U	0.5	U	0.5	U
IR18MW21A	B	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U
IR25MW17A	C*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR25MW37A	C*	0.5	U	0.5	U	0.5	U			0.5	U
IR26MW41A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
IR46MW37A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Table 4-8. Concentrations of vinyl chloride in groundwater.

Well ID	Parcel	Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Oct-Dec 2006 (ug/L)	Most Recent (ug/L)	
IR61MW05A	B	0.5	U			0.5	U		0.5	U
PA50MW01A	B	0.5	U	0.5	U	0.5	U		0.5	U
UT03MW11A	B	0.5	U			0.5	U		0.5	U

Notes:

Data Qualifiers:

D: Dilution

J : Estimated value

U : Not detected at a concentration above the reporting limit shown

Parcel:

C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report

NNP: Non-Navy Property, reported by SAP assigned parcel

Table 4-9. Concentrations of hexavalent chromium in groundwater.

Well ID	Parcel	Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Oct-Dec 2006 (ug/L)		Most Recent (ug/L)	
IR06MW42A	C*	20	U	0.5	U	0.5	U	0.5	UJ	0.5	UJ
IR06MW45A	C*	20	U			decommissioned				20	U
IR07MW19A	B	20	U	0.5	U	0.5	UJ	9.2		9.2	
IR07MW20A1	B	20	UJ	0.5	U	0.5	U	20.1		20.1	
IR07MW21A1	B	20	UJ	0.5	U	0.5	UJ	0.5	U	0.5	U
IR07MW23A	B	20	UJ			0.5	U			0.5	U
IR07MW24A	B	20	U	0.5	U	0.5	UJ	0.5	U	0.5	U
IR07MW25A	B	20	U	0.5	U	0.5	UJ	0.5	U	0.5	U
IR07MW26A	B	20	U	0.5	U	0.5	UJ	8.0		8.0	
IR07MW27A	B	20	U			0.5	U			0.5	U
IR07MW28A	NNP	20	U	0.5	U	0.5	UJ			0.5	UJ
IR07MWS-2	B	20	UJ	0.5	U	0.5	UJ	8.4	J	8.4	J
IR07MWS-4	B	20	U	0.5	U	0.5	U	0.5	U	0.5	U
IR10MW12A	B	240	J	487		decommissioned				487	
IR10MW31A1	B	20	U	0.5	U	0.5	U	6.8		6.8	
IR18MW21A	B	6.9	J	0.5	U	0.15	J	0.5	U	0.5	U
IR25MW17A	C*	20	UJ	0.5	U	4.7	J			4.7	J
IR26MW41A	B	20	UJ	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ
IR26MW46A	B	20	UJ	0.5	U	0.5	UJ	0.5	U	0.5	U
IR26MW47A	B	20	UJ	0.5	U	0.5	UJ	16.2	J	16.2	J
IR26MW48A	B	20	U	0.5	U	0.5	U	12.1	J	12.1	J
IR26MW49A	B					0.5	UJ	13.3	J	13.3	J
IR26MW50A	B					0.5	UJ	11.5	J	11.5	J
IR46MW37A	B	20	UJ	0.5	U	0.5	UJ	0.5	U	0.5	U
IR61MW05A	B	20	U			0.5	UJ			0.5	UJ
PA50MW01A	B	20	UJ	0.35	J	0.5	UJ			0.5	UJ
UT03MW11A	B	20	UJ			1.9	J			1.9	J

Notes: Data Qualifiers:

D: Dilution

J: Estimated value

U: Not detected at a concentration above the reporting limit shown

Parcel:

C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report

NNP: Non-Navy Property, reported by SAP assigned parcel

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Table 4-10. Metals Exceeding Trigger Levels in Parcel B Monitoring Wells

Well ID	Well Type	Jan-Mar 2006	Apr-Jun 2006	Jul-Sep 2006	Oct-Dec 2006
IR06MW42A*	Utility Line	None	None	None	None
IR06MW45A*	Sentinel/VOC	None	Not Analyzed	Decommissioned July 2006	Decommissioned July 2006
IR07MW19A	POC	None	None	Copper	None
IR07MW20A1	Post-Remedial Action	None	None	Copper	None
IR07MW21A1[a]	Post-Remedial Action	None	None	None	None
IR07MW23A	Sentinel	None	Not Sampled	None	Not Sampled
IR07MW24A[b]	Post-Remedial Action	None	None	None	None
IR07MW25A[c]	Post-Remedial Action	None	None	None	None
IR07MW26A[a]	Post-Remedial Action	None	None	None	None
IR07MW27A	Sentinel	None	Not Sampled	None	Not Sampled
IR07MW28A	On- and Off-Site	None	None	None	None
IR07MWS-2	POC	None	None	None	None
IR07MWS-4[a]	POC	None	None	None	None
IR10MW12A	Hexavalent Chromium/VOC	Hexavalent chromium	Hexavalent chromium	Decommissioned July 2006	Decommissioned July 2006
IR10MW31A1	POC/VOC	None	None	None	None
IR18MW21A	On- and Off-Site	None	None	None	None
IR25MW17A*	Sentinel/VOC	None	Not Analyzed	None	Not Analyzed
IR26MW41A	POC	None	None	None	None
IR26MW46A[d]	Supplemental	None	None	None	None
IR26MW47A[d]	Supplemental	None	None	Copper	Mercury
IR26MW48A[d]	Supplemental	None	None	None	None

Table 4-10. Metals Exceeding Trigger Levels in Parcel B Monitoring Wells

Well ID	Well Type	Jan-Mar 2006	Apr-Jun 2006	Jul-Sep 2006	Oct-Dec 2006
IR26MW49A[e]	Supplemental			None	Mercury
IR26MW50A[e]	Supplemental			None	None
IR46MW37A	POC	None	None	None	None
IR61MW05A	Sentinel	None	Not Sampled	None	Not Sampled
PA50MW01A	POC/VOC	None	None	None	Not Sampled
UT03MW11A	Sentinel	None	Not Sampled	None	Not Sampled

Notes:

*: located in Parcel C, but included in the RAMP and reported in the Parcel B report

Metals that exceeded trigger levels for respective wells are listed for each quarterly sampling event.

a: Well decommissioned in March 2001; replacement well installed in March 2004

b: Well decommissioned in February 2001; replacement well installed in March 2004.

c: Well decommissioned in November 2000; replacement well installed in March 2004.

d: Well installed January 2002.

e: Well installed July 2006.

Abbreviations/Acronyms:

POC: Point of compliance

VOC: Volatile organic compound

Figures

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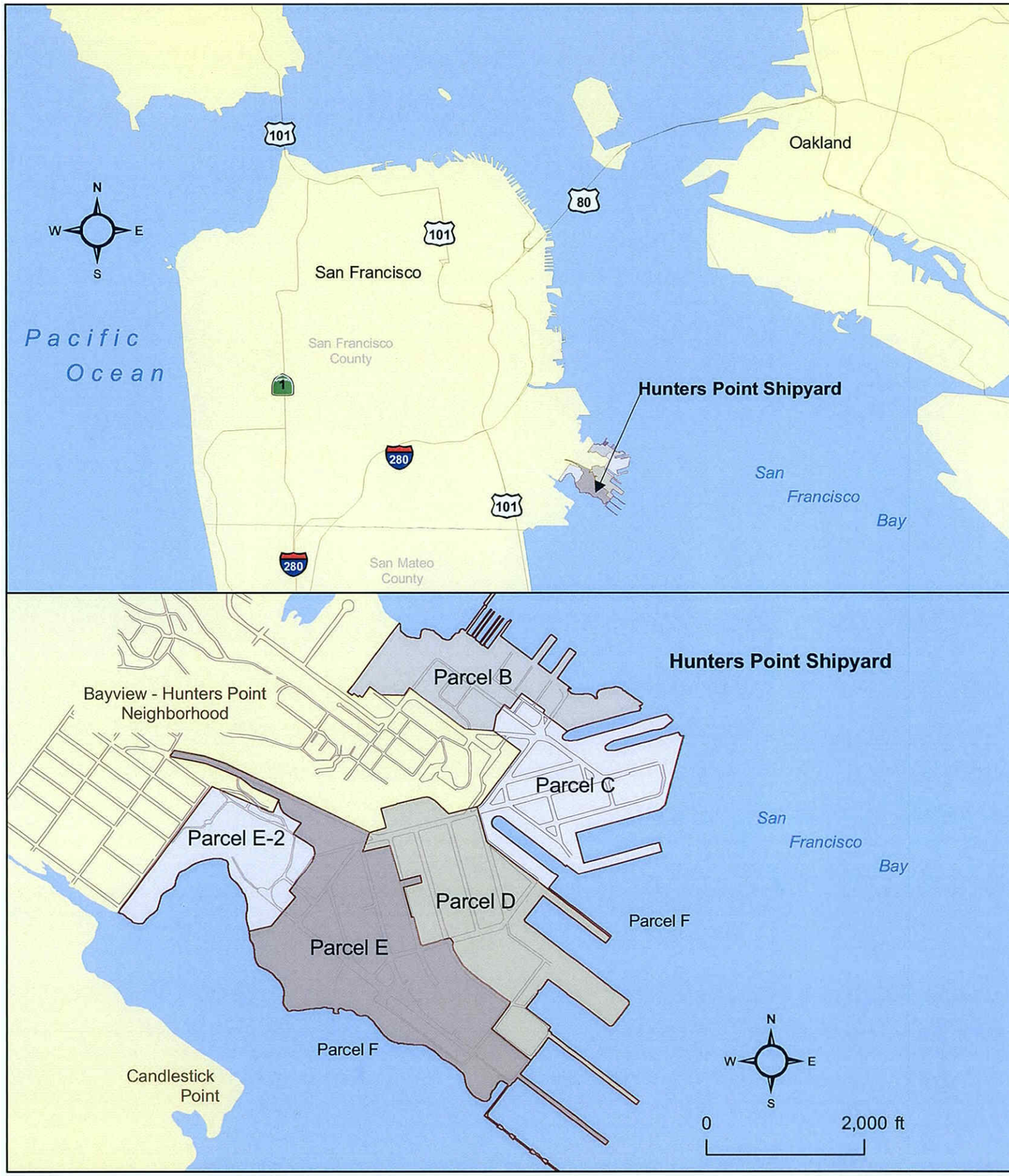

FIGURE 1 - 1

Geographic Setting

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Legend

- Monitoring well, DTW only
- Monitoring well, both DTW and groundwater sample
- Monitoring well, groundwater sample only
- Monitoring well, decommissioned
- Monitorig well, both DTW and groundwater sample not applicable
- Streets
- Water supply line
- Storm drain line
- Sanitary sewer line
- Extraction Treatability Studies
- Installation Restoration Sites
- Remedial action excavation
- Buildings
- Parcel B
- Parcel C
- Non-Navy property
- San Francisco Bay

Abbreviations:
DTW: Depth to Water

FIGURE 1 - 2

Parcel B compliance monitoring wells

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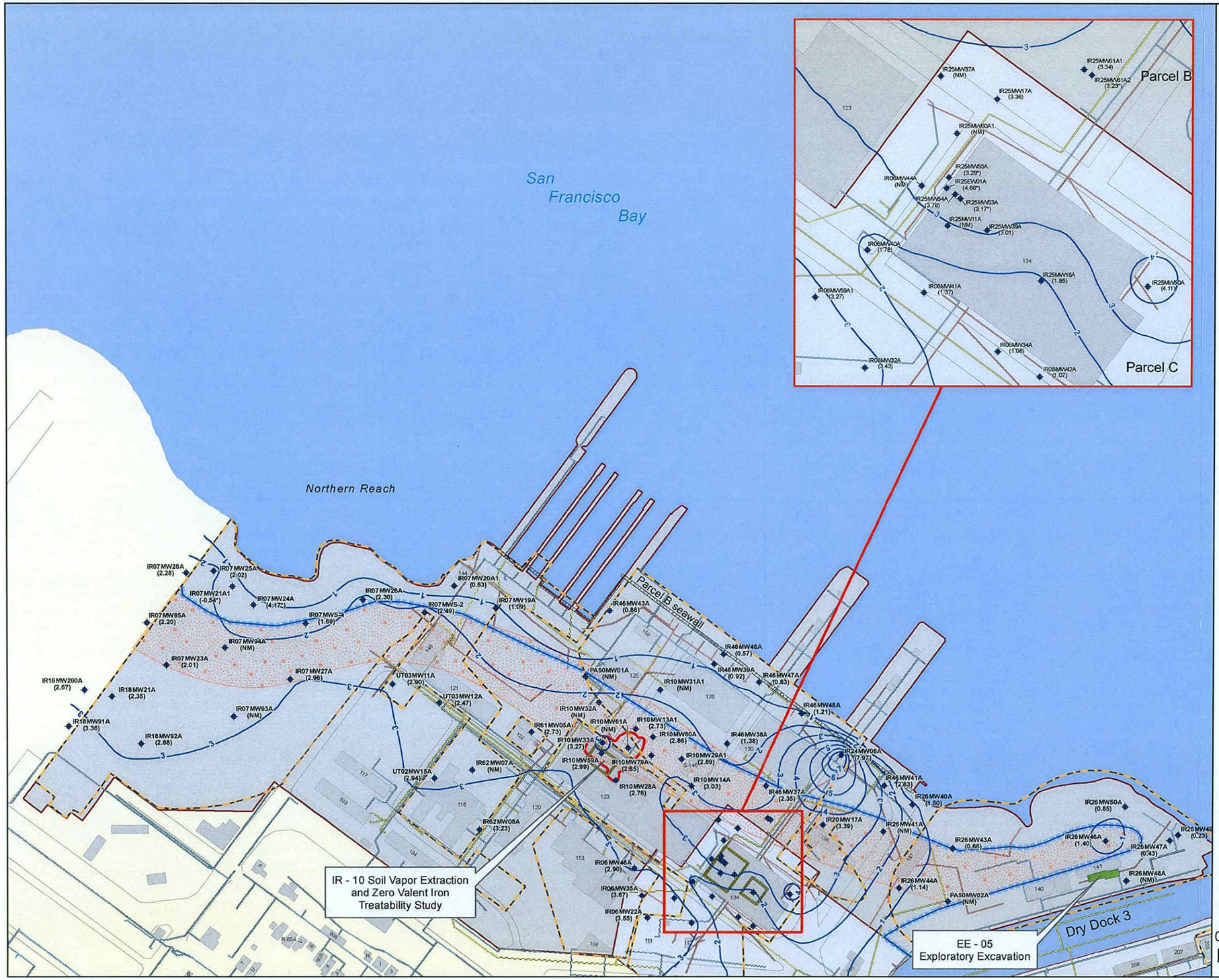

Legend

- Monitoring well, showing well ID and groundwater elevation (feet relative to Mean Sea Level [ft MSL]) * Not used in contouring
- Inferred groundwater potentiometric surface contour (feet, relative to Mean Sea Level [ft MSL]), dashed where uncertain, queried where unknown
- Parcel B seawall
- Water supply line
- Storm drain line
- Sanitary sewer line
- Streets
- EE - 05
- 134 Buildings
- Soil Vapor Extraction Treatability Study
- Zero Valent Iron Treatability Study estimated zone of treatment
- Groundwater elevation below mean sea level [MSL]
- Extent of tidally influenced zone
- 5 - year buffer zone
- Parcel B
- Parcel C
- Non - Navy property
- San Francisco Bay

*** Not used in contouring**

N W E S

0 250 500 ft

FIGURE **3 - 1**

Groundwater potentiometric surface contour map for the A - Aquifer (November 2006)

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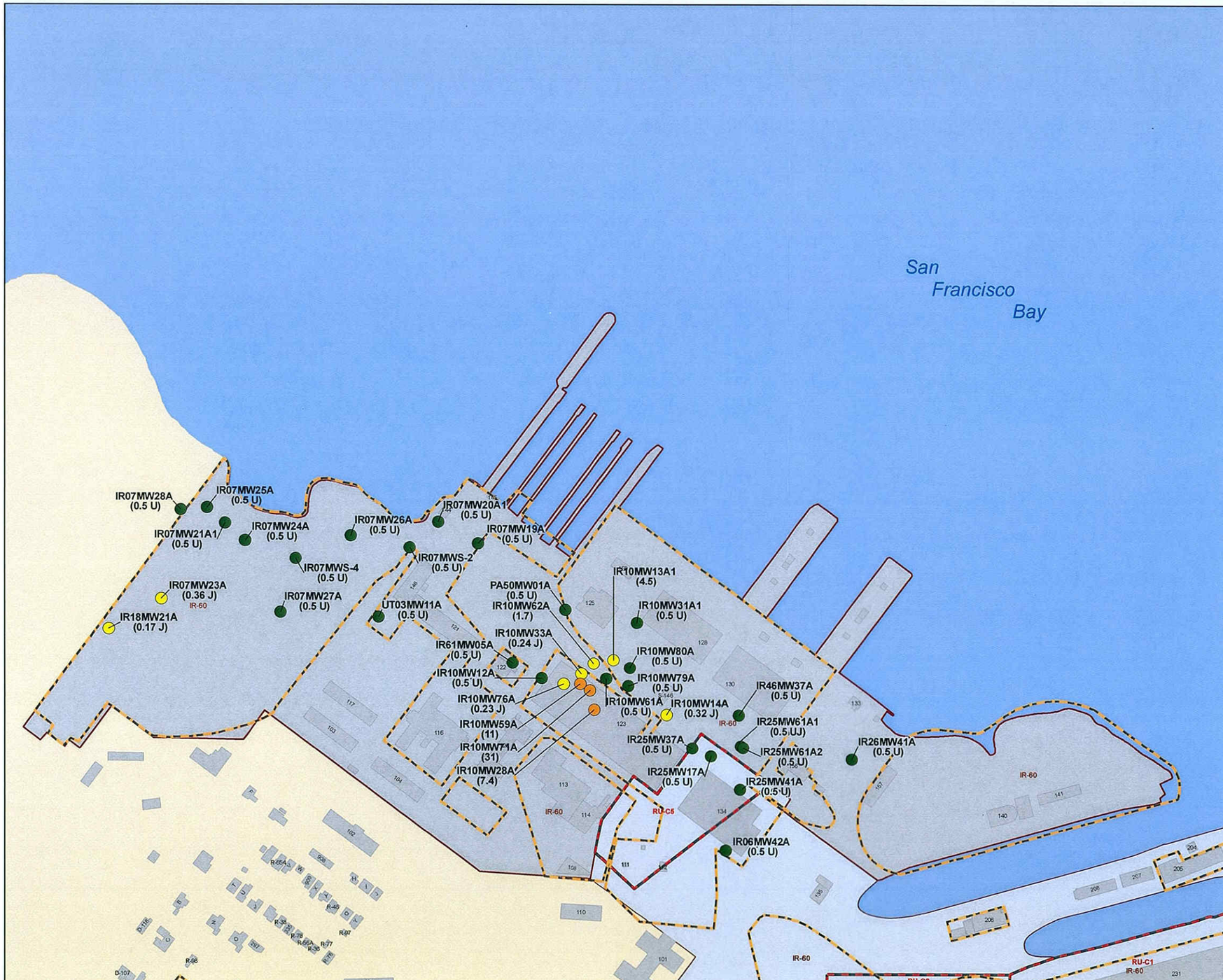

Legend

Trichloroethene concentration (ug/L)

- Greater than 100
- 5 to 100 (CA MCL: 5 ug/L)
- Detected and < 5
- Not detected
- IR-10 Installation Restoration Site
- RU - C5 Remedial units
- 134 Buildings
- Parcel B
- Parcel C
- Non - Navy property
- San Francisco Bay

Notes:

1. Concentrations shown are from the most recent quarter, or if not available, the most recent data from the previous three quarters.
2. Data from all wells sampled for the analyte are shown, regardless of the hydrostratigraphic completion interval.

Abbreviations:
ND Not Detected
MCL Maximum Contaminant Level
ug/L Micrograms per liter

N
W E
S

0 250 500 ft

FIGURE 4 - 1

Lateral distribution of trichloroethene in groundwater

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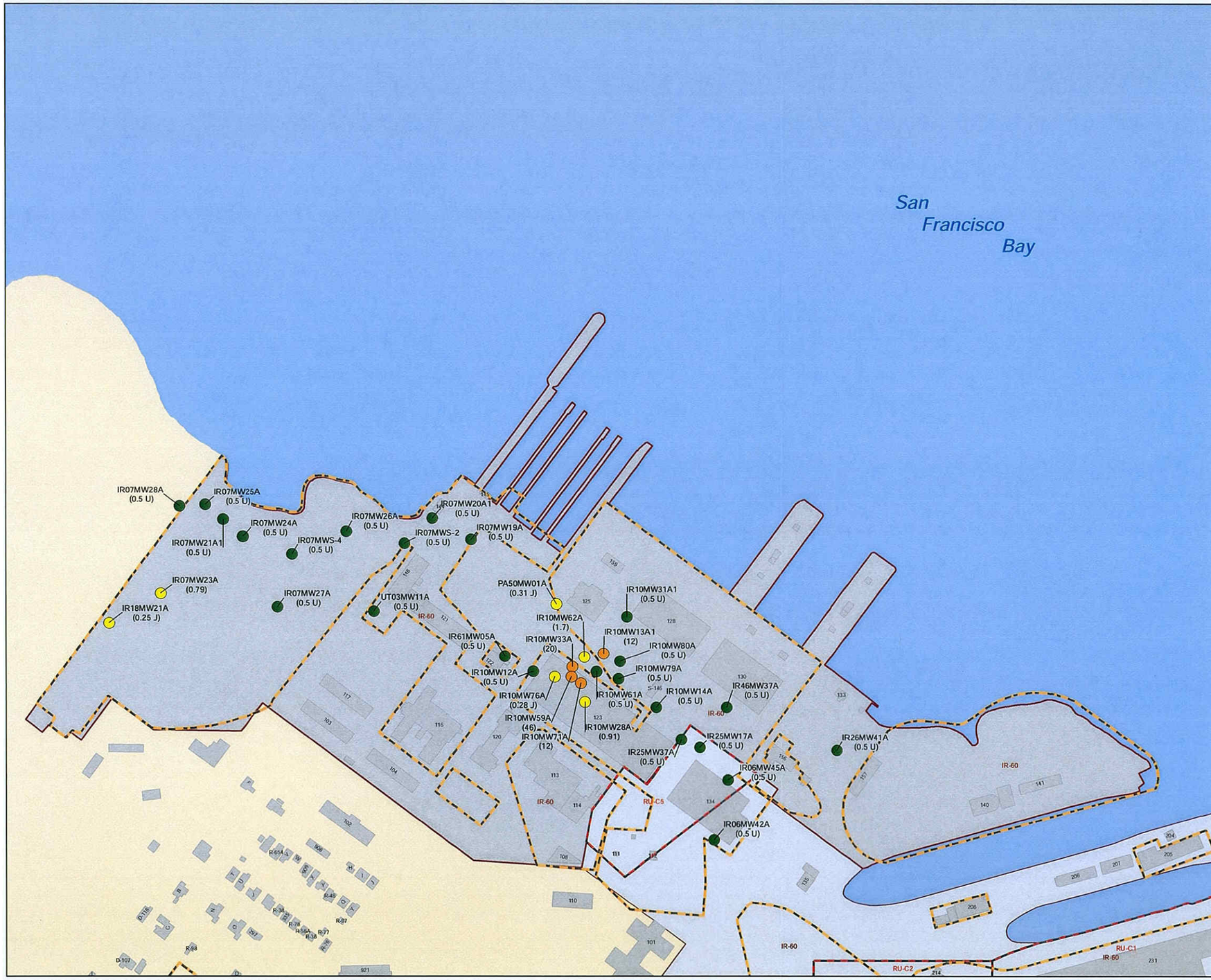

Legend

Cis-1,2-DCE concentration (ug/L)

- Greater than 70 (Fed: 70 ug/L)
- 6 to 70 (CA MCL: 6 ug/L)
- Dectected and < 6
- Not detected
- IR-10 Installation Restoration Site
- RU - C5 Remedial units
- 134 Buildings
- Parcel B
- Parcel C
- Non - Navy property
- San Francisco Bay

Notes:

1. Concentrations shown are from the most recent quarter, or if not available, the most recent data from the previous three quarters.
2. Data from all wells sampled for the analyte are shown, regardless of the hydrostratigraphic completion interval.

Abbreviations:

DCE	Dichloroethylene
ND	Not Detected
HGAL	Hunters Point Groundwater Ambient Level
NAWQC	National Ambient Water Quality Criteria
MCL	Maximum Contaminant Level
ug/L	Micrograms per liter

N W E S

0 250 500ft

FIGURE 4 - 2

Lateral distribution of cis-1,2-DCE in groundwater

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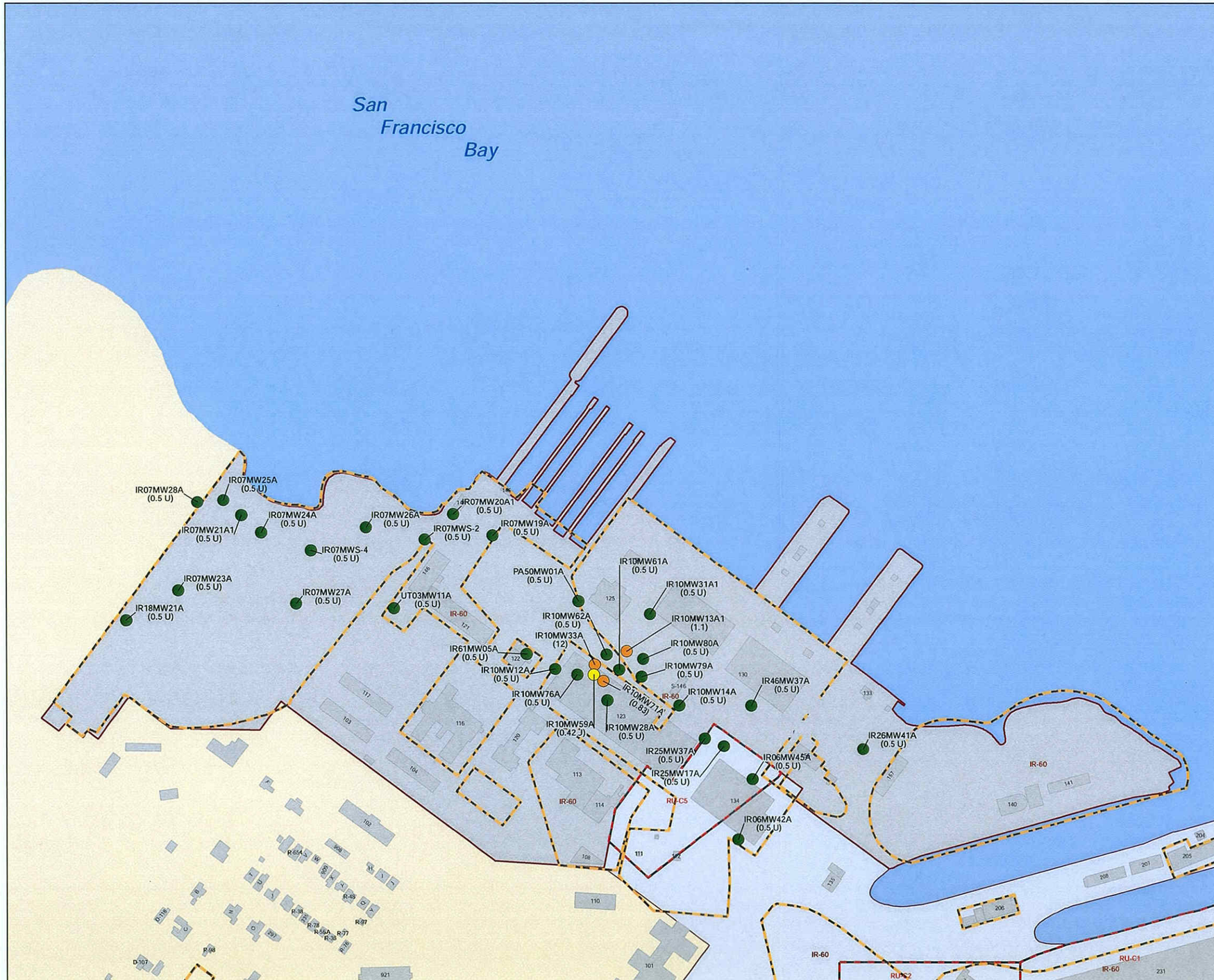

Legend

Vinyl chloride concentration (ug/L)

- Greater than 100
- 0.5 to 100 (CA MCL: 0.5 ug/L)
- Detected and < 0.5
- Not detected
- IR-10 Remedial unit
- RU-C5 Remedial unit
- 134 Buildings
- Parcel B
- Parcel C
- Non - Navy property
- San Francisco Bay

Notes:

1. Concentrations shown are from the most recent quarter, or if not available, the most recent data from the previous three quarters.
2. Data from all wells sampled for the analyte are shown, regardless of the hydrostratigraphic completion interval.

Abbreviations:

ND Not detected
MCL Maximum Contaminant Level
ug/L Micrograms per liter

FIGURE 4 - 3

Lateral distribution of vinyl chloride in groundwater

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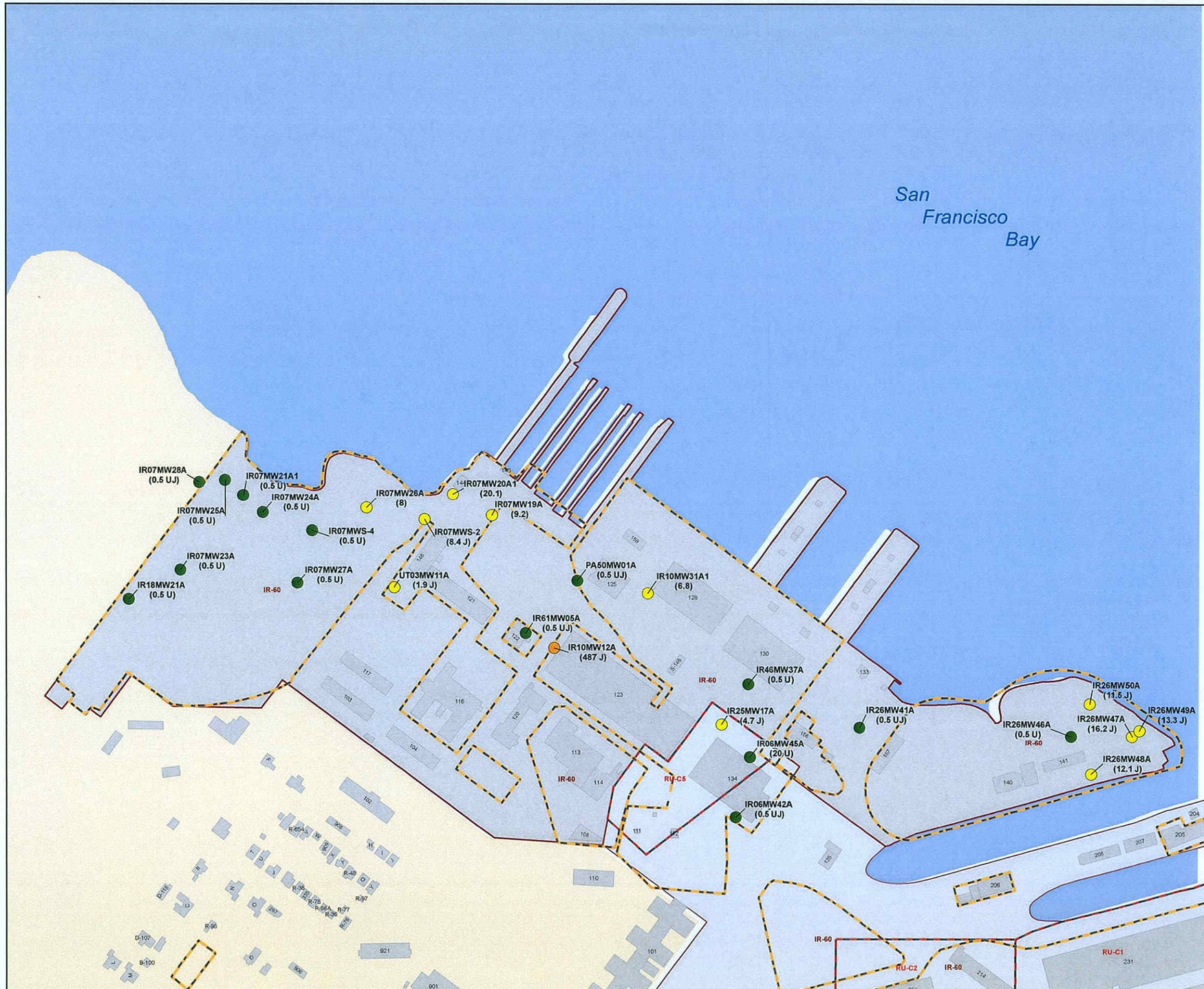

Legend

Hexavalent chromium concentration (ug/L)

- Greater than 500
- 50 to 500 (NAWQC: 50 ug/L)
- Detected and < 50
- Not detected
- IR-10 Installation Restoration site
- RU - C6 Remedial unit
- 134 Buildings
- Parcel B
- Parcel C
- Non - Navy property
- San Francisco Bay

Notes:

1. Concentrations shown are from the most recent quarter or if not available, the most recent data from the previous three quarters.
2. Data from all wells sampled for the analyte are shown, regardless of the hydrostratigraphic completion interval.

Abbreviations:

ND	Not Detected
NAWQC	National Ambient Water Quality Criteria
ug/L	Micrograms per liter

N W E S

0 250 500ft

FIGURE **4 - 4**

Lateral distribution of hexavalent chromium in groundwater

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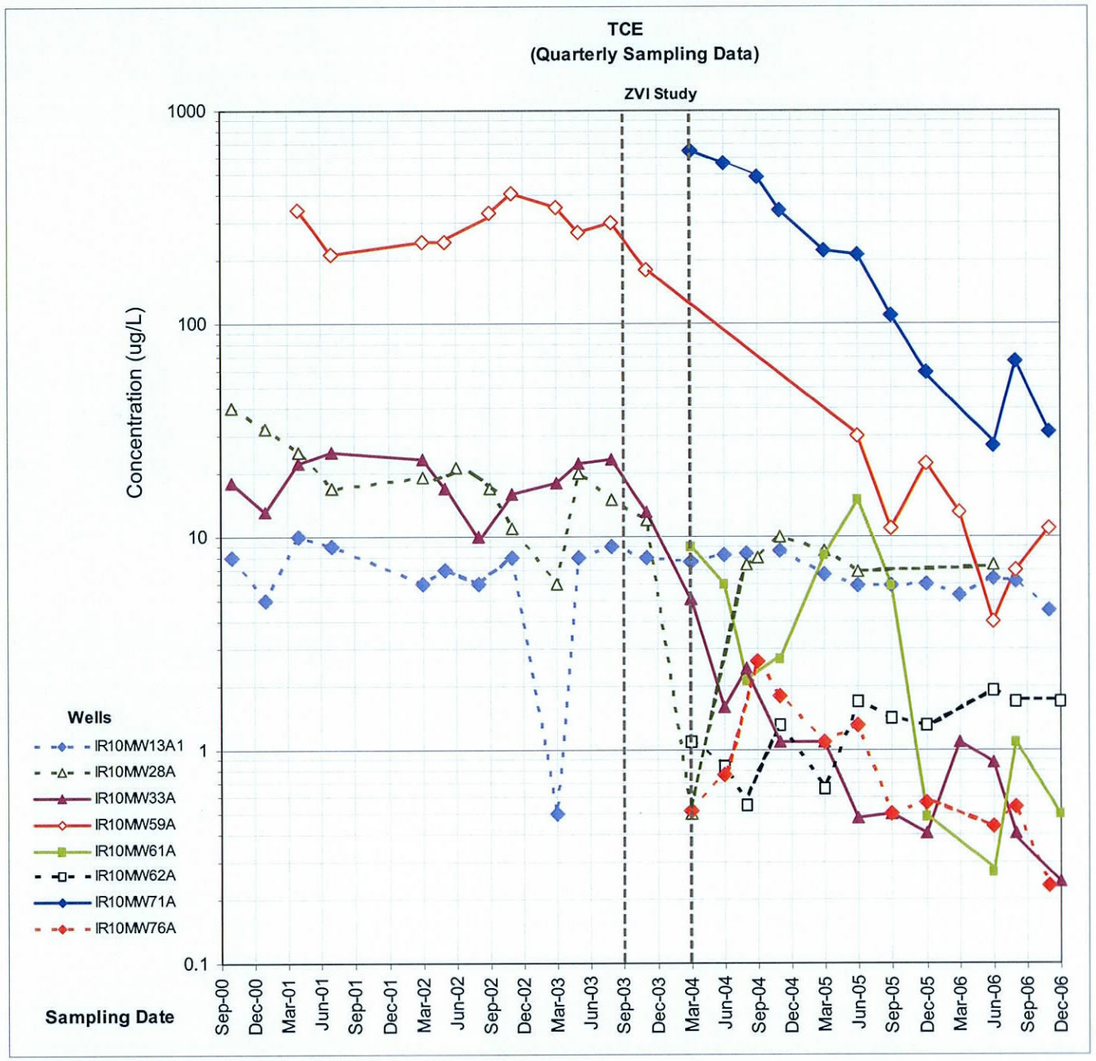
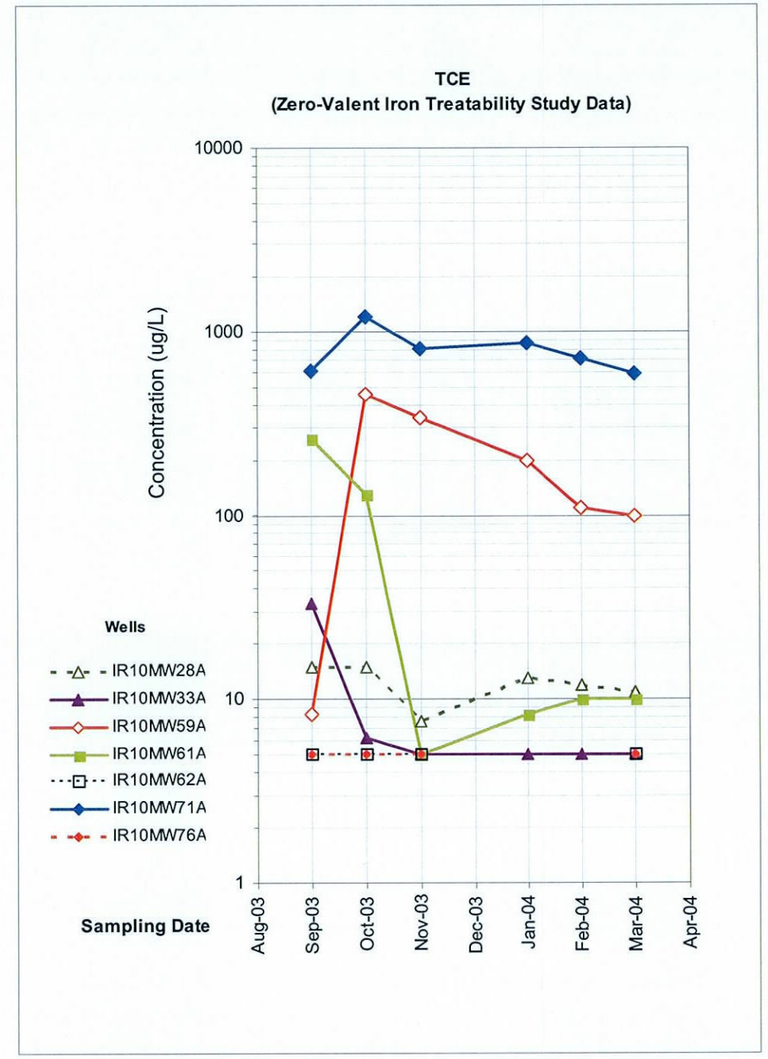


Note:
Practical quantitation limit 0.5 ug/L.



Note:
Analytical results from the IR-10 treatability study (ERRG and URS, 2004) have practitation quantitation limits ranging from 0.5 to 10 ug/L.
Quarterly sampling results have a practical quantitation limit of 0.5 ug/L.

FIGURE 4-5

Time-series Plot of TCE Concentrations in Groundwater at Selected IR-10 Wells

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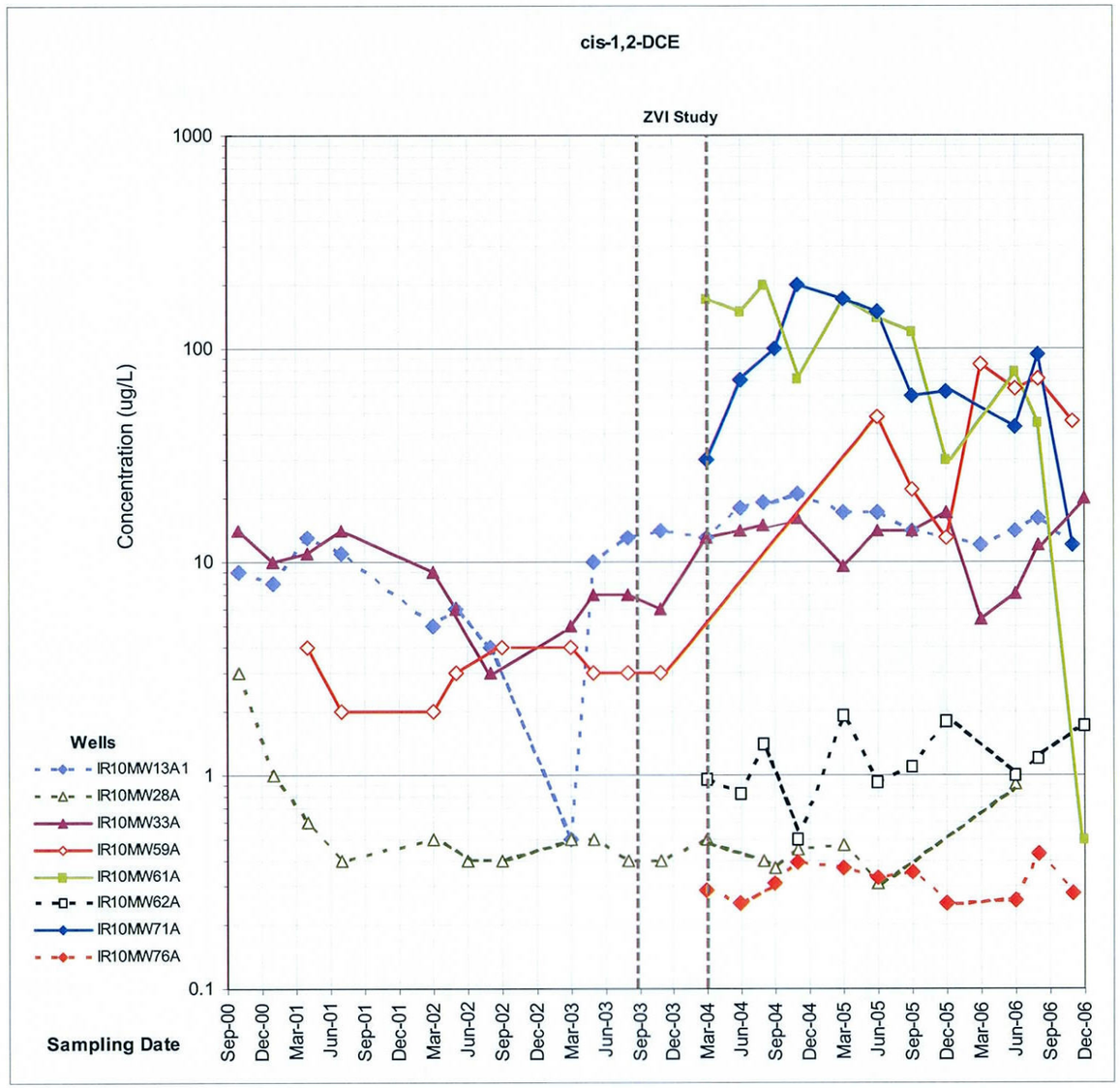

Note:
Practical quantitation limit 0.5 ug/L.

FIGURE 4-6

Time-series Plot of cis-1,2-dichloroethene Concentrations in Groundwater at Selected IR-10 Wells

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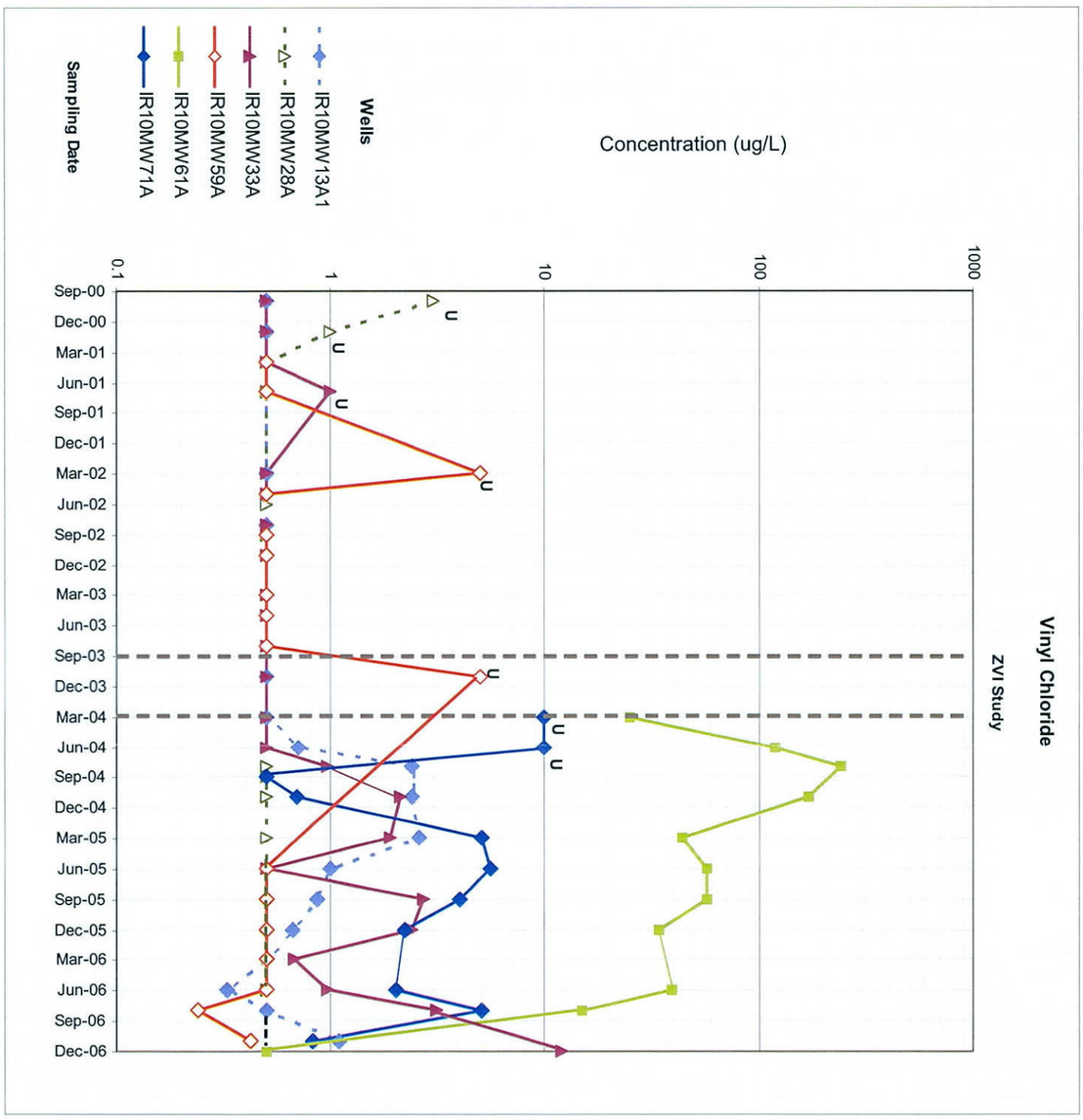

Note:
Practical quantitation limit 0.5 ug/L.
Non-detects greater than 0.5 ug/L shown with "U" qualifier.

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Time-series Plot of vinyl chloride Concentrations in Groundwater at Selected IR-10 Wells

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FIGURE

4-7

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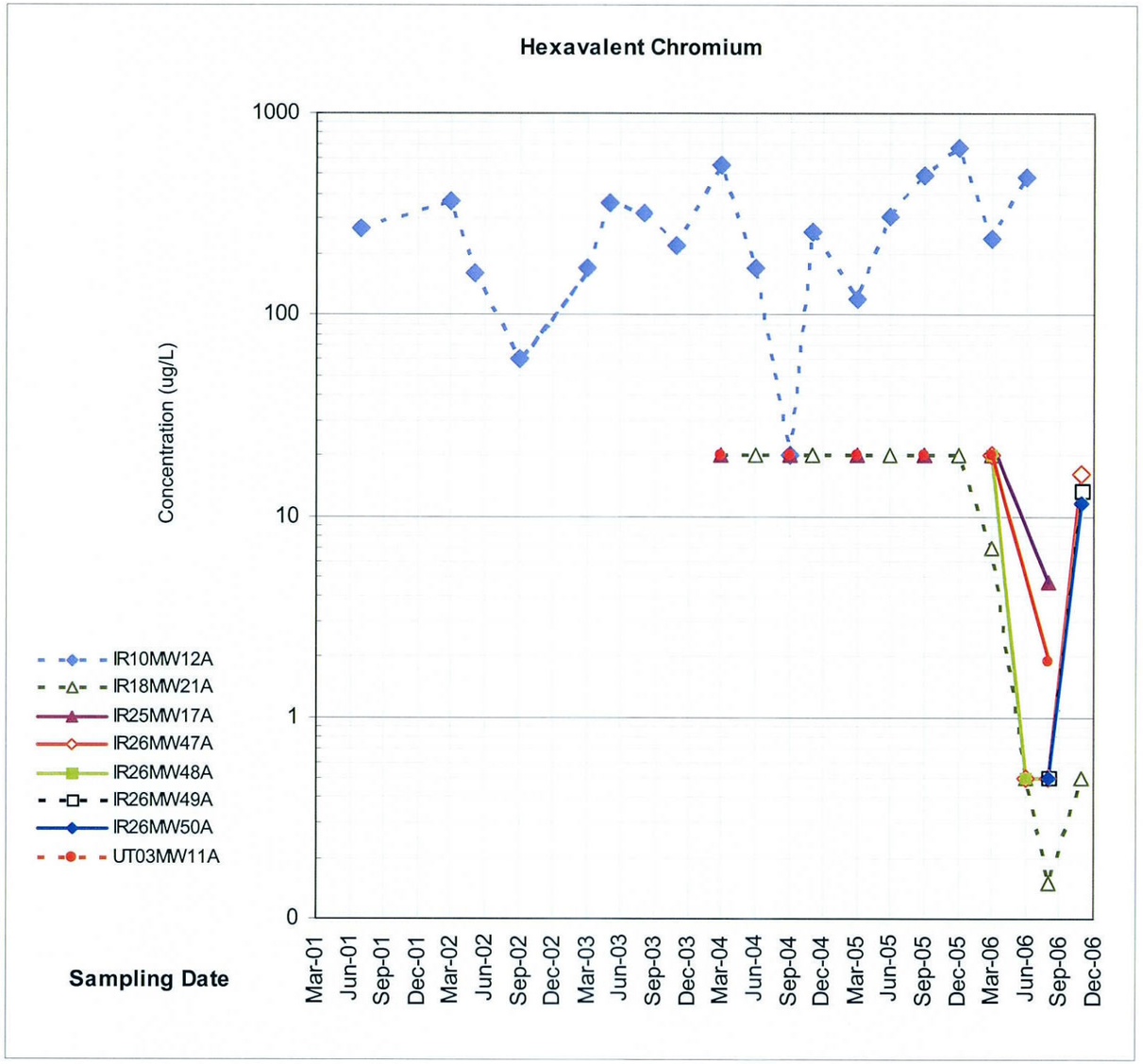

Note:
Practical quantitation limit for method 7196A is 20 ug/L (2001-6/2006);
for method 7199 is 0.5 ug/L (6/2006 forward)

FIGURE 4-8

Time-series Plot of hexavalent chromium Concentrations in Groundwater

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Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego, California

Drawn by: N. Cook 4/10/2007 Project: C5601

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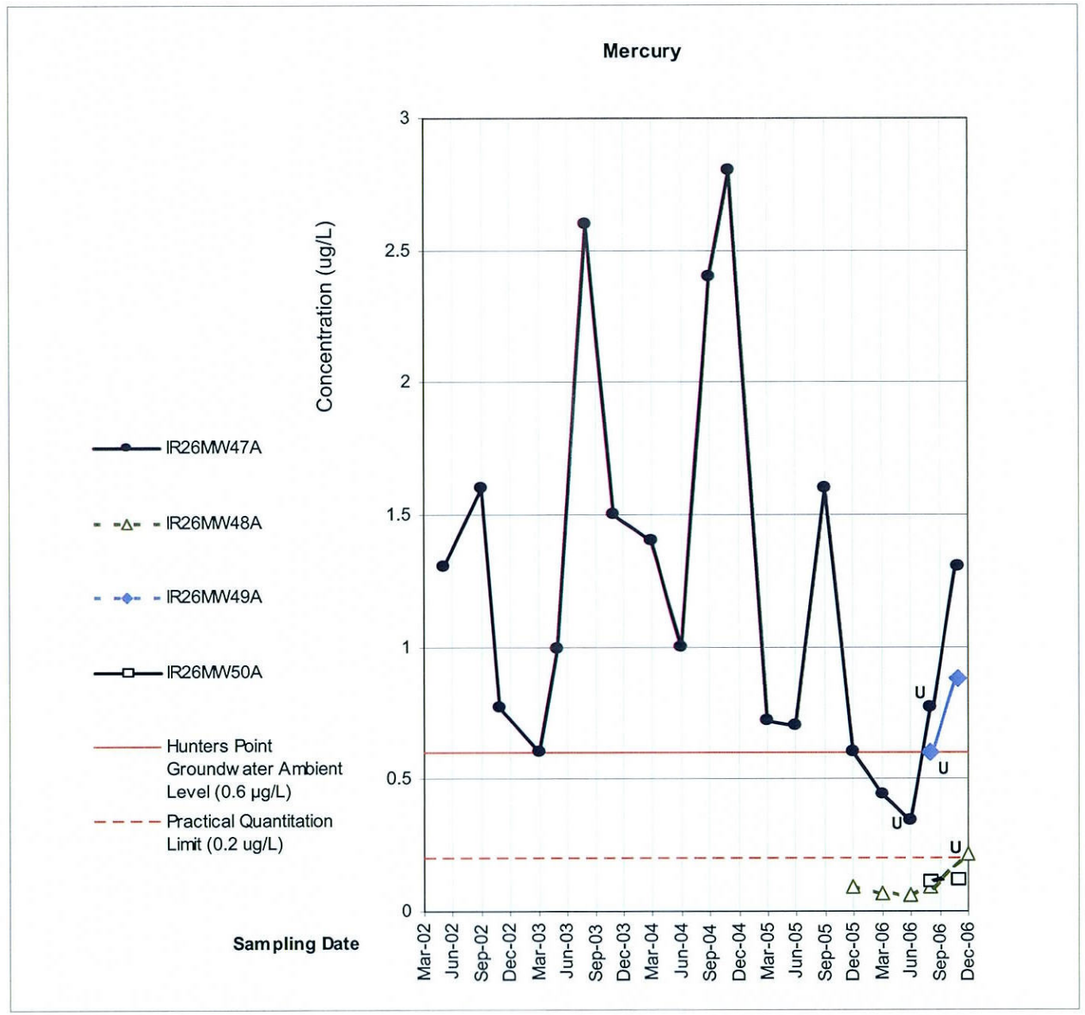

Note:
Practical quantitation limit 0.2 ug/L.
Non-detects greater than 0.2 ug/L shown with "U" qualifier.

FIGURE 4-9

Time-series Plot of mercury Concentrations in Groundwater

Parcel B Quarterly Groundwater Monitoring Report (October-December 2006) and Annual Report

April 2007 Revision 0

CE² KLEINFELDER
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NAVFAC Engineering Service Center
Hunters Point Shipyard, San Francisco, California
U.S. Navy, Southwest Division, NAVFAC, San Diego, California

Drawn by: N. Cook 4/10/2007 Project c5001

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Appendix A.
Groundwater Elevation Measurement Forms

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 1

Field Team Personnel: Vicky Sims

Water Level Indicator Model and ID# Heron 13196

Event Date: 13 Nov 2006

Page 1 of 1

Put entries for two wells at bottom of page

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
~~PA18MW08A~~			Decommissioned				FRC 19 Oct Ø6
IR07MW21A1	1155	0.0	14.43	14.43	14.43		
IR07MW23A	1206	0.0	13.75	13.75	13.75		
IR07MW24A	1159	0.0	12.09	12.09	12.09		
IR07MW25A	1202	0.0	10.65	10.65	10.65		
IR07MW26A	1148	0.0	12.20	12.20	12.20		
IR07MW27A	~~Covered by~~	Unknown	~~soil in~~	~~Laydown Area~~			~~FRC 11 Nov Ø6~~ FRC 10 Nov Ø6
IR07MW28A	1128	0.0	9.75	9.75	9.75		no lock
IR07MW93A	Covered by soil in Laydown Area						FRC 10 Nov Ø6
IR07MW94A	Covered by soil in Laydown Area						FRC 10 Nov Ø6
IR07MW95A	1131	0.0	14.40	14.40	14.40		
IR07MWS-2	1225	0.0	10.22	10.22	10.22		
~~IR07MWS-3~~			Decommissioned				FRC 19 Oct Ø6
IR07MWS-4	1151	0.0	15.09	15.09	15.09		
IR18MW100B	Covered by soil in Laydown Area						FRC 10 Nov Ø6
IR18MW101B	Covered by soil in Laydown Area						FRC 10 Nov Ø6
IR18MW200A	1137	0.0	24.29	24.29	24.29		
IR18MW21A	~~Covered by~~	Unknown	~~soil in~~	~~Laydown Area~~			~~FRC 11 Nov Ø6~~ FRC 10 Nov Ø6
IR18MW91A	1135	0.0	15.39	15.39	15.39		
IR18MW92A	1213	0.0	17.82	17.82	17.82		
IR07MW27A	1220	0.0	13.19	13.19	13.19		
IR18MW21A	1210	0.0	15.21	15.21	15.21		

Field Team Signature(s): Vicky Sims

Hunters Point Shipyard - San Francisco, California

Field Team Number: 2 Event Date: 13 Nov 2006

Field Team Personnel: MATT OWENS

Water Level Indicator Model and ID# Heron E7177 Page 1 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR07MW19A	1145	0.0	8.47	8.47	8.47		
IR07MW20A	1150	0.0	8.63	8.63	8.63		
IR10MW12A			De Commissioned				JRC 19 Oct 06
IR10MW13A1	1132	0.0	7.19	7.19	7.19		
IR10MW31A1	Access blocked by trench and debris						JRC 13 Nov 06
IR10MW33A	moved to Area 4 BOOR						No Access to well
IR10MW61A	Standing water						No Access to well
IR46MW39A	1225	0.0	8.83	8.83	8.83		
IR46MW43A	1230	0.0	8.12	8.12	8.12		
IR46MW46A	1219	0.0	9.04	9.04	9.04		
IR46MW47A	1217	0.0	8.86	8.86	8.86		
IR46MW48A	1127	0.0	7.68	7.68	7.68		
IR60MW08A			Decommissioned				JRC 19 Oct 06
IR61MW05A	1140	0.0	7.38	7.34	7.38		
IR62MW07A	Covered by compacted soil along former trench						JRC 9 Nov 06
IR62MW08A	1140	0.0	7.12	7.12	7.12		
PA24MW02A			Decommissioned				JRC 19 Oct 06
PA50MW01A	Access blocked by utility removal trench						JRC 10 Nov 06
UT02MW15A	1209	0.0	9.63	9.63	9.63		
UT03MW11A	1157	0.0	7.04	7.04	7.04		
UT03MW12A	1201	0.0	7.63	7.63	7.63		

No Access Well

Field Team Signature(s):

Hunters Point Shipyard - San Francisco, California

Field Team Number: 2

Event Date: 13 Nov 2006

Field Team Personnel: MATT Owens

Water Level Indicator Model and ID# Heron R7177

Page 2 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
Not found IR10MW32A	covered by	demolition debris				X	JRC 13 Nov 02

Field Team Signature(s):

GROUNDWATER MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 3

Field Team Personnel: Cynthia Rivlas + Anthony Jefferson

Water Level Indicator Model and ID#: Heron / R16204

Event Date: 13 Nov 2006

Page 1 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR06MW22A	1207	0.0	6.45	6.45	6.45		
IR06MW32A	1204	0.0	6.47	6.47	6.47		
IR06MW35A	1158	0.0	6.06	6.06	6.06		
IR06MW40A	1150	0.0	8.30	8.30	8.30		
IR06MW41A	1149	0.0	8.41	8.41	8.41		
IR06MW46A	1201	0.0	6.56	6.56	6.56		
IR06MW47B	1152	0.0	7.67	7.67	7.67		
IR06MW49F	1205	0.0	9.90	9.90	9.90		
IR06MW52F	1200	0.0	6.16	6.16	6.16		
IR06MW54F	1259	0.0	24.95	24.95	24.95		
IR06MW55F	1252	0.0	23.36	23.36	23.36		
IR06MW56F	1250	0.0	21.35	21.35	21.35		
IR06MW59A1	1155	0.0	6.19	6.19	6.19		
• IR10MW14A	Moved to		Area	4 Book			JRC 10 Nov 02
• IR10MW28A	Moved to		Area	4 Book (8.123)			JRC 10 Nov 02
IR10MW29A1	1235	0.0	6.26	6.26	6.26		
• IR10MW59A	Moved to		Area	4 Book (8.123)			JRC 10 Nov 02
IR46MW38A	1239	0.0	8.40	8.40	8.40		
IR10MW79A	1230	0.0	7.26	7.26	7.26		
IR10MW80A	1227	0.0	6.81	6.81	6.81		
IR06MW57F	1254	0.0	16.30	16.30	16.30		

Nearby alug image

Field Team Signature(s): [illegible]

KLEINFELDER

ADDITIONAL FIELD NOTES

Hunters Point Shipyard - San Francisco, California

Page 2 of 2

13 Nov 2006

Personnel: C. Pulas

Date: 11/13/06

Well ID:

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

GENERAL COMMENTS:

Well #	Time	PPM	1st	2nd	3rd	TD	Comment
IR06MW42A	1141	0.0	10.82	10.82	10.82		
IR06MW34A	1147	0.0	9.27	9.27	9.27		

Reviewed by:

Date:

Hunters Point Shipyard - San Francisco, California

Field Team Number: 4

Field Team Personnel: John Copland

Water Level Indicator Model and ID# Heron Dipper T #13386

Event Date: 13 Nov 2006

Page 1 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc.
IR06MW34A	moved to Area 3 book						JRC 12Nov06
IR06MW42A	moved to Area 3 book						JRC 12Nov06
IR06MW44A	Inaccessible due to utility trench						JRC 13 Nov 06
~~IR06MW50F~~			Decommissioned				JRC 19Oct06
IR25EW01A P	1316	0	6.15	6.15	6.15		
IR25MW11A P	1338	1	7.60 free product				B.134 · free product LNAPL
IR25MW16A P	1344	0	9.17	9.17	9.17		B.134
~~IR25MW18A~~			Decommissioned				JRC 19Oct06
~~IR25MW20A~~	Decommissioned						JRC 19Oct06
IR25MW37A	Standing Water, Can't open well						—
IR25MW37B	Standing Water, can't open well						—
IR25MW39A P	1347	0.0	8.20	8.20	8.20		B.134
IR25MW39B P	1341	0.0	9.18	9.18	9.18		B.134
IR25MW42B	Inaccessible due to utility removal trench						JRC 13Nov06
IR25MW53A P	1331	0.0	7.90	7.90	7.90		B.134
IR25MW54A P	1329	0	7.34	7.34	7.34		B.134
IR25MW55A P	1317	0.0	7.10	7.10	7.10		
IR25MW60A1	Inaccessible due to utility removal trench						JRC 13Nov06
~~IR25MW60A2~~			Decommissioned				JRC 19Oct06
IR25MW900B P	1322	0.0	8.71	8.71	8.71		B.134
IR25MW901B P	1324	0.7	8.77	8.71	8.71		B.134

Field Team Signature(s): John R. Copland

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 4 Event Date: 13 Nov 2006

Field Team Personnel: John Copland

Water Level Indicator Model and ID# Heron Dipper-T #13386 Page 2 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR25MW902B	P12 1326	60.1	8.90	8.90	8.90		
gate IR10MW14A	1258	0	7.20	7.20	7.20		
IR10MW28A	P12 1305	0	10.81	10.81	10.81		B.123
IR10MW59A	P12 1305	0	10.80	10.80	10.80		B.123
IR10MW33A	1407	0	6.90	6.90	6.90		
Immiscible Phase Testing w/ I-Interface Probe						#10795	Heron H.01L
			DTW	LNAPL Product	DNAPL Product	TD	
IR25MW54A	1128	10.9	9.39	~~7.39~~	~~7.39~~	16.51	No LNAPL or DNAPL
IR25MW902B	1114	62.4	8.91	~~8.91~~	~~8.91~~	29.36	No LNAPL or DNAPL

Field Team Signature(s): John R. Copland

Field Team Number: 5 Event Date: 13 Nov 2006

Field Team Personnel: Harry Leine

Water Level Indicator Model and ID#: # 13196 / Heron RAE PGM1660-110-012373 Page 1 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
~~IR06MW45A~~			Decommissioned				TRC 19 Oct 06
IR06MW57F	— moved to		Area 3 book				TRC 12 Nov 06
~~IR06MW58F~~			Decommissioned				TRC 19 Oct 06
IR20MW17A P	1323	0.00	7.12	7.12	7.12		
IR24MW06A P	1358	0.00	2.28	2.28	2.28		
IR25MW17A	1313	0.00	6.95	6.95	6.95		
IR25MW38A	— never		installed				TRC 13 Nov 06
IR25MW38B	1308	0.00	8.21	8.21	8.21		
IR25MW50A P	1315	0.00	5.91	5.91	5.91		
IR25MW61A1 P	1325	0.00	6.22	6.22	6.22		
IR25MW61A2 P	1327	0.00	6.44	6.44	6.44		
IR26MW40A P	1401	0.00	8.39	8.39	8.39		
IR26MW41A P	Covered by		standing water, mud & Gravel				
IR26MW43A	1403	0.00	6.43	6.43	6.43		
* IR26MW44A P	1447	0.00	7.11	7.11	7.11		
* IR26MW46A P	1437	0.00	6.68	6.68	6.68		
IR26MW47A P	1409	0.00	7.32	7.32	7.32		
IR26MW48A P	1413	0.00	Covered by	standing	water		
IR46MW37A P	1310	0.00	7.23	7.23	7.23		
IR46MW41A P	1400	0.00	6.74	6.74	6.74		
IR58MW24F P	1420	0.00	13.21	13.21	13.21		

Field Team Signature(s): Harry

Field Team Number: 5 Event Date: 13 Nov 2006

Field Team Personnel: Harry

Water Level Indicator Model and ID# #13196 Heron RAS MGM 7600 HB-012373

Page 2 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR64MW05A		Cover by standing water					
PA50MW02A		covered by standing water + gravel					
IR26MW49A	1407	0.00	7.76	7.76	7.76		
IR26MW50A	1405	0.00	6.57	6.57	6.57		

Field Team Signature(s): Hrjeny

Event Date: 13 Nov 2006

Field Team Personnel: Nadia Lara Johnson

Water Level Indicator Model and ID# HERON R6204

Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR28MW188F?							buried under soil pile
IR28MW189F?	1355	0.00	5.51	5.51	5.51		
IR28MW190F	112	0.00	7.71	7.76	7.72		
IR28MW286A	128	0.00	7.81	7.8	7.81		no bolt, missing tubing
IR28MW287A	131	0.00	6.87	6.88	6.88		missing bolt
IR28MW299B	120	0.00	7.17	7.13	7.12		
IR28MW308A	212	0.00	5.63	5.63	5.63		No Bolts
IR28MW313F	1402	0.00	9.86	9.86	9.87		
IR28MW397A	138	0.00	6.75	6.76	6.75		
IR28MW397B	136	0.00	7.02	7.03	7.03		
IR28MW398A	~~1315~~ 1330	0.00	7.33	7.33	7.32		
IR28MW398B	216	0.00	5.60	5.60	5.60		
IR28MW910A	1344	0.00	6.46	6.46	6.46		
IR28MW914A	1359	0.00	7.00	7.00	7.00		no tubing
IR58MW25F?	9.24	0.00	7.22	7.22	7.22		
IR58MW26A	1356	0.00	5.67	5.67	~~5.67~~		missing 2 bolts
IR58MW31A	1249	0.00	~~6.41~~ 6.38	6.4	6.38		
IR58MW31F	13	0.00	6.62	6.62	6.62		
IR58MW32B	200	0.00	6.44	6.44	6.44		missing bolts
IR58MW33B	1244	0.00	6.50	6.51	6.52		
~~IR29MW~~							

Field Team Signature(s):

Team Number: 7

Event Date: 13 Nov 2006

Field Team Personnel: April Powell.

Water Level Indicator Model and ID# Heron

Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc.
~~IR02MW175A~~	NOT VISIBLE		~~DECOMMISSIONED~~				JRC 19 Oct 06
IR02MW179A	1428	0.8	9.47	9.47	9.47		~~Jim has it on his pad~~
IR02MW183A	-						Covered by Soil.
~~IR02MW300A~~	NOT	VISIBLE	~~DECOMMISSIONED~~				JRC 19 Oct 06
IR08MW38A	1430	0.1	6.3	6.3	6.3		
IR08MW40A	1432	0.0	5.17	5.17	5.17		DIFFICULTY OPENING
IR08MW44A	1432	0.0	5.24	5.24	5.24		
IR08MWW-6	236	0.0	4.80	4.80	4.80		
IR14MW12A	1503	0.0	8.44	8.44	8.45		
IR15MW07A	1515	0.0	11.60	11.60	11.60		
IR17MW11A	215	0.0	6.80	6.80	6.80		
IR17MW12A	203	0.0	6.95	6.95	6.95		
IR17MW13A	203	0.0	9.77	9.77	9.77		
IR50MW15A	232	0.0	5.90	5.90	5.90		
IR73MW04A	1438	0.0	11.75	11.75	11.75		~~Jim has on Pad~~
PA16MW17A	217	0.0	7.30	7.30	7.30		
PA16MW18A	220	0.0	7.27	7.27	7.27		
PA50MW05A	230	0.0	5.24	5.24	5.24		
PA50MW08A	-		6.23	6.23	6.23		Underwater
PA50MW06A	-	0.0	Someone	else	Sampled.		on my map But not on measure log.

Found but could not [illegible]

Field Team Signature(s): _____

Hunters Point Shipyard - San Francisco, California

Field Team Number: 8 Event Date: 18 Oct 06

Field Team Personnel: JOHN WILLIAMS

Water Level Indicator Model and ID# HERON 13078 Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR28MW122A	1138	0.0	6.25	6.25	6.25		
IR28MW123A	1120	0.0	6.61	6.61	6.61		
IR28MW125A	1147	0.0	6.30	6.30	6.30		
IR28MW126A	1152	0.0	6.09	6.09	6.09		
IR28MW127A	1202	0.0	5.85	5.85	5.85		
IR28MW136A	1227	0.0	6.06	6.06	6.06		
IR28MW140F	1143	0.0	6.05	6.05	6.05		
IR28MW255F	1200	0.0	6.29	6.29	6.29		
IR28MW268A	1155	0.0	6.09	6.09	6.09		
IR28MW271A	1115	0.0	5.89	5.89	5.89		LOCK CORRODED
IR28MW314B	1225	0.0	7.17	7.17	7.17		
~~IR28MW324A~~	Decommissioned						JRC 19 Oct 06
~~IR28MW326A~~	Decommissioned						JRC 19 Oct 06
~~IR28MW333A~~	Decommissioned						JRC 19 Oct 06
IR28MW334A	1223	0.0	7.28	7.28	7.28		
IR28MW338A	1218	0.0	7.12	7.12	7.12		
IR28MW339A	1129	0.0	6.82	6.82	6.83		
IR28MW340A	1133	0.0	7.07	7.07	7.07		
IR28MW399B	1124	0.0	6.38	6.38	6.38		
IR28MW401B	1244	0.0	6.83	6.83	6.83		
PA28MW51A	1234	0.0	6.62	6.62	6.62		

Field Team Signature(s):

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 9

Field Team Personnel: Carlos Varela

Water Level Indicator Model and ID# Heron 13356

Event Date: 13 Nov 2006

Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR28MW150A	11:40	0	6.8	6.8	6.8		
IR28MW151A	11:22	~~0.4~~ 1.2	6.70	6.70	6.71		PID = 1.2 @ 11:22
IR28MW155A	12:09	~~0.4~~ 0.4	6.76	6.76	6.76		PID = 0.4
IR28MW169A	12:06	0	7.94	7.94	7.94		
IR28MW170A	11:27	2.7	6.90	6.95	7.00		PID = 2.7
IR28MW171A	11:55	0	5.34	5.35	5.34		
IR28MW171B	11:57	0	5.71	5.71	5.70		
IR28MW173B	12:15	0	6.16	6.16	6.16		
IR28MW221A	12:03	0	7.79	7.79	7.79		hose loose mid well
IR28MW221B	11:59	0	7.73	7.73	7.73		
~~IR28MW290A~~			~~Decommissioned~~				~~JRC 190ct06~~
IR28MW297A	12:27	0	6.63	6.63	6.63		
IR28MW309B	12:03	0	7.013	7.13	7.12		hose loose mid well
IR28MW353A	11:47	0	6.99	6.99	6.99		
IR28MW353B	11:45	0	5.60	5.60	5.65		
IR28MW354B	12:12	0	6.57	6.57	6.57		lock missing
IR28MW394A	12:20	0	7.01	7.01	7.01		
IR28MW394B	12:18	0	7.23	7.23	7.23		
IR28MW400B	11:31	0	7.35	7.35	7.35		
PA50MW03A	11:51	0	5.94	5.94	5.94		

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 10

Event Date: 13 Nov 2006

Field Team Personnel: OMAR ICHAN

Water Level Indicator Model and ID# HERON DIPPE-T 100FT R7175

Page 1 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR28MW172F	1255	1.3	5.96	5.96	5.96		PID TAKEN DURING OPENING WELLS
IR28MW200A	1135	0.9	6.80	6.80	6.80		*PLEASE BLOCK OFF PARKING SLOTS IN ADVANCE
IR28MW201F	1130	0.5	6.80	6.80	6.80		" THANK YOU
IR28MW216F	1250	1.3	5.78	5.78	5.78		
IR28MW217A	1253	1.2	6.75	6.75	6.75		
IR28MW272A	1125	0.4	6.45	6.45	6.45		*
IR28MW272F	1120	0.4	6.52	6.52	6.52		*
IR28MW298A	1115	0.3	7.10	7.10	7.10		
IR28MW310F	1225	0.9	5.62	5.62	5.62		
IR28MW311A	1220	1.4	5.44	5.44	5.44		
IR28MW311A-R1	1225	1.0	5.24	5.24	5.24		
IR28MW315A	1230	1.0	6.56	6.56	6.56		
IR28MW315B	1230	0.9	6.61	6.61	6.61		
IR28MW315F	1230	0.9	6.51	6.51	6.51		
IR28MW342F	1215	0.8	6.75	6.75	6.75		
IR28MW350F	1242	1.2	7.63	7.63	7.63		CAP IS BROKEN, CRUSHED
IR28MW351F	1210	1.6	6.93	6.93	6.93		
IR28MW395F	1252	1.2	6.44	6.44	6.44		OD
IR28MW396B	1310	1.4	6.96	6.96	6.96		
IR28MW932F	1215	1.1	6.78	6.78	6.78		
IR28MW934F5	Not Accessible - multi-port completion						JRC 10 Oct 06

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENTS
Hunters Point Shipyard, San Francisco, California

Field Team Number: 10
Event Date: 13 Nov 2006
Field Team Personnel: OMAR KHAN
Water Level Indicator Model and ID# R7175 HERON DIPPER-T 100FT
Page 2 of 2

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR28MW933F4	Not accessible - multiport completion						JRC 19 Oct 06
IR28MW933F5	Not accessible - multiport completion						JRC 19 Oct 06
IR28MW934F4	Not accessible - multiport completion						JRC 19 Oct 06
IR28MW352A	1220	1.1	6.19	6.19	6.19		
IR28MW396A	1340	1.4	7.20	7.20	7.20		

Field Team Signature(s): Omar Khan

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 11

Field Team Personnel: Bruce Ruckter

Event Date: 13 Nov 2006

Water Level Indicator Model and ID# Enviro Tech KA-1

Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR29MW48A	1102		7.15	7.15	7.15		missing bolts
~~IR29MW57A~~	Decommissioned						FRC 19 Oct 06
IR29MW58F	11:07		6.85	6.85	6.85		
IR29MW84A	10:58		6.96	6.96	6.96		
IR29MW85F	11:11		5.74	5.74	5.74		
IR30MW01F	11.18		2.11	2.11	2.11		
IR30MW03F	Covered		by soil pile				FRC 13 Nov 06
IR30MW04F	10:48		5.56	5.56	5.56		
IR50MW13F	11:28		6.03	6.03	6.03		may be labeled as 13A
PA50MW04A	11:32		5.70	5.70	5.70		

Field Team Signature(s): Bruce M. Ruckter

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 12

Event Date: 13 Nov 2006

Field Team Personnel: William M. Uchiyama Jr

Water Level Indicator Model and ID# R4465 Heron

Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR22MW07A	1335	0.0	6.89	6.89	6.89		Bolt dont bolt
IR22MW08A	1338	0.0	7.70	7.70	7.70		
IR22MW15A	1344	0.0	9.98	9.98	9.98		
IR22MW16A	1317	0.0	6.80	6.80	6.80		[illegible]
IR22MW20A	1324	0.0	6.79	6.79	6.79		Bolts Dont bolt on lid
IR35MW01A	1300	0.0	7.96	7.96	7.96		
IR55MW01A	12:38	0.0	05.04	05.04	05.09		lid dont bolt on well (protective well box)
IR55MW02A	12:31	0.0	07.17	07.17	07.17		Christy box was flooded pump it out
IR55MW04A	12:44	0.0	04.05	04.05	04.05		
IR70MW04A	12:02	0.0	09.70	9.70	09.70		
IR70MW11A	12:09	0.0	08.89	08.89	08.89		
IR70MW12A	1231 ~~1213~~	0.0	8.36 ~~10.79~~	8.36 ~~10.79~~	8.36 ~~10.79~~		~~Well was locked [illegible]~~ Cap fragen lid wont bolt
PA32MW04A	1253	0.0	5.97	5.97	5.97		Christy box was flooded pump it out road near locking cap No locks
PA50MW07A	1310	0.0	8.19	8.19	8.19		lid dont bolt on box

Field Team Signature(s): William M. Uchiyama Jr

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 13

Field Team Personnel: NICOLA COOK & STEPHEN QUAYLE

Water Level Indicator Model and ID# HERON 13378 R7164

Event Date: 13 NOV 2006

Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
17 IR33MW120B	1454	0.9	7.31	7.31	7.31		Water level R4465 BROKEN LIP
11 IR33MW61A	1315	0.9	11.64	11.64	11.64		PID OCCASIONALLY
16 IR33MW62A	1311	0.8	7.81	7.81	7.81		SHOWING "1 AMP" ALERT
3 IR33MW63A	1237	0.0	7.01	7.01	7.01		THROUGHOUT
14 IR33MW64A	1317	0.8	8.54	8.54	8.54		
13 IR33MW65A	1321	0.9	8.02	8.02	8.02		
12 IR33MW66A	1329	0.8	8.54	8.54	8.54		
8 IR34MW01A	1301	0.7	8.04	8.04	8.04		
4 IR34MW02A	1249	0.7	7.74	7.74	7.74		
9 IR34MW36A	1306	0.4	8.09	8.09	8.09		
10 IR34MW36B	1305	0.4	8.94	8.94	8.94		
7 IR34MW37A	1252	0.2	8.01	8.01	8.01		
6 IR34MW37B	1253	0.2	8.09	8.09	8.09		
1 IR71MW03A	1241	0.0	8.09	8.09	8.09		
5 IR71MW04A	1250	0.1	7.36	7.36	7.36		
2 IR71MW12B	1239	0.0	5.80	5.80	5.80		
19 PA33MW36A	1458	0.9	8.02	8.02	8.02		
18 PA33MW37A	1456	0.9	7.28	7.28	7.28		Water level R4465 BROKEN LIP
15 PA50MW11A	1334	0.1	7.10	7.10	7.10		

Field Team Signature(s): Nicola Cook Stephen Quayle

PID MINIRAE 2000 R7226 rental

Hunters Point Shipyard - San Francisco, California

Field Team Number: 14 Event Date: 13 Nov 2006

Field Team Personnel: Stephen B. Quayle ; Nicki Cook

Water Level Indicator Model and ID# Heron ~~R7137~~ 7173 Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR09MW31A	1440	0.1	~~8.01~~ 8.89	~~8.01~~ 8.89	~~8.01~~ 8.89		
IR09MW35A	1432	0.1	8.01	8.01	8.01		
IR09MW36A	1411	0.0	9.30	9.30	9.30		
IR09MW37A	1400	0.0	10.38	10.38	10.38		
IR09MW38A	1444	0.1	9.64	9.64	9.64		
IR09MW39A	1446	0.1	8.59	8.59	8.59		
IR09MW44A	1416	0.0	8.06	8.06	8.06		
IR09MW45F	1340	0.1	8.28	8.28	8.28		
IR09MW51F	1342	0.1	8.04	8.04	8.04		Tenant Truck running near by during PID reading
IR09MW52A	1355	~~4.0~~ 0.4	10.08	10.08	10.03		
IR09MW54B	1442	0.1	9.62	9.62	9.62		
IR09MW55B	1434	0.1	8.78	8.78	8.78		
IR09MW62A	1455	0.1	10.10	10.10	10.10		
IR09MW63A	1348	0.1	7.64	7.64	7.64		
IR33MW116A	1438	0.2	8.66	8.66	8.66		
IR33MW121B	1230	0.0	4.85	4.85	4.85		
IR36MW16A	1425	0.0	~~7.02~~ 7.20	7.20	7.20		
IR44MW08A	1229	0.0	5.93	5.93	5.93		broken lid
PA50MW06A	1225	0.0	6.23	6.23	6.23		
PA50MW12A	1412	0.0	9.68	9.68	9.68		

Field Team Signature(s): Stephen B. Quayle Nicki L. Cook

Hunters Point Shipyard - San Francisco, California

Field Team Number: 15

Field Team Personnel: Rolando R. Perez

Water Level Indicator Model and ID# Dipper-T / R4470

Event Date: 13 Nov 2006

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Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR02MW146A							free product
IR02MW173A							free product
✓ IR02MW97A	11:37	0.1	8.96	8.96	8.96		good
✓ IR02P97AA	11:42	0.1	6.77	6.77	6.77		good
~~IR02P97AB~~			~~Decommissioned~~				JRC 19 Oct 06
IR03MW218A1							free product
✓IR03MW218A2	11:10	0.4	11.97	11.97	11.97		good
✓IR03MW218A3	11:05	0.3	11.81	11.81	11.81		good
✓IR03MW224A	11:15	0.5	11.01	11.01	11.01		good
IR03MW225A							free product
IR03MW226A							free product
✓IR03MW228B	10:59	0.1	8.00	8.00	8.00		good
✓IR03MW342A	10:51	0.1	8.50	8.50	8.50		good
IR03MW369A							free product
IR03MW370A							free product
IR03MW371A							free product
✓IR03MW372A	11:21	0.7	8.19	8.20	8.20		good
✓IR03MW373B	11:26	0.4	3.85	3.85	3.85		good
IR03MWO-1							free product
IR03MWO-2							free product
IR03MWO-3							free product

Field Team Signature(s): Rolando Perez

KLEINFELDER

ADDITIONAL FIELD NOTES

Hunters Point Shipyard - San Francisco, California

Personnel: Roland R. Perez
Date: 13 NOV 06
Well ID:

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

GENERAL COMMENTS:

PID NOT zeroing out to 0.0 ppm

Reviewed by:
Date:

3.93 12.21

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 16

Event Date: 13 Nov 2006

Field Team Personnel: Mehgan Hopkins

Water Level Indicator Model and ID#: Envirotech #2

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3.95 12.31

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR02MW196A	11:48	0.0	7.61	7.61	7.61		
IR02MW206A1	11:34	0.0	6.80	6.80	6.80		
IR02MW206A2	Damaged						IRC 12 Nov 06
IR02MW209A	11:30	0.0	5.81	5.81	5.81		
IR02MW210B	11:40	0.1	9.23	9.23	9.23		
IR02MW299A	11:43	0.1	10.61	10.61	10.61		
IR02MWB-5	11:27	0.3	4.68	4.68	4.68		
IR11MW25A	Damaged						IRC 12 Nov 06
IR11MW26A	12:00	0.1	8.87	8.87	8.87		
IR11MW27A	12:07	0.2	10.46	10.46	10.46		
IR14MW09A	12:46	0.3	9.93	9.93	9.93		
IR14MW10A	12:43	0.3	8.92	8.92	8.92		
IR15MW06A	12:41	0.3	11.05	11.05	11.05		
IR15MW10F	11:57	0.0	9.76	9.76	9.76		
IR38MW02A	12:21	0.4	3.93	3.93	3.93		water entering well from puddle
IR38MW03A	12:31	0.5	3.95	3.95	3.95		
PA39MW01A	12:56	0.3	4.54	4.54	4.54		
PA39MW02A	12:17	0.1	6.19	6.19	6.19		
IR13MW12A	12:26	0.2	4.23	4.23	4.23		

Field Team Signature(s):

GROUNDWATER ELEVATION MEASUREMENTS

Hunters Point Shipyard, San Francisco, California

Field Team Number: 17 Event Date: 13 Nov 2006

Field Team Personnel: James Anderson / Burnett Fort'e

Water Level Indicator Model and ID# Heron 100 ft / #134430 Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR09MW61A	12:50	0.0	8.99	8.99	8.99		
IR13MWB5A-W	11:17	0.0	6.78	6.78	6.78		
IR36MW122A	12:20	0.0	8.69	8.69	8.69		
IR36MW123B	12:22	0.0	4.79	4.79	4.79		LOCK NEEDS REPLACEMENT
IR36MW128A	12:09	0.0	9.06	9.06	9.06		
IR36MW129B	12:12	0.0	5.30	5.30	5.30		
IR36MW17A	12:28	0.0	9.27	9.27	9.27		
IR37MW01A	12:32	0.0	9.00	9.00	9.00		KEY BROKE IN LOCK
IR37MW26B	12:37	0.0	7.09	7.09	7.09		KEY AND LOCK
IR38MW01A	11:44	0.0	4.09	4.09	4.09		
IR39MW21A	12:05	0.0	8.40	8.40	8.40		
IR39MW22A	11:19	0.0	7.01	7.03	7.03		
IR39MW23A	11:15	0.0	6.55	6.55	6.55		
IR39MW24A	11:28	0.0	5.87	5.87	5.87		
IR39MW36A	11:36	0.0	5.70	5.70	5.70		
IR67MW04A	12:04	0.0	7.05	7.05	7.05		LOCK NEEDS REPLACEMENT
PA36MW02A	12:46	0.0	9.66	9.66	9.66		
PA36MW04A	12:15	0.0	8.35	8.35	8.35		LOCK NEEDS REPLACEMENT
~~PA36MW05A~~			~~Decommissioned~~				TRC 19 Oct 06
PA50MW09A	11:39	0.0	6.10	6.10	6.10		

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 18 **Event Date:** 13 Nov 2006

Field Team Personnel: Wade Blackard

Water Level Indicator Model and ID# 13959 Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR02MW89A	1223	0.9	10.25	10.25	10.25		
IR05MW73A	1227	0.8	6.88	6.88	6.88		well head flush w/ surrounds / lock cond
IR05MW85A	1230	1.0	10.68	10.68	10.68		
IR12MW16A	1207	0.9	9.73	9.74	9.74		
IR36MW09A	1310	0.0	5.90	5.90	5.90		
IR36MW11A	1300	0.3	9.23	9.22	9.22		
IR36MW120B	1245	0.7	4.36	4.36	4.36		
IR36MW121A	1246	0.7	7.99	7.99	7.99		lock broken
IR36MW125A	1307	1.0	6.94	6.94	6.94		
IR36MW126A	1309	0.0	1.14	1.14	1.14		
IR36MW127A	1313	0.2	7.32	7.32	7.32		
IR36MW12A	1257	0.4	7.90	7.90	7.90		
IR36MW135A	1219	0.8	8.49	8.49	8.49		
IR36MW137A	1302	0.5	DRY	DRY	DRY		
IR36MW14A	1314	0.0	6.59	6.59	6.59		
IR36MW15A	1247	0.6	8.19	8.19	8.19		
PA36MW01A	1241	0.7	9.30	9.30	9.30		
PA36MW07A	1251	0.5	7.45	7.45	7.45		
PA36MW08A	1255	0.6	8.37	8.37	8.37		
PA50MW10A	1237	0.4	10.68	10.68	10.68		

Field Team Signature(s): Wade A Blackard

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 19

Field Team Personnel: RYAN GADGET

Water Level Indicator Model and ID# ENVIROTECH VAS

Event Date: 13 Nov 2006

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Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR01MW09B	13:05	0.0	7.10	7.10	7.10		
* ~~IR01MW36B~~ 07A			Decommissioned				JRC 19 Oct 06
IR01MW~~12~~ 10A	12:56	0.0	9.22	9.22	9.22		
IR04MW13A	12:19	0.0	12.09	12.09	12.09		
IR04MW36A	13:00	0.0	9.69	9.69	9.69		
IR04MW37A	~~12:40~~ 12:45	0.0	9.70	9.70	9.70		
IR04MW38A	12:40	0.0	10.21	10.21	10.21		
IR04MW40A	13:10	0.0	6.99	6.99	6.99		
IR05MW76A	11:45	0.0	5.21	5.21	5.21		
IR05MW82A	11:50	0.0	12.01	12.01	12.01		
IR12MW12A	12:05	0.0	6.50	6.50	6.50		
IR12MW13A	12:25	0.0	12.45	12.45	12.45		
IR12MW14A	14:15	0.0	8.75	8.75	8.75		
IR12MW15A							BOUNDARY ROW ~~SEE~~ DEC 01 (s/a) ~~BEN~~
? IR12MW17A	13:22	0.0	14.10	14.10	14.10		WELL NOT LABELED. NEED ~~SE~~ PVC. NO VAULT
IR12MW20A	11:55	0.0	12.15	12.15	12.15		
IR12MW21A							FREE PRODUCT
IR13MW12A	— moved to		Area	16 book			JRC 12 Nov 06
IR72MW32A	12:49	0.0	10.15	10.15	10.15		
IR74MW01A	12:10	0.0	13.29	13.29	13.29		
IR72MW33A	12:55	0.0	9.43	9.43	9.43		

EXTENSION NOT SURVEYED JRC 14 Nov 2006

Field Team Signature(s):

* Well IR01MW07A (10/19/06) JRC

KLEINFELDER

ADDITIONAL FIELD NOTES

Hunters Point Shipyard - San Francisco, California

Personnel: RYAN PADGETT
Date: 11/13/06
Well ID:

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

WELL TR12MW21A WAS BENEATH A ROLL OFF BIN & COULDN'T BE ACCESSED
WELL TR12MW21A HAS FREE PRODUCT (DISCOVERED 2/22/06)
WELL TR12MW17A WAS NOT LABELED. PVC APPEARS NEW & NO ~~[illegible]~~ (LOCKING) STANDPIPE OR WELL BOX

GENERAL COMMENTS:

Reviewed by: Vicky Bruns
Date: 11/13/06

GROUNDWATER ELEVATION MEASUREMENTS

Hunters Point Shipyard - San Francisco, California

Field Team Number: 20

Field Team Personnel: Alvaro Dominguez

Water Level Indicator Model and ID# R7183 HERON

Event Date: 13 Nov 2006

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Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR02MW101A1	1142	Ø	11.49	11.49	11.49		
IR02MW101A2	11.40	Ø	11.59	11.59	11.59		
IR02MW114A1	Not	able	to open				Not possible to open
IR02MW114A2	Not	found					Not found
IR02MW114A3	1107	Ø	9.12	9.12	9.12		
IR02MW126A	1255	Ø	9.49	9.49	9.49		
~~IR02MW127B~~			~~Decommissioned~~				JRC 19 Oct Ø6
IR02MW147A	12	Ø	6.08	6.08	6.08		
IR02MW149A	1156	Ø	5.30	5.30	5.30		
IR02MW298A	1103	Ø	6.75	6.75	6.75		
~~IR02MW372A~~			~~Decommissioned~~				JRC 19 Oct Ø6
IR02MW373A	1103	Ø	8.94	8.94	8.94		
IR02MW93A	1124	Ø	7.75	7.75	7.75		
IR02MWB-1	1204	Ø	5.33	5.33	5.33		
IR02MWB-2	1151	Ø	9.20	9.20	9.20		
~~IR02MWB-3~~							JRC 19 Oct Ø6
~~IR02MWC5-W~~							JRC 19 Oct Ø6
IR39MW33A	1130	Ø	4.65	4.65	4.65		

Field Team Signature(s): Alvaro Dominguez

Hunters Point Shipyard - San Francisco, California

Field Team Number: 21 | Event Date: 13 Nov 2006

Field Team Personnel: Jeff Gravesen

Water Level Indicator Model and ID# Heron | Page 1 of 1

Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR01MW05A	1156	0.0	17.63	17.63	17.63		
IR01MW~~07A~~ 366B	1132	0.0	12.89	12.89	12.89		
IR01MW~~10A~~ I-2	11.39	0.0	12.56	12.56	12.56		
IR01MW11A	1148	0.0	13.44	13.44	13.44		
IR01MW12A	1150	0.0	13.53	13.53	13.53		
IR01MW18A	1202	0.0	18.69	18.69	18.69		
IR01MW26B	1212	0.0	19.44	19.44	19.44		
IR01MW366A	1130	0.0	15.93	15.93	15.93		
IR01MW367A	1143	0.0	OBSTRUCTED		–	2.80	Dry JRC 14 Nov 06
IR01MW38A	1205	0.0	12.48	12.48	12.48		
IR01MW42A	1127	0.0	9.43	9.43	9.43		
~~IR01MW43A~~			~~Decommissioned~~				JRC 19 Oct 06
~~IR01MW44A~~			~~Decommissioned~~				JRC 19 Oct 06
~~IR01MW47B~~			~~Decommissioned~~				JRC 19 Oct 06
~~IR01MWI-3~~			~~Decommissioned~~				JRC 19 Oct 06
IR01MWI-5	1209	0.0	19.39	19.39	19.39		
IR01MWLF4A	covered by plastic sheeting						JRC 13 Nov 06 See Extension not surveyed, JRC 14 Nov 2006
IR01MWLF4B	1123	0.0	10.44	10.44	10.44		
IR04MW31A	~~1056~~	~~0.0~~	actually 14.05	inaccessible 14.05	JRC 14.05	14 Nov 06	Lightwt casing currently on well appears to extend above
IR12MW11A	1053	0.0	12.81	12.81	12.81		original surveyed casing on both wells
IR72MW33A	moved to Area 19 Book						Part of Section 19

Field Team Signature(s): J Gravesen

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 22

Field Team Personnel: JEFF SALA

Water Level Indicator Model and ID# HERON R7170

Event Date: 13 Nov 2006

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Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
IR01MW02B	12:35	0.0	15.21	15.21	15.21		oxy 20.7, CO 0, LEL 0
IR01MW03A	12:37	0.0	14.50	14.50	14.50		oxy 19.9, CO 3, LEL 2A
IR01MW16A	12:44	0.0	19.63	19.63	19.63		oxy 19.8, CO 0, LEL 100
IR01MW17B	12:46	0.0	24.45	24.45	24.45		oxy 20.9
IR01MW31A	12:52	0.0	8.97	8.97	8.97		oxy 20.9
IR01MW400A	12:05	0.0	9.36	9.36	9.36		oxy 20.9 Need Locking Cap, has slip PVC Cap
IR01MW402A	12:15	0.0	9.34	9.34	9.34		oxy 20.9
IR01MW403A	12:30	0.0	8.03	8.03	8.03		oxy 20.9
IR01MW403B	12:55	0.0	4.81	4.81	4.81		oxy 20.8
IR01MW48A	12:59	0.0	8.49	8.49	8.49		oxy 20.9
IR01MW53B	13:00	0.0	5.40	5.40	5.40		oxy 20.9
IR01MW58A	Damaged casing and stovepipe						DRC 12NOV06
IR01MW62A	1300	0.0	5.86	5.86	5.86		oxy 20.9
IR01MWI-7	12:53	0.0	3.28	3.28	3.28		oxy 20.9
IR01MWI-8	12:58	0.0	4.75	4.75	4.75		oxy 20.9
IR01MWI-9	1316	0.0	5.45	5.45	5.45		oxy 20.9
IR01MWLF1A	12:50	0.0	15.89	15.89	15.89		oxy 19.5, CO 3, LEL 25
IR01MWLF2A	12:40	0.0	14.29	14.29	14.29		oxy 20.8
IR75MW05B	11:50	0.4	8.59	8.59	8.59		oxy 20.9
IR76MW13A	11:20	0.0	15.52	15.52	15.52		oxy 20.9

Field Team Signature(s): Jeffrey D. Sala

Immiscible Layer (free product) Measurement

Hunters Point Shipyard, San Francisco, California

Event Date: 13 Nov 2006 **Field Team Personnel:** Dan Eldridge / Carlos Varela **Page** 1 **of** 1

Interface Probe Manufacturer: HERON **Model:** H.01 1 **Serial Number:** 10795
Photoionization Detector (PID) Manufacturer: RAE **Model:** 2000 **Serial Number:** R5726
Other Equipment:

Monitoring Well ID	DTW area	Time	Depth to LNAPL (ft,btoc)	DTW (ft, btoc)	LNAPL Thickness (ft)	Depth to DNAPL (ft,btoc)	Well TD (ft,btoc)	DNAPL Thickness (ft)	Comments	PID, ppm
Parcel C (b.134)							—			
IR25MW54A	4	> See Area 4 Book					16.54		JPC 13 Nov 06	
IR25MW902B	4						28.19		JPC 13 Nov 06	
Parcel E							—			
IR02MW146A	15	14:45	10.85	15.24	4.39	⊖	22.62	⊖		9.7
IR02MW173A	15	12:35	10.18	12.35	2.17	⊖	21.30	⊖		2.3
IR03MW218A1	15	13:58	11.57	11.60	0.03	⊖	14.62	⊖	emulsion	0.7
IR03MW225A	15	14:35	11.60	15.53	3.93	⊖	23.48	⊖	DTW 15.53	2.3
IR03MW226A	15	13:81	11.43	11.50	0.07	⊖	23.85	⊖		0.4
IR03MW369A	15	12.50	8.85	9.00	.05	⊖	22.60	⊖		8.3
IR03MW370A	15	13:50	10.50	14.58	4.08	⊖	22.42	⊖		2.9
IR03MW371A	15	14:08	NA	11.79	NA	⊖	27.08	⊖	product on sidewall	1.8
IR03MWO-1	15	14:52	NA	11.54	NA	⊖	22.36	⊖	emulsion sheen	6.4
IR03MWO-2	15	13:17	11.80	12.96	1.16	⊖	22.11	⊖		4.8
IR03MWO-3	15	14:24	10.81	15.92	5.11	⊖	18.95	⊖		2.1
IR12MW21A	19	12.00	10.03	10.08	0.05	⊖	22.14	⊖		⊖
IR39MW21A	17	12:05	⊖	3.40	⊖	⊖	15.20	⊖	Another W.L. team	⊖
PA36MW08A	7	12:10	⊖	8.36	⊖	⊖	21.15	⊖		⊖

DNAPL = dense nonaqueous phase liquid, DTW = depth to water. LNAPL = light nonaqueous phase liquid. ft bgs = feet below ground surface. ft btoc = feet below top of casing

Field Team Signatures(s): [signatures] 11/14/06 3704 WB

	DTW	LNAPL Thickness
	10.84	6.11
	6.95	4.08
11/13		2.03

diff Gauge non-reader

Immiscible Layer Form
JRC 10/24/2006

Immiscible Layer (free product) Measurement
Hunters Point Shipyard, San Francisco, California

Event Date: 21 Nov 06 Field Team Personnel: John Copland, Henry Leung Page 1 of ___
Building 134
Interface Probe Manufacturer: Heron H.01L Model: H.01L Serial Number: 10797 (01-1839)
Photoionization Detector (PID) Manufacturer: MiniRae Model: 2000 Serial Number: KAQ 110-012374
Other Equipment: none

Monitoring Well ID	Time	Depth to LNAPL (ft,btoc)	DTW (ft, btoc)	LNAPL Thickness (ft)	Depth to DNAPL (ft,btoc)	Well TD (ft,btoc)	DNAPL Thickness (ft)	MWL TD	Comments	PID, ppm
IR06MW44A	Inacces.	—						--		
IR06MW45A	Decom	—						--		
IR25EW01A	1007	—	7.71	ϕ	—	15.58	ϕ	15.50	~~OZA~~	0.0
IR25IW02A	0928	—	7.87	ϕ	—	15.39	ϕ	15.29	OZO	0.1
IR25MW11A	1033	7.51	7.76	0.25	—	18.75	ϕ	18.62	smelly	26.9
IR25MW15A1	Decom	—						--		
IR25MW15A2	Decom	—						--		
IR25MW15F	1003	—	7.76	ϕ	—	47.39	ϕ	47.		0.0
IR25MW16A	911	—	8.76	ϕ	—	21.03	ϕ	20.96	4" Fix MWL	6.9
IR25MW17A	857	—	6.89	ϕ	—	11.08	ϕ	19.92		0.0
IR25MW18A	Decom	—						--		
IR25MW19A	Decom	—						--		
IR25MW20A	Decom	—						--		
IR25MW22A	Decom	—								
IR25MW38B	900	—	7.91	ϕ	—	33.17	ϕ	33.04		0.0
IR25MW39A	0917	—	8.05	ϕ	—	13.92	ϕ	13.83		0.8
IR25MW39B	0914	—	8.58	ϕ	—	25.22		25.11		0.0
IR25MW42B	Inacc.	—						28.16	—	
IR25MW53A	0931	—	8.17	ϕ	—	15.82	ϕ	15.74		0.1
IR25MW54A	0934	—	7.23	ϕ	—	16.41	ϕ	16.43	smelly	28.8
IR25MW55A	1010	—	6.67	ϕ	—	16.68	ϕ	16.58		0.0

~~TVC Cruise~~, ϕ = ambient

Decon w/ Alconox Soapy Water & DI Rinse.

Immiscible Layer Form B134
JRC 11/20/2006

Lead? Paint

Monitoring Well ID	Time	Depth to LNAPL (ft,btoc)	DTW (ft, btoc)	LNAPL Thickness (ft)	Depth to DNAPL (ft,btoc)	Well TD (ft,btoc)	DNAPL Thickness (ft)	MWL TD	Comments	PID, ppm
IR25MW56A	939 13	–	8.49	ϕ	–	30.45	ϕ	30.31		2.1
IR25MW57A	—							15.55	Inaccessible by edge	
IR25MW60A1	Inacces.							24.35		
IR25MW60A2	Decom							--		
IR25MW900B	951 14	–	8.32	ϕ	–	27.79	ϕ	27.70		0.6
IR25MW901B	946 15	–	8.31	ϕ	–	27.69	ϕ	27.64		3.8
IR25MW902B	943 16	–	8.38	ϕ	–	28.31	~~ϕ 28.31~~	28.25		26.0
IR25MW903B	Decom							--		
IR25MW904B	1015 17	–	8.02	ϕ	–	25.98	ϕ	27.81		0.0
IR25MW905B	Decom							--		
? well by door	1030 18	–	8.08	ϕ	–	10.32	ϕ	–	4" PVC	
~~6" NWG EW01A~~	~~1003~~	~~[illegible]~~	7.76	ϕ	–	47.39	ϕ		~~[illegible]~~	0.4

DNAPL = dense nonaqueous phase liquid, DTW = depth to water. LNAPL = light nonaqueous phase liquid. ft bgs = feet below ground surface. ft btoc = feet below top of casing

Field Team Signatures(s): John R. Copland

TOS ~2.15 ft btoc

measured 18
decom & Inacc 13
Today's total 31

Immiscible Layer Form B134
JRC 11/20/2006

Appendix B.
Groundwater Elevation Data

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR01MW02B	NNP	B	20.61	15.21	5.40	1235	
IR01MW03A	NNP	A	19.89	14.50	5.39	1237	
IR01MW05A	NNP	A	22.56	17.63	4.93	1156	
IR01MW07A	E-2	D	D	NM	NM	NM	Decommissioned
IR01MW09B	E-2	B	10.05	7.10	2.95	1305	
IR01MW10A	E-2	A	13.75	9.22	4.53	1256	
IR01MW11A	E-2	A	17.96	13.44	4.52	1148	Redundant, not contoured
IR01MW12A	E-2	A	18.25	13.53	4.72	1150	Redundant, not contoured
IR01MW16A	E-2	A	24.66	19.63	5.03	1244	
IR01MW17B	E-2	B	29.55	24.45	5.10	1246	
IR01MW18A	E-2	A	23.61	18.69	4.92	1202	
IR01MW26B	E-2	B	24.02	19.44	4.58	1212	
IR01MW31A	E-2	A	13.81	8.97	4.84	1252	
IR01MW366A	E-2	A	17.31	15.93	1.38	1130	
IR01MW366B	E-2	B	16.57	12.89	3.68	1132	
IR01MW367A	E-2	A	12.12	NM	NM	NM	Obstructed
IR01MW38A	E-2	A	17.37	12.48	4.89	1205	
IR01MW400A	NNP	A	11.58	9.36	2.22	1205	
IR01MW402A	NNP	A	12.51	9.34	3.17	1215	
IR01MW403A	NNP	A	13.00	8.03	4.97	1230	
IR01MW403B	E-2	B	10.43	4.81	5.62	1255	
IR01MW42A	E-2	A	13.28	9.43	3.85	1127	
IR01MW43A	E-2	D	D	NM	NM	NM	Decommissioned
IR01MW44A	E-2	D	D	NM	NM	NM	Decommissioned
IR01MW47B	E-2	D	D	NM	NM	NM	Decommissioned
IR01MW48A	E-2	A	10.96	8.49	2.47	1259	
IR01MW53B	E-2	B	10.01	5.40	4.61	1300	
IR01MW58A	E-2	A	9.19	NM	NM	NM	Damaged
IR01MW62A	E-2	A	7.91	5.86	2.05	1300	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR01MWI-2	E-2	A	13.22	12.56	0.66	1139	
IR01MWI-3	E-2	D	D	NM	NM	NM	Decommissioned
IR01MWI-5	E-2	A	24.51	19.39	5.12	1209	
IR01MWI-7	E-2	A	5.81	3.28	2.53	1253	
IR01MWI-8	E-2	A	6.64	4.75	1.89	1258	
IR01MWI-9	E-2	A	8.04	5.45	2.59	1316	
IR01MWLF1A	E-2	A	20.80	15.89	4.91	1250	
IR01MWLF2A	E-2	A	19.52	14.29	5.23	1240	
IR01MWLF4A	E-2	A	14.88	NM	NM	NM	Inaccessible
IR01MWLF4B	E-2	B	14.40	10.44	3.96	1123	
IR02MW101A1	E	A	11.23	11.49	-0.26	1142	
IR02MW101A2	E	A	11.22	11.59	-0.37	1140	Redundant, not contoured
IR02MW114A1	E	A	13.63	NM	NM	NM	Inaccessible
IR02MW114A2	E	A	12.43	NM	NM	NM	Damaged
IR02MW114A3	E	A	13.29	9.12	4.17	1307	
IR02MW126A	E	A	11.36	9.49	1.87	1255	
IR02MW127B	E	D	D	NM	NM	NM	Decommissioned
IR02MW146A	E	A	11.30	NM	NM	NM	NAPL
IR02MW147A	E	A	8.36	6.08	2.28	1200	
IR02MW149A	E	A	8.72	5.30	3.42	1156	
IR02MW173A	E	A	9.51	NM	NM	NM	NAPL
IR02MW175A	E	A	7.74	NM	NM	NM	Buried by landfill cover
IR02MW179A	E	A	9.82	9.47	0.35	1428	
IR02MW183A	E	A	10.40	NM	NM	NM	Inaccessible
IR02MW196A	E	A	8.05	7.61	0.44	1148	
IR02MW206A1	E	A	7.43	6.80	0.63	1134	
IR02MW206A2	E	A	7.41	NM	NM	NM	Damaged
IR02MW209A	E	A	6.34	5.81	0.53	1130	
IR02MW210B	E	B	9.17	9.23	-0.06	1140	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR02MW298A	E	A	11.79	6.75	5.04	1303	
IR02MW299A	E	A	10.56	10.61	-0.05	1143	
IR02MW300A	E	D	D	NM	NM	NM	Decommissioned
IR02MW372A	E	D	D	NM	NM	NM	Decommissioned
IR02MW373A	E	A	11.34	8.94	2.40	1103	
IR02MW89A	E	A	10.08	10.25	-0.17	1223	
IR02MW93A	E	A	7.25	7.75	-0.50	1124	
IR02MW97A	E	A	8.95	8.96	-0.01	1137	
IR02MWB-1	E	A	8.46	5.33	3.13	1204	
IR02MWB-2	E	A	11.88	9.20	2.68	1151	
IR02MWB-3	E	D	D	NM	NM	NM	Decommissioned
IR02MWB-5	E	A	4.74	4.68	0.06	1127	
IR02MWC5-W	E	A	7.49	NM	NM	NM	Inaccessible (covered)
IR02P97AA	E	A	7.09	6.77	0.32	1142	Redundant, not contoured
IR02P97AB	E	D	D	NM	NM	NM	Decommissioned
IR03MW218A1	E	A	11.92	NM	NM	NM	NAPL
IR03MW218A2	E	A	12.26	11.97	0.29	1110	
IR03MW218A3	E	A	12.00	11.81	0.19	1105	
IR03MW224A	E	A	10.92	11.01	-0.09	1115	
IR03MW225A	E	A	12.27	NM	NM	NM	NAPL
IR03MW226A	E	A	11.81	NM	NM	NM	NAPL
IR03MW228B	E	B	12.12	8.00	4.12	1059	
IR03MW342A	E	A	8.48	8.50	-0.02	1051	
IR03MW369A	E	A	10.01	NM	NM	NM	NAPL
IR03MW370A	E	A	11.19	NM	NM	NM	NAPL
IR03MW371A	E	A	12.48	11.79	0.69	1408	
IR03MW372A	E	A	8.18	8.20	-0.02	1121	Redundant, not contoured
IR03MW373B	E	B	7.87	3.85	4.02	1126	
IR03MWO-1	E	A	11.92	11.54	0.38	1452	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR03MWO-2	E	A	11.55	NM	NM	NM	NAPL
IR03MWO-3	E	A	9.22	NM	NM	NM	NAPL
IR04MW13A	E-2	A	12.55	12.09	0.46	1219	
IR04MW31A	E-2	A	12.53	NM	NM	NM	Inaccessible
IR04MW36A	E-2	A	9.84	9.69	0.15	1300	
IR04MW37A	E	A	9.54	9.70	-0.16	1245	
IR04MW38A	E	A	9.76	10.21	-0.45	1240	
IR04MW40A	E	A	7.16	6.99	0.17	1310	
IR05MW73A	E	A	6.59	6.88	-0.29	1227	
IR05MW76A	E	A	4.97	5.21	-0.24	1145	
IR05MW82A	E	A	12.00	12.01	-0.01	1150	
IR05MW85A	E	A	9.80	10.68	-0.88	1230	
IR06MW22A	C	A	10.00	6.45	3.55	1207	
IR06MW32A	C	A	9.90	6.47	3.43	1204	
IR06MW34A	C	A	10.37	9.29	1.08	1147	
IR06MW35A	C	A	9.73	6.06	3.67	1158	
IR06MW40A	C	A	10.08	8.30	1.78	1150	
IR06MW41A	C	A	9.78	8.41	1.37	1149	
IR06MW42A	C*	A	11.89	10.82	1.07	1141	
IR06MW44A	C	A	9.81	NM	NM	NM	Inaccessible
IR06MW45A	C*	D	D	NM	NM	NM	Decommissioned
IR06MW46A	B	A	9.46	6.56	2.90	1201	
IR06MW47F	C	Bedrock	9.66	7.67	1.99	1152	
IR06MW49F	C	Bedrock	11.49	9.90	1.59	1205	
IR06MW50F	C	D	D	NM	NM	NM	Decommissioned
IR06MW52F	C	Bedrock	9.70	6.16	3.54	1200	
IR06MW54F	C	Bedrock	35.02	24.95	10.07	1259	
IR06MW55F	C	Bedrock	32.34	23.36	8.98	1252	
IR06MW56F	C	Bedrock	25.04	21.35	3.69	1250	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR06MW57F	C	Bedrock	28.02	16.30	11.72	1254	
IR06MW58F	C	D	D	NM	NM	NM	Decommissioned
IR06MW59A1	C	A	9.46	6.19	3.27	1155	
IR07MW19A	B	A	9.56	8.47	1.09	1145	
IR07MW20A1	B	A	9.26	8.63	0.63	1150	
IR07MW21A1	B	A	13.89	14.43	-0.54	1155	TOC needs resurvey, not contoured
IR07MW23A	B	A	15.76	13.75	2.01	1206	
IR07MW24A	B	A	16.26	12.09	4.17	1159	TOC needs resurvey, not contoured
IR07MW25A	B	A	12.67	10.65	2.02	1202	
IR07MW26A	B	A	14.50	12.20	2.30	1148	
IR07MW27A	B	A	16.15	13.19	2.96	1220	
IR07MW28A	NNP	A	12.03	9.75	2.28	1128	
IR07MW93A	B	A	19.53	NM	NM	NM	Inaccessible
IR07MW94A	B	A	15.15	NM	NM	NM	Inaccessible
IR07MW95A	NNP	A	16.60	14.40	2.20	1131	
IR07MWS-2	B	A	12.71	10.22	2.49	1225	
IR07MWS-3	B	D	D	NM	NM	NM	Decommissioned
IR07MWS-4	B	A	16.78	15.09	1.69	1151	
IR08MW38A	E	A	6.82	6.30	0.52	1430	
IR08MW40A	E	A	5.41	5.17	0.24	1432	
IR08MW44A	E	A	5.94	5.24	0.70	1432	
IR08MWW-6	D	A	4.88	4.80	0.08	1436	
IR09MW31A	D	A	8.42	8.89	-0.47	1440	
IR09MW35A	D	A	8.71	8.01	0.70	1432	
IR09MW36A	D	A	8.87	9.30	-0.43	1411	
IR09MW37A	D	A	9.15	10.38	-1.23	1400	
IR09MW38A	D	A	9.02	9.64	-0.62	1444	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR09MW39A	D	A	8.18	8.59	-0.41	1446	
IR09MW44A	D	A	8.78	8.06	0.72	1416	
IR09MW45F	D	Bedrock	8.46	8.28	0.18	1340	
IR09MW51F	D	Bedrock	8.64	8.04	0.60	1342	
IR09MW52A	D	A	9.59	10.08	-0.49	1355	
IR09MW54B	D	B	9.26	9.62	-0.36	1442	
IR09MW55B	D	B	9.07	8.78	0.29	1434	
IR09MW61A	D	A	8.49	8.99	-0.50	1250	
IR09MW62A	D	A	8.50	10.10	-1.60	1455	
IR09MW63A	D	A	8.66	7.64	1.02	1348	
IR10MW12A	B	D	D	NM	NM	NM	Decommissioned
IR10MW13A1	B	A	9.92	7.19	2.73	1132	
IR10MW14A	B	A	10.23	7.20	3.03	1258	
IR10MW28A	B	A	13.57	10.81	2.76	1300	
IR10MW29A1	B	A	9.15	6.26	2.89	1235	
IR10MW31A1	B	A	10.34	NM	NM	NM	Inaccessible
IR10MW32A	B	A	9.77	NM	NM	NM	Inaccessible
IR10MW33A	B	A	10.17	6.90	3.27	1407	
IR10MW59A	B	A	13.79	10.80	2.99	1305	
IR10MW61A	B	A	10.05	NM	NM	NM	Inaccessible
IR10MW79A	B	A	10.11	7.26	2.85	1230	
IR10MW80A	B	A	9.67	6.81	2.86	1227	
IR11MW25A	E	A	11.40	NM	NM	NM	Damaged
IR11MW26A	E	A	9.33	8.87	0.46	1200	
IR11MW27A	E	A	9.88	10.46	-0.58	1207	
IR12MW11A	E-2	A	11.68	NM	NM	NM	Temporary riser
IR12MW12A	E	A	8.40	6.50	1.90	1205	
IR12MW13A	E	A	12.52	12.45	0.07	1225	
IR12MW14A	E	A	9.23	8.75	0.48	1415	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR12MW15A	E	A	7.28	NM	NM	NM	Inaccessible
IR12MW16A	E	A	8.57	9.74	-1.17	1207	
IR12MW17A	E	A	12.46	NM	NM	NM	Temporary riser
IR12MW20A	E	A	12.27	12.15	0.12	1155	
IR12MW21A	E	A	10.42	NM	NM	NM	NAPL
IR13MW12A	E	A	4.12	4.23	-0.11	1226	
IR13MWB5A-W	E	A	5.93	6.78	-0.85	1117	
IR14MW09A	E	A	9.93	9.93	0.00	1246	
IR14MW10A	E	A	8.89	8.92	-0.03	1243	
IR14MW12A	E	A	8.52	8.49	0.03	1503	
IR15MW06A	E	A	11.11	11.05	0.06	1211	
IR15MW07A	E	A	11.18	11.10	0.08	1515	
IR15MW10F	E	Bedrock	10.98	9.76	1.22	1157	
IR17MW11A	D	A	7.85	6.80	1.05	1415	
IR17MW12A	D	A	7.72	6.95	0.77	1403	
IR17MW13A	D	A	6.98	9.77	-2.79	1403	
IR18MW100B	B	B	17.94	NM	NM	NM	Inaccessible
IR18MW101B	B	B	18.89	NM	NM	NM	Inaccessible
IR18MW200A	NNP	A	26.96	24.29	2.67	1137	
IR18MW21A	B	A	17.56	15.21	2.35	1210	
IR18MW91A	NNP	A	18.75	15.39	3.36	1135	
IR18MW92A	B	A	20.70	17.82	2.88	1213	
IR20MW17A	B	A	10.51	7.12	3.39	1323	
IR22MW07A	D	A	7.74	6.89	0.85	1335	
IR22MW08A	D	A	8.77	7.70	1.07	1338	
IR22MW15A	D	A	10.83	9.98	0.85	1344	
IR22MW16A	D	A	7.86	6.80	1.06	1312	
IR22MW20A	D	A	7.84	6.79	1.05	1324	
IR24MW06A	B	A	10.25	2.28	7.97	1358	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR25EW01A	B	A	10.81	6.15	4.66	1316	Redundant, not contoured
IR25MW11A	C	A	10.45	NM	NM	NM	NAPL
IR25MW16A	C	A	11.02	9.17	1.85	1344	
IR25MW17A	C*	A	10.31	6.95	3.36	1313	
IR25MW18A	C	D	D	NM	NM	NM	Decommissioned
IR25MW20A	C	D	D	NM	NM	NM	Decommissioned
IR25MW37A	C*	A	10.07	NM	NM	NM	Inaccessible
IR25MW37B	C	B	10.21	NM	NM	NM	Inaccessible
IR25MW38B	C	B	10.44	8.21	2.23	1308	
IR25MW39A	C	A	11.21	8.20	3.01	1347	
IR25MW39B	C	B	11.25	9.18	2.07	1341	
IR25MW42B	C	B	10.01	NM	NM	NM	Inaccessible
IR25MW50A	C	A	10.02	5.91	4.11	1315	
IR25MW53A	C	A	11.07	7.90	3.17	1331	Redundant, not contoured
IR25MW54A	C	A	11.12	7.34	3.78	1329	
IR25MW55A	C	A	10.39	7.10	3.29	1317	Redundant, not contoured
IR25MW60A1	C	A	9.57	NM	NM	NM	Inaccessible
IR25MW60A2	C	D	D	NM	NM	NM	Decommissioned
IR25MW61A1	B*	A	9.56	6.22	3.34	1328	
IR25MW61A2	B*	A	9.67	6.44	3.23	1327	Redundant, not contoured
IR25MW900B	C	B	11.02	8.71	2.31	1322	
IR25MW901B	C	B	10.98	8.71	2.27	1324	
IR25MW902B	C	B	11.02	8.90	2.12	1326	
IR26MW40A	B	A	9.89	8.39	1.50	1401	
IR26MW41A	B	A	10.15	NM	NM	NM	Inaccessible
IR26MW43A	B	A	7.09	6.43	0.66	1403	
IR26MW44A	B	A	8.25	7.11	1.14	1447	
IR26MW46A	B	A	8.08	6.68	1.40	1437	
IR26MW47A	B	A	7.75	7.32	0.43	1409	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR26MW48A	B	A	8.13	NM	NM	NM	Inaccessible
IR26MW49A	B	A	7.99	7.76	0.23	1407	
IR26MW50A	B	A	7.42	6.57	0.85	1405	
IR28MW122A	C	A	7.48	6.25	1.23	1138	
IR28MW123A	C	A	8.09	6.61	1.48	1120	
IR28MW125A	C	A	7.74	6.30	1.44	1147	
IR28MW126A	C	A	7.76	6.09	1.67	1152	
IR28MW127A	C	A	7.63	5.85	1.78	1202	
IR28MW136A	C	A	7.55	6.06	1.49	1227	
IR28MW140F	C	Bedrock	7.66	6.05	1.61	1143	
IR28MW150A	C	A	7.87	6.80	1.07	1140	
IR28MW151A	C	A	8.57	6.70	1.87	1122	
IR28MW155A	C	A	8.57	6.76	1.81	1209	
IR28MW169A	C	A	9.69	7.94	1.75	1206	
IR28MW170A	C	A	8.76	7.00	1.76	1127	
IR28MW171A	C	A	6.67	5.34	1.33	1155	
IR28MW171B	C	B	7.19	5.71	1.48	1157	
IR28MW172F	C	Bedrock	8.57	5.96	2.61	1255	
IR28MW173B	C	B	8.06	6.16	1.90	1215	
IR28MW188F	C	Bedrock	9.64	NM	NM	NM	Inaccessible
IR28MW189F	C	Bedrock	8.87	5.51	3.36	1355	
IR28MW190F	C	Bedrock	10.06	7.71	2.35	1312	
IR28MW200A	C	A	8.28	6.80	1.48	1135	
IR28MW201F	C	Bedrock	8.04	6.80	1.24	1130	
IR28MW216F	C	Bedrock	8.38	5.78	2.60	1250	
IR28MW217A	C	A	8.98	6.75	2.23	1253	
IR28MW221A	C	A	9.56	7.79	1.77	1203	
IR28MW221B	C	B	9.58	7.73	1.85	1159	
IR28MW255F	C	Bedrock	7.83	6.29	1.54	1200	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR28MW268A	C	A	7.90	6.09	1.81	1155	
IR28MW271A	C	A	7.06	5.89	1.17	1115	
IR28MW272A	C	A	7.85	6.45	1.40	1125	
IR28MW272F	C	Bedrock	8.19	6.52	1.67	1120	
IR28MW286A	C	A	9.81	7.81	2.00	1328	
IR28MW287A	C	A	9.31	6.88	2.43	1331	
IR28MW290A	C	D	D	NM	NM	NM	Decommissioned
IR28MW297A	C	A	7.68	6.63	1.05	1227	
IR28MW298A	C	A	8.04	7.10	0.94	1115	
IR28MW299B	C	B	9.60	7.12	2.48	1320	
IR28MW308A	C	A	7.63	5.63	2.00	1412	
IR28MW309B	C	B	9.06	7.13	1.93	1203	
IR28MW310F	C	Bedrock	7.62	5.62	2.00	1225	
IR28MW311A	C	A	8.02	5.44	2.58	1220	
IR28MW311A-R1	C	A	7.90	5.24	2.66	1225	Redundant, not contoured
IR28MW313F	C	Bedrock	12.17	9.86	2.31	1402	
IR28MW314B	C	B	8.68	7.17	1.51	1225	
IR28MW315A	C	A	8.84	6.56	2.28	1230	
IR28MW315B	C	B	9.03	6.61	2.42	1230	
IR28MW315F	C	Bedrock	8.97	6.51	2.46	1230	
IR28MW324A	C	D	D	NM	NM	NM	Decommissioned
IR28MW326A	C	D	D	NM	NM	NM	Decommissioned
IR28MW333A	C	D	D	NM	NM	NM	Decommissioned
IR28MW334A	C	A	8.78	7.28	1.50	1223	Redundant, not contoured
IR28MW338A	C	A	8.83	7.12	1.71	1218	
IR28MW339A	C	A	8.47	6.82	1.65	1129	
IR28MW340A	C	A	8.65	7.07	1.58	1133	
IR28MW342F	C	Bedrock	8.86	6.75	2.11	1215	
IR28MW350F	C	Bedrock	9.83	7.63	2.20	1242	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR28MW351F	C	Bedrock	9.00	6.93	2.07	1210	
IR28MW352A	C	A	8.05	6.19	1.86	1220	
IR28MW353A	C	A	8.19	6.99	1.20	1147	
IR28MW353B	C	B	7.33	5.60	1.73	1145	
IR28MW354B	C	B	8.19	6.57	1.62	1212	
IR28MW394A	C	A	9.26	7.01	2.25	1220	
IR28MW394B	C	B	9.02	7.23	1.79	1218	
IR28MW395F	C	Bedrock	9.12	6.44	2.68	1252	
IR28MW396A	C	A	8.99	7.20	1.79	1310	
IR28MW396B	C	B	9.09	6.96	2.13	1310	
IR28MW397A	C	A	9.13	6.75	2.38	1338	
IR28MW397B	C	B	9.37	7.03	2.34	1336	
IR28MW398A	C	A	9.33	7.33	2.00	1415	
IR28MW398B	C	B	8.92	5.60	3.32	1416	
IR28MW399B	C	B	7.82	6.38	1.44	1124	
IR28MW400B	C	B	8.88	7.35	1.53	1131	
IR28MW401B	C	B	8.58	6.83	1.75	1244	
IR28MW910A	C	A	8.93	6.46	2.47	1344	
IR28MW914A	C	A	9.45	7.00	2.45	1359	Redundant, not contoured
IR28MW932F	C	Bedrock	8.87	6.78	2.09	1215	
IR28MW933F	C	A	9.02	NM	NM	NM	Sampling equipment in well
IR28MW934F	C	A	9.05	NM	NM	NM	Sampling equipment in well
IR29MW48A	C	A	8.04	7.15	0.89	1102	
IR29MW57A	C	D	D	NM	NM	NM	Decommissioned
IR29MW58F	C	Bedrock	8.54	6.85	1.69	1107	
IR29MW84A	C	A	8.09	6.96	1.13	1058	
IR29MW85F	C	Bedrock	9.66	5.74	3.92	1111	
IR30MW01F	C	Bedrock	8.92	2.11	6.81	1118	
IR30MW03F	C	Bedrock	8.89	NM	NM	NM	Inaccessible

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR30MW04F	C	Bedrock	8.96	5.56	3.40	1048	
IR33MW116A	D	A	8.38	8.66	-0.28	1438	
IR33MW120B	D	B	9.45	7.31	2.14	1454	
IR33MW121B	D	B	7.20	4.85	2.35	1230	
IR33MW61A	D	A	12.26	11.64	0.62	1315	
IR33MW62A	D	A	8.21	7.81	0.40	1311	
IR33MW63A	D	A	7.80	7.01	0.79	1237	
IR33MW64A	D	A	9.30	8.54	0.76	1317	
IR33MW65A	D	A	8.32	8.02	0.30	1321	
IR33MW66A	D	A	8.91	8.54	0.37	1329	
IR34MW01A	D	A	8.62	8.04	0.58	1301	
IR34MW02A	D	A	8.03	7.74	0.29	1249	
IR34MW36A	D	A	8.80	8.09	0.71	1306	
IR34MW36B	D	B	9.23	8.94	0.29	1305	
IR34MW37A	D	A	8.78	8.01	0.77	1252	
IR34MW37B	D	B	8.60	8.09	0.51	1253	
IR35MW01A	D	A	8.85	7.96	0.89	1350	
IR36MW09A	E	A	5.00	5.90	-0.90	1310	Redundant, not contoured
IR36MW11A	E	A	8.55	9.22	-0.67	1300	
IR36MW120B	E	B	7.05	4.36	2.69	1245	
IR36MW121A	E	A	6.96	7.99	-1.03	1246	
IR36MW122A	E	A	7.64	8.69	-1.05	1220	
IR36MW123B	E	B	7.55	4.79	2.76	1222	
IR36MW125A	E	A	6.55	6.94	-0.39	1307	
IR36MW126A	E	A	5.16	6.14	-0.98	1309	Redundant, not contoured
IR36MW127A	E	A	6.45	7.32	-0.87	1313	Redundant, not contoured
IR36MW128A	E	A	8.01	9.06	-1.05	1209	
IR36MW129B	E	B	7.80	5.30	2.50	1212	
IR36MW12A	E	A	7.18	7.90	-0.72	1257	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR36MW135A	E	A	7.85	8.49	-0.64	1219	
IR36MW137A	E	A	7.76	NM	NM	NM	Dry
IR36MW14A	E	A	5.52	6.59	-1.07	1314	
IR36MW15A	E	A	7.04	8.19	-1.15	1247	
IR36MW16A	D	A	8.26	7.20	1.06	1425	
IR36MW17A	E	A	8.36	9.27	-0.91	1228	
IR37MW01A	D	A	7.59	9.00	-1.41	1232	
IR37MW26B	D	B	8.14	7.09	1.05	1237	
IR38MW01A	E	A	4.28	4.09	0.19	1144	
IR38MW02A	E	A	2.88	3.93	-1.05	1221	Water in vault
IR38MW03A	E	A	4.00	3.95	0.05	1231	
IR39MW21A	E	A	7.92	8.40	-0.48	1205	
IR39MW22A	E	A	6.34	7.03	-0.69	1119	
IR39MW23A	E	A	5.61	6.55	-0.94	1115	
IR39MW24A	E	A	4.80	5.87	-1.07	1128	
IR39MW33A	E	A	4.31	4.65	-0.34	1130	
IR39MW36A	E	A	4.66	5.70	-1.04	1136	
IR44MW08A	D	A	7.24	5.93	1.31	1229	
IR46MW37A	B	A	9.58	7.23	2.35	1310	
IR46MW38A	B	A	9.78	8.40	1.38	1239	
IR46MW39A	B	A	9.75	8.83	0.92	1225	
IR46MW41A	B	A	9.57	6.74	2.83	1400	
IR46MW43A	B	A	8.98	8.12	0.86	1230	
IR46MW46A	B	A	9.61	9.04	0.57	1219	
IR46MW47A	B	A	9.69	8.86	0.83	1217	
IR46MW48A	B	A	8.89	7.68	1.21	1127	
IR50MW13F	C	Bedrock	7.68	6.03	1.65	1128	
IR50MW15A	D	A	6.84	5.90	0.94	1432	
IR55MW01A	D	A	5.14	5.04	0.10	1238	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR55MW02A	D	A	7.27	7.17	0.10	1231	
IR55MW04A	D	A	4.80	4.05	0.75	1244	
IR58MW24F	C	Bedrock	15.48	13.21	2.27	1420	
IR58MW25F	C	Bedrock	9.72	7.22	2.50	1424	
IR58MW26A	C	A	8.24	5.67	2.57	1356	
IR58MW31A	C	A	8.97	6.38	2.59	1249	Redundant, not contoured
IR58MW31F	C	Bedrock	9.22	6.62	2.60	1250	
IR58MW32B	C	B	8.77	6.44	2.33	1400	
IR58MW33B	C	B	9.06	6.52	2.54	1244	
IR60MW08A	B	D	D	NM	NM	NM	Decommissioned
IR61MW05A	B	A	10.11	7.38	2.73	1140	
IR62MW07A	B	A	10.20	NM	NM	NM	Inaccessible
IR62MW08A	B	A	10.35	7.12	3.23	1210	
IR64MW05A	C	A	7.83	NM	NM	NM	Inaccessible
IR67MW04A	D	A	8.17	7.05	1.12	1204	
IR70MW04A	D	A	9.82	9.70	0.12	1202	
IR70MW11A	D	A	9.04	8.89	0.15	1209	
IR70MW12A	D	A	8.44	8.36	0.08	1231	
IR71MW03A	D	A	8.31	7.91	0.40	1241	
IR71MW04A	D	A	7.70	7.36	0.34	1250	
IR71MW12B	D	B	8.23	5.80	2.43	1239	
IR72MW32A	E	A	10.08	10.15	-0.07	1249	
IR72MW33A	E	A	12.00	9.43	2.57	1255	
IR73MW04A	E	A	13.48	11.75	1.73	1438	
IR74MW01A	E	A	13.16	13.29	-0.13	1210	
IR75MW05B	NNP	B	15.57	8.59	6.98	1150	
IR76MW13A	NNP	A	19.69	15.52	4.17	1120	
PA16MW17A	D	A	8.45	7.30	1.15	1417	
PA16MW18A	D	A	8.37	7.27	1.10	1420	

Appendix B. Groundwater elevation data (November 13, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to Water (ft)	Groundwater elevation (ft MSL)	Time	Comments
PA18MW08A	NNP	D	D	NM	NM	NM	Decommissioned
PA24MW02A	B	D	D	NM	NM	NM	Decommissioned
PA28MW51A	C	A	8.41	6.62	1.79	1234	
PA32MW04A	D	A	7.05	5.97	1.08	1253	
PA33MW36A	D	A	9.24	8.02	1.22	1458	
PA33MW37A	D	A	9.27	7.28	1.99	1456	
PA36MW01A	E	A	7.64	9.30	-1.66	1241	
PA36MW02A	E	A	8.02	9.66	-1.64	1246	
PA36MW04A	E	A	7.33	8.35	-1.02	1215	
PA36MW05A	E	D	D	NM	NM	NM	Decommissioned
PA36MW07A	E	A	6.80	7.45	-0.65	1251	
PA36MW08A	E	A	7.65	8.37	-0.72	1255	
PA39MW01A	E	A	4.53	4.54	-0.01	1256	
PA39MW02A	E	A	6.13	6.19	-0.06	1217	
PA50MW01A	B	A	9.18	NM	NM	NM	Inaccessible
PA50MW02A	B	A	7.80	NM	NM	NM	Inaccessible
PA50MW03A	C	A	7.03	5.94	1.09	1151	
PA50MW04A	C	A	7.56	5.70	1.86	1132	
PA50MW05A	D	A	6.07	5.24	0.83	1430	
PA50MW06A	D	A	7.64	6.23	1.41	1225	
PA50MW07A	D	A	8.71	8.19	0.52	1310	
PA50MW08A	E	A	7.48	NM	NM	NM	Inaccessible
PA50MW09A	E	A	5.00	6.10	-1.10	1139	Redundant, not contoured
PA50MW10A	E	A	8.45	10.68	-2.23	1237	
PA50MW11A	D	A	7.66	7.10	0.56	1334	
PA50MW12A	D	A	8.62	9.68	-1.06	1412	
UT02MW15A	B	A	12.57	9.63	2.94	1209	
UT03MW11A	B	A	9.94	7.04	2.90	1157	
UT03MW12A	B	A	10.10	7.63	2.47	1201	

Notes:
B*: located in Parcel B, but reported in the Parcels C, D and E report
C*: located in Parcel C, but included in the RAMP and reported in the Parcel B report
Hydrostratigraphic Units:
- **A: A-Aquifer**
- **B: B-Aquifer**

Abbreviations:
- **D: Decommissioned**
- **MSL: Mean Sea Level**
- **NAPL: Non-aqueous Phase Liquid**
- **NM: Not measured**
- **NNP: Non-Navy property (reported by SAP assigned parcel)**

Appendix C.
Monitoring Well Sampling Forms

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 12/11/06 WELL ID: 1R06MW42A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: ____ inches

Size and number of bolts on vault cover: 2 3/4" BOLTS
Specific wrench required? YES/NO (describe): NO
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: MASTER 6835
Condition of lock: OK

External Well ID: 1R06MW42A Internal Well ID: 1R06MW42A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: OK
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): NO
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): YES NORTH
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC: ____ inches
Depth to bottom of well: 13.95 feet Obstructions?: NO
Immiscible phases present? YES/NO If yes, describe (including thickness): ____
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field.
Location sketch with North arrow:

Describe unusual conditions: NONE

Maintenance performed: NONE

Recommended repairs: NONE

Well Inspected by: J GRAVESON

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Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR06MW42A	Day of Week: Mon	Date: 12/11/06
Personnel: SMackenzie J GRAVESEN	Initial depth to water: 10.00	ft. below top of casing

Organic Vapor Concentrations

PID	Landfill Gas Meter (if applicable to well)
Top of Casing: 0.0 Background: 0.0	LEL: n/a Methane: O2:

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Max 10.50 Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
0913	500	0	10.02						
0915	500	1.0	10.03	18.32	1.450	7.64	6.50	-113.4	3.25
0917	500	2.0	10.04	19.47	1.458	6.62	6.55	-122.6	2.93
0919	500	3.0	10.05	20.73	1.471	3.74	6.58	-119.2	2.68
0921	500	4.0	10.04	21.09	1.481	3.01	6.59	-119.8	2.14
0923	500	5.0	10.05	21.39	1.494	2.01	6.59	-110.6	2.14
0925	500	6.0	10.05	21.53	1.512	1.38	6.59	-118.2	2.79
0927	500	7.0	10.05	21.63	1.529	0.97	6.59	-118.5	2.79
0929	500	8.0	10.06	21.67	1.542	0.62	6.59	-109.2	2.67
0931	500	9.0	10.06	21.70	1.554	0.48	6.59	-114.0	2.47
0933	500	10.0	10.06	21.73	1.563	0.45	6.59	-113.9	3.10

After Sampling Depth to Bottom of Well: 13.95 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316 AC	PID	MiniRae	110-012373
Turbidity Meter	LaMotte	M610413	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3			
PCBs	✓	Oil / Grease		TKN			
Resticides	✓	Cyanide		Salinity			
VOCs	✓	Anions		TDS			
SVOCs	✓	Sulfide		TSS	✓		
TPH-e	✓	Dioxane					
TPH-p	✓	OP Cmpds					
Hexavalent Chromium	✓	Organo Cl Pesticides					

SAMPLE INFORMATION

Sample Number: 06506051

Sample Date: 12-11-06 Time: 0935

Middle of Saturated Screen

Sample Depth (ft. below TOC): 12.0

Method of Extraction:	Method of Sampling:
Submersible Pump	Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: [signature] Date: 12/14/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: 1R07MW19A1 PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: N/A inches

Size and number of bolts on vault cover: 1 1/2 bolt is stripped
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe): TAMPED DOWN BY BEING DRIVEN OVER
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO N/A
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: 1R07MW19A1 Internal Well ID: 1R07MW19A1

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Good
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good, but was run over by a car, very hard to open
PVC/inner casing: Good
Odor or staining? (describe): Rusty
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): Black Mark to the North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC N/A inches
Depth to bottom of well: 15.97 feet Obstructions?: NO
Immiscible phases present? YES/NO If yes, describe (including thickness): N/A
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field.

Describe unusual conditions: None
*SHOULD CONE IT AS IT IS IN MIDDLE OF PARKING AREA

Location sketch with North arrow:

Maintenance performed: None

Recommended repairs: Yes New bolts

Well inspected by: Nicola E Cook

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R07MW19 A	**Day of Week:** WED	**Date:** 11/15/06
Personnel: H. Lang, N. Cook, L. Johnson	Initial depth to water: 8.37	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: ~~1.8~~ N/A Background: ~~100.0~~ N/A

Landfill Gas Meter (if applicable to well) LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	± 3% Specific Conductivity (mS/cm)	± 10% or .2 Dissolved Oxygen (mg/L)	± 0.2 pH	Oxidation Reduction Potential	Turbidity (NTU)
~~1010~~	~~500~~	~~0~~	~~8.23~~						
1010	500	0	8.23						
1012	500	1000	8.23	20.45	18.66	3.83	6.92	125.4	5.32
1014	500	2000	8.23	20.73	18.84	3.36	6.93	132.2	5.14
1016	500	3000	8.20	20.79	18.92	3.38	6.94	132.9	4.30
1018	500	4000	8.20	20.76	19.00	3.41	6.94	132.3	4.35
1020	500	5000	8.20	20.80	19.04	3.39	6.94	132.5	3.74
1022	~~500~~ 500	6000	8.20	20.84	19.07	3.46	6.95	132.5	3.74
1024	500	7000	8.18	20.79	19.14	3.42	6.95	132.3	3.66
1026	500	8000	8.18	20.74	19.20	3.44	6.95	132.5	3.76
			SAMPLED		OK	OK	OK		

After Sampling Depth to Bottom of Well: 15.95 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K1407AF	PID	MiniRae	N/A 104517 (MAL FUNC)
Turbidity Meter	LaMotte	SN-ME 10624	Filter Apparatus	Disposable	~~N/A~~
Water Level Meter	~~Heron-style~~	Envirco 13952	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646H001

Sample Date: 11/15/06 Time: 1035

Middle of Saturated Screen

Sample Depth (ft. below TOC): 12.2

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

Done? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: [signature] Date: 11/17/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: N. COOK, H. LEUNG, L JOHNSON
Date: 11/15/06
Well ID: 1R07MW19A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
PID MALFUNCTION SO NOT USED

GENERAL COMMENTS:
TD 15.97
DTW 8.37
24.34/2 = 12.17 PUMP

Reviewed by: [signature]
Date: 11/22/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: ~~1R07MW19A1~~ 1R07MW20A1 yee PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: N/A inches

Size and number of bolts on vault cover: ~~1 1/2 bolt and it was stripped~~ yee 3/4"
Specific wrench required? YES/NO (describe): 3/4"
Difficulty opening? YES/NO (describe): ~~bolt was stripped~~ yee FENCE/COMBO
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: ~~1R07MW19A1~~ 1R07MW20A1 yee Internal Well ID: ~~1R07MW19A1~~ 1R07MW20A1 yee

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Yes and Good
Vault lid, rubber seal, and vault: Good condition
Protective casing and cover: Good
Well cap: ~~Good, but was over by a car so was hard to open~~ yee
PVC/inner casing: Good
Odor or staining? (describe): Rusty
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): ~~Black Mark to the North~~ yee NO
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC N/A inches
Depth to bottom of well: ~~15.95 ft.~~ ~~15.95~~ feet 23.57 Obstructions?: NO
Immiscible phases present? YES/NO If yes, describe (including thickness): ____
Photograph taken: YES/NO ~~15.97~~ yee

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Describe unusual conditions: None

Maintenance performed: None

Recommended repairs: ~~New bolts~~ yee N/A

Well Inspected by: Nicola E Cook

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: ~~1R07MW19A~~ 1R07MW204	Day of Week: Wednesday	Date: 11/15/06
Personnel: H. Tang, N. Cook, J. Johnson	Initial depth to water: ~~7.88.37~~ 7.82 ft. below top of casing	

Organic Vapor Concentrations

PID Top of Casing: N/A Background: N/A

Landfill Gas Meter (if applicable to well) LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	±3% Specific Conductivity (mS/cm)	±10% or 0.2 Dissolved Oxygen (mg/L)	±0.2 pH	Oxidation Reduction Potential	Turbidity (NTU)
1128	500	0	7.91						
1130	500	1000	7.92	19.15	24.13	3.81	7.02	156.9	3.42
1132	500	2000	7.93	19.56	24.23	3.67	7.03	154.7	4.05
1134	500	3000	7.94	19.68	24.23	3.66	7.03	154.9	4.05
1136	500	4000	7.96	19.75	24.22	3.61	7.04	155.4	3.55
1138	500	5000	7.96	19.82	24.18	3.69	7.04	156.1	2.06
1140	500	6000	7.97	19.95	24.13	3.74	7.04	157.4	0.44
1142	500	7000	7.97	20.02	24.13	3.72	7.04	157.5	0.37
1144	500	8000	7.99	20.02	24.11	3.79	7.04	157.6	0.43
—	—	SAMPLED	—	—	OK	OK	OK	—	—

After Sampling Depth to Bottom of Well: 23.55 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K1407AF	PID	MiniRae	N/A 104517 (MAL RUN)
Turbidity Meter	LaMotte	SN-ME 10624	Filter Apparatus	Disposable	N/A
Water Level Meter	~~Heron style~~	13952 Enviro	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646H002

Sample Date: 11/15/06 Time: 1150

Middle of Saturated Screen

Sample Depth (ft. below TOC): 12.2

Method of Extraction: ✓ Submersible Pump

Method of Sampling: ✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: Alison Fleming Date: 11/17/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: N. COOK, H. LEUNG, L. JOHNSON
Date: 11/15/06
Well ID: 1R07MW20A1

SAMPLING/WELL LOCATION INFORMATION:

NOW INSIDE SOIL LAYDOWN FENCED AREA - NON RAD - CONTROL 1/25

UNUSUAL EVENTS/PROBLEMS:

PID MALFUNCTION, NOT USED
INSPECTION PAGE MESSY - WELL BOOK SWITCHED

GENERAL COMMENTS:

TD 23.57
DTW 7.82
31.39/2 = 15.69 PUMP

24.18
1.03
7254
24.18
24.9054

7.82
3.93
11.75 MAX depth

23.57
- 7.82
15.75
25
7875
3150
3.93 75

Reviewed by: [signature]
Date: 11/29/06

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KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: IR07MW21A1 PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 41 inches

Size and number of bolts on vault cover: N/A
Specific wrench required? YES/(NO) (describe): ____
Difficulty opening? YES/(NO) (describe): ____
Well locked upon arrival? (YES)/NO Standing water in vault? YES/(NO) If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: ok

External Well ID: IR07MW21A1 Internal Well ID: IR07MW21A1

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: N/A
Vault lid, rubber seal, and vault: ok
Protective casing and cover: ok
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): N/A
Casing diameter in inches (Circle one): 0.75 2 (4) 6 Other ____
Casing type (Circle one): (PVC) SS Other ____ Type of well cap: (expandable) PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): black mark
Air venting hole on PVC/inner casing? YES/(NO) If yes, distance from inner TOC ____ inches
Depth to bottom of well: 20.00 feet Obstructions?: None
Immiscible phases present? YES/(NO) If yes, describe (including thickness) ____
Photograph taken: YES/(NO)

Describe unusual conditions: N/A

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: N/A

Recommended repairs: N/A

Well Inspected by: Wade A Blackert

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR07MW21A1	**Day of Week:** Wednesday	**Date:** 11/15/06
Personnel: W. Blackard, D. Mccann	Initial depth to water: 14.42	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1456	500	0	14.45						
1458	500	1000	14.45	19.70	1.262	2.16	7.18	131.8	1.80
1500	500	2000	14.46	20.06	1.277	2.01	7.18	129.4	1.87
1502	500	3000	14.46	20.25	1.284	1.89	7.17	127.9	1.48
1504	500	4000	14.46	20.17	1.285	1.89	7.18	127.2	1.42
1506	500	5000	14.45	20.45	1.282	1.75	7.18	126.4	2.18
1508	500	6000	14.45	20.28	1.284	1.68	7.18	125.7	1.36
1510	500	7000	14.47	20.23	1.284	1.64	7.18	125.0	1.50
1512	500	8000	14.44	20.19	1.280	1.60	7.18	124.3	1.31

After Sampling Depth to Bottom of Well: 20.0.0 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316	PID	MiniRae	012390
Turbidity Meter	LaMotte	10420	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13961	Other:		
Pump	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646B002

Sample Date: 11/15/06 Time: 1515

Middle of Saturated Screen Sample Depth (ft. below TOC): 17.2

Method of Extraction: ✓ Submersible Pump

Method of Sampling: ✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: Patricia Walters **Date:** 11/16/06

KLEINFELDER

ADDITIONAL FIELD NOTES

Hunters Point Shipyard - San Francisco, California

Personnel: W. Blackard
Date: 11/15/06
Well ID: IR07MW21A1

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Effervescent VOA's. Poured sample out and refilled. (all 6 VOA's)

GENERAL COMMENTS:

Reviewed by: Patricia Waters
Date: 11/16/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11-15-06 WELL ID: IR07MW24A PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 36 inches

Size and number of bolts on vault cover: —
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: ok

External Well ID: 24A Internal Well ID: IR07MW24A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: ok Hay Bales & mud
Vault lid, rubber seal, and vault: ok
Protective casing and cover: ok
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): no
Casing diameter in inches (Circle one): 0.75 2 (4) 6 Other ____
Casing type (Circle one): (PVC) SS Other ____ Type of well cap: (expandable) PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC: — inches
Depth to bottom of well: 18.11 feet Obstructions?: no
Immiscible phases present? YES/NO If yes, describe (including thickness): ____
Photograph taken: YES/NO

Describe unusual conditions: none

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: none

Recommended repairs: none

Well Inspected by: J Gravesen

Monitoring Well Sampling Sheet

Sheet 1 of 1

No.: IR07MW24A	Day of Week: Wed	Date: 11-15-06
Personnel: J Grayson, B Forte	Initial depth to water: 11.89	ft. below top of casing

Organic Vapor Concentrations

Top of Casing: 0.0	Background: 0.0	Landfill Gas Meter (if applicable to well) LEL: -	Methane: - O2: -

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm) (3%)	Dissolved Oxygen (mg/L) (1.2)	pH (.2)	Oxidation Reduction Potential	Turbidity (NTU)
0912	500	0							
0914	500	1.0	11.90	18.24	1.349	2.06	7.06	46.4	1.96
0916	500	2.0	11.90	18.81	1.354	1.58	7.07	48.4	2.48
0918	500	3.0	11.90	19.21	1.355	1.34	7.08	50.8	1.77
0920	500	4.0	11.90	19.58	1.355	1.31	7.08	52.9	1.77
0922	500	5.0	11.90	19.67	1.347	1.13	7.09	54.9	1.31
0924	500	6.0	11.90	19.78	1.335	1.01	7.09	55.4	1.58
0926	500	7.0	11.90	19.89	1.313	0.84	7.10	55.3	1.65
0928	500	8.0	11.90	19.83	1.312	0.94	7.10	54.0	1.43

After Sampling Depth to Bottom of Well: 18.11 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316 AC	PID	MiniRae	12373
Turbidity Meter	LaMotte	ME 10413	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646G002

Sample Date: 11-15-06 Time: 0930

Middle of Saturated Screen

Sample Depth (ft. below TOC): 15.0

Method of Extraction:	Method of Sampling:
Submersible Pump	Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: Patricia Walters Date: 11/16/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: IR07MW25A PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 41 inches

Size and number of bolts on vault cover: N/A
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master
Condition of lock: ok

External Well ID: IR07MW25A Internal Well ID: IR07MW25A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: N/A
Vault lid, rubber seal, and vault: ok
Protective casing and cover: ok
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): N/A
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): black mark
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: ~~10.80~~ 21.80 feet Obstructions?: N/A
Immiscible phases present? YES/NO If yes, describe (including thickness): ____
Photograph taken: YES/NO

Describe unusual conditions: N/A

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: N/A

Recommended repairs: N/A

Well Inspected by: Wade A Blackl

Monitoring Well Sampling Sheet

Sheet 1 of ___

Well No.: IR07MW25A	**Day of Week:** Wednesday	**Date:** 11/15/06
Personnel: W. Blackard, P. McCann	Initial depth to water: 10.25	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1127	500	0	10.25						
1129	500	1000	10.25	18.60	2.073	1.65	7.09	118.8	3.96
1131	500	2000	10.26	19.45	2.177	0.90	7.10	117.0	~~25.0~~ 4.80 WA
1133	500	3000	10.27	19.80	2.214	0.78	7.10	117.2	4.61
1135	500	4000	10.27	19.99	2.250	0.73	7.11	118.4	3.83
1137	500	5000	10.28	20.10	2.270	0.69	7.11	119.5	4.04
1139	500	6000	10.28	20.20	2.294	0.65	7.12	120.3	4.04
1141	500	7000	10.27	20.36	2.318	0.55	7.12	121.8	3.88
1143	500	8000	10.27	20.34	2.340	0.54	7.12	123.1	3.45

After Sampling Depth to Bottom of Well: 21.80 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L231b AD	PID	MiniRae	912390
Turbidity Meter	LaMotte	10420	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13961	Other:		
Pump	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646B001

Sample Date: 11/15/06 Time: 1145

Middle of Saturated Screen Sample Depth (ft. below TOC): 16.7

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ~~NA~~ WATB Field Dupe MS/MSD? ___ Rinsate ✓

(FD) Sample Time ___ (Rinsate) Sample Time 1355

(FD) Sample Number ___ (Rinsate) Sample Number IR07EB634

QA/QC Checked by: Patricia Walters **Date:** 11/16/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: 1R07MW26-A PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 44 inches

Size and number of bolts on vault cover: None
Specific wrench required? YES/NO (describe): None
Difficulty opening? YES/NO (describe): No
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master Lock
Condition of lock: OK

External Well ID: 1R07MW26-A Internal Well ID: 1R07MW26-A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: OK
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC: — inches
Depth to bottom of well: 18.55 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness): NA
Photograph taken: YES/NO

Describe unusual conditions: None

If necessary, note discrepancies with well location represented on map and location identified in field.
Location sketch with North arrow:

Maintenance performed: None

Recommended repairs: None

Well Inspected by: April Powell / William Hilburn

* battery is low
change battery

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R07MW26A	Day of Week: Wednesday	Date: 11/15/06
Personnel: William / April	Initial depth to water: 12.02 ft. below top of casing	

Organic Vapor Concentrations

PID 0.0 Top of Casing: Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
~~1042~~ 1042	500	0	12.02						
1044	500	1000	12.00	19.71	60.01	1.44	7.01	-50.4	0.13
1046	500	2000	12.00	20.39	57.92	1.21	6.99	-48.1	0.08
1048	500	3000	12.00	20.53	57.73	1.17	7.00	-44.8	0.13
1050	500	4000	12.00	20.53	57.67	1.15	6.99	-43.1	0.11
1052	500	5000	12.00	20.45	57.56	1.09	6.99	-42.1	~~0.65~~ 2.29 *
1054	500	6000	12.00	20.33	57.57	1.03	6.99	-39.8	2.17
1056	500	7000	1200	20.17	58.04	0.93	6.98	-38.3	1.76
1058	500	8000	1200	20.17	58.35	0.86	6.98	-38.3	1.36
1100	500	9000	1200	20.18	58.44	0.85	6.99	-38.4	1.31 ~~1.37~~ 11/15/06

After Sampling
Depth to Bottom of Well: 18.56 | 18.56 ft. below TOC | Purged Dry? N

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	#2 05L231GAB	PID	MiniRae	#2 104541
Turbidity Meter	LaMotte	28658	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	Envirotech KA-2	Other:		
Pump	Grundfos RF2	H040908009 (247)	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3			
PCBs		Oil / Grease		TKN			
Pesticides		Cyanide		Salinity			
VOCs	✓	Anions		TDS			
SVOCs		Sulfide		TSS	✓		
TPH-e	✓	Dioxane					
TPH-p	✓	OP Cmpds					
Hexavalent Chromium	✓	Organo Cl Pesticides					

SAMPLE INFORMATION

Sample Number: 0646W001

Sample Date: 11/15/06 Time: 11:05

Middle of Saturated Screen 15.29

Sample Depth (ft. below TOC):

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number (Rinsate) Sample Number

QA/QC Checked by: [signature] Date: 11/21/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 112906 WELL ID: IR07MW28A PARCEL: B

Well Completion (Check one): Monument X or Flushmounted NA
If monument, height above ground or road surface: 24 inches

Size and number of bolts on vault cover: NA
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO NA
Lock brand name and lock number: master 1835
Condition of lock: missing / replaced with new lock

External Well ID: IR07MW28A Internal Well ID: IR07MW28A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: NA
Protective casing and cover: Monument
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other
Casing type (Circle one): PVC SS Other Type of well cap: expandable PVC Other
Distinct mark or notch on PVC casing? (describe/give orientation): Notch N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 17.9 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness):
Photograph taken: YES/NO

Describe unusual conditions: NON

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

took 2 pictures of well monument of grabbitt

Maintenance performed: New lock

Recommended repairs: None

Well Inspected by: DPE

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR07MW28A
Personnel: D. Eldredge / P. Candley

Day of Week: Wens.

Date: 11-29-06

Initial depth to water: 9.83 ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0 Background: 0

Landfill Gas Meter (if applicable to well)
LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1006	500	0	9.83						
1008	500	1000	9.89	17.40	0.757	2.05	6.87	-120.3	4.18
1010	500	2000	9.90	17.89	0.763	1.71	6.89	-129.3	3.88
1012	500	3000	9.90	18.30	0.780	1.52	6.91	-135.6	3.59
1014	500	4000	9.91	18.45	0.798	1.38	6.94	-137.2	4.04
1016	500	5000	9.93	18.57	0.811	1.31	6.95	-137.4	3.45
1018	500	6000	9.93	18.66	0.825	1.27	6.97	-141.5	3.29
1020	500	7000	9.93	18.65	0.840	1.32	6.98	-140.1	2.57
1022	500	8000	9.93	18.66	0.854	1.31	6.99	-140.3	2.07
					P.C 112806				

After Sampling
Depth to Bottom of Well: 17.9 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316 A17	PID	MiniRae	11993
Turbidity Meter	LaMotte	ME10529	Filter Apparatus	Disposable	yes
Water Level Meter	Heron-style	13954	Other:		
Pump	Grundfos RF2	2473	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs	✓	Oil / Grease		TKN	
Pesticides	✓	Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0648D017
112906 P.C
Sample Date: 112906 Time: 1030
Middle of Saturated Screen
Sample Depth (ft. below TOC): 13.8

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate
(FD) Sample Time ____ (Rinsate) Sample Time ____
(FD) Sample Number ____ (Rinsate) Sample Number ____

QC Checked by: [signature] Date: 11/30/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11-16-06 WELL ID: IR07MW-S-2 PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 24 inches

Size and number of bolts on vault cover: —
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: OK

External Well ID: IR07MWS-2 Internal Well ID: MWS-2

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: n/a
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): no
Casing diameter in inches (Circle one): 0.75 2 (4) 6 Other ____
Casing type (Circle one): (PVC) SS Other ____ Type of well cap: (expandable) PVC Other ____
Distinct (mark) or notch on PVC casing? (describe/give orientation): N
Air venting hole on PVC/inner casing? YES/(NO) If yes, distance from inner TOC — inches
Depth to bottom of well: 17.80 feet Obstructions?: no
Immiscible phases present? YES/(NO) If yes, describe (including thickness): —
Photograph taken: YES/(NO)

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Describe unusual conditions: JG 11/16/06
Well located approx 6 ft from edge of main road. Cars & Lg diesel trucks driving past during sampleing activities. Did not fill VOAs when vec. near by or up wind

Maintenance performed: none

Recommended repairs: none

Well Inspected by: J Graweser

Monitoring Well Sampling Sheet

Sheet 1 of 1

[illegible] 2207mw3-2	Day of Week: Thur	Date: 11-16-06
[illegible]		
[illegible] B Forte	Initial depth to water: 9.96	ft. below top of casing

Organic Vapor Concentrations

[illegible] 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: na Methane: na O2: na

Groundwater Parameters

[illegible]	Discharge Rate (mL/min)	Cumulative Volume Discharged (~~mL~~ L)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
[illegible]34	500	0							
[illegible]36	500	1.0	9.96	16.98	26.13	1.88	6.65	191.0	1.88
[illegible]	500	2.0	9.98	17.61	26.39	1.09	6.97	184.6	1.76
[illegible]40	500	3.0	9.98	18.15	26.56	0.96	7.00	172.6	1.54
[illegible]42	500	4.0	9.94	18.53	26.56	1.01	7.01	167.9	1.33
[illegible]44	500	5.0	9.93	18.97	26.46	1.08	7.02	163.2	1.48
[illegible]46	500	6.0	9.93	19.08	26.49	1.09	7.09	161.7	2.01
[illegible]48	500	7.0	9.93	19.19	26.43	1.16	7.07	159.0	1.31
[illegible]50	500	8.0	9.92	19.32	26.41	1.26	6.99	156.6	0.89

[illegible] Sampling [illegible]pth to Bottom of Well: 17.79 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

[illegible]uipment	Model	Serial Number	Equipment	Model	Serial Number
[illegible]ater Quality Meter	YSI 556	11116106 AC 05L085 0512316 AC	PID	MiniRae	104488
[illegible]bidity Meter	LaMotte	ME 10413	Filter Apparatus	Disposable	✓
[illegible]ater Level Meter	Heron-style	13956	Other:		
[illegible]mp	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3			
PCBs		Oil / Grease		TKN			
Pesticides		Cyanide		Salinity			
VOCs	✓	Anions		TDS			
SVOCs		Sulfide		TSS	✓		
TPH-e	✓	Dioxane					
TPH-p	✓	OP Cmpds					
Hexavalent Chromium	✓	Organo Cl Pesticides					

SAMPLE INFORMATION

Sample Number: 0646G005

Sample Date: 11-16-06 Time: 0952

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.9

Method of Extraction:	Method of Sampling:
Submersible Pump	Submersible Pump

QA/QC Samples:

[illegible]ne? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time 1005 (Rinsate) Sample Time ____

[illegible]D) Sample Number 0646G006 (Rinsate) Sample Number ____

[illegible]/QC Checked by: Thomas O Sawyer Date: 11/29/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: IR07MW5-4 PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 38 inches

Size and number of bolts on vault cover: None
Specific wrench required? YES/NO (describe): NO
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: OK

External Well ID: IR07MW5-4 Internal Well ID: IR07MW5-4

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: OK
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): ____
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 19.82 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
Photograph taken: YES/NO

Describe unusual conditions: None

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: None

Recommended repairs: None

Well Inspected by: William Hohmann

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R07MWS-4	**Day of Week:** Wednesday	**Date:** 11/15/06
Personnel: William & April Uchiyama	Initial depth to water: 14.85	ft. below top of casing

Organic Vapor Concentrations

PID	Landfill Gas Meter (if applicable to well)
Top of Casing: 0.0 Background: 0.0	LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1232	500	0	14.85						
1234	500	1000	14.84	18.74	19.06	1.30	6.71	-38.0	7.89
1236	500	2000	14.85	19.37	19.64	0.72	6.76	-37.7	1.19
1238	500	3000	14.85	20.05	19.89	0.75	6.77	-51.8	0.51
1240	500	4000	14.85	20.05	20.01	0.59	6.54	-55.9	7.33
1242	500	5000	14.85	20.15	20.04	0.46	6.64	-55.3	6.73
1244	500	6000	14.85	20.64	20.00	0.83	6.80	-56.4	6.75
1246	500	7000	14.79	20.66	20.03	0.79	6.80	-58.7	5.18
1248	500	8000	14.75	20.26	20.27	0.63	6.68	-59.6	2.78
1250	500	9000	14.76	20.21	20.30	0.59	6.60	-60.0	1.43

After Sampling
Depth to Bottom of Well: 19.82 | 19.82 | ft. below TOC Purged Dry? NA

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	#2 05L231GAB	PID	MiniRae	#2 104541
Turbidity Meter	LaMotte	28658	Filter Apparatus	Disposable	yes
Water Level Meter	Heron-style	Envirotech KA	Other:		
Pump	Grundfos RF2	9112 6028 H010080079	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3			
PCBs		Oil / Grease		TKN			
Pesticides		Cyanide		Salinity			
VOCs	✓	Anions		TDS			
SVOCs		Sulfide		TSS			
TPH-e	✓	Dioxane					
TPH-p	✓	OP Cmpds					
Hexavalent Chromium		Organo Cl Pesticides					

SAMPLE INFORMATION

Sample Number: 06-1611002

Sample Date: 11/15/06 Time: 1300

Middle of Saturated Screen: 18.79

Sample Depth (ft. below TOC):

Method of Extraction	Method of Sampling
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate ✓

(FD) Sample Time ____ (Rinsate) Sample Time 1443

(FD) Sample Number ____ (Rinsate) Sample Number 1R07EB635

QA/QC Checked by: M. Cook **Date:** 11/30/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: 1R-10 MW13A-1 PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: _____ inches

Size and number of bolts on vault cover: None
Specific wrench required? YES/NO (describe): Screw driver
Difficulty opening? YES/NO (describe): no screw / bolts / nuts
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: 1R10 MW13 A1 Internal Well ID: 1R-10 MW13A1

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Good
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Good
Odor or staining? (describe): Rusty
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): Black Mark to the North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from Inner TOC ____ inches
Depth to bottom of well: 19.85 feet Obstructions?: NA
Immiscible phases present? YES/NO If yes, describe (including thickness) ____
Photograph taken: YES/NO

Describe unusual conditions: None

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: None

Recommended repairs: None

Well Inspected by: Hugheny

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R10MW13A1
Personnel: H. Leung, L. Johnson

Day of Week: Wednesday
Date: 11/15/06
Initial depth to water: 6.31 ft. below top of casing

Organic Vapor Concentrations

Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1412	500	0	6.34						
1414	~~1000~~ 500 mL/min	1000	6.35	20.71	1.824	0.37	7.66	82.4	3.38
1416	500	2000	6.35	21.19	1.839	0.23	7.66	71.4	2.21
1418	500	3000	6.35	21.46	1.835	0.17	7.66	59.3	2.39
1420	500	4000	6.35	21.47	1.836	0.17	7.67	47.3	2.19
1422	500	5000	6.35	21.69	1.828	0.18	7.66	46.7	2.09
1424	500	6000	6.35	21.74	1.819	0.20	7.66	45.4	2.01
1426	500	7000	6.35	21.81	1.821	0.19	7.66	38.6	1.79
1428	500	8000	6.35	22.06	1.824	0.18	7.66	37.6	2.09

After Sampling
Depth to Bottom of Well: 19.85 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K140744	PID	MiniRae	N/A
Turbidity Meter	LaMotte	SN-ME 101624	Filter Apparatus	Disposable	N/A
Water Level Meter	~~Heron style~~ HL	Enviro 13452	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 06460001
Sample Date: 11/15/06 Time: 1436
Middle of Saturated Screen
Sample Depth (ft. below TOC): 13.15

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate
(FD) Sample Time ____ (Rinsate) Sample Time 1500
(FD) Sample Number ____ (Rinsate) Sample Number IR10EB636

QA/QC Checked by: Patricia Walters Date: 11/16/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: FR10MW14A PARCEL: ~~A~~ B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: — inches

Size and number of bolts on vault cover: 2 3/4 Both stripped
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: OK

External Well ID: none Internal Well ID: FR10MW14A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: ~~covered~~ 11/15/06 rubber seal covered with mud & sand
Protective casing and cover: na
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): some silt on inside of casing
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 19.40 feet Obstructions?: no
Immiscible phases present? YES/NO If yes, describe (including thickness): —
Photograph taken: YES/NO

Describe unusual conditions: Na

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: 11/15/06
Wiped out inside of casing ~~at~~ from 6 inches to top
Cleaned vault lid rim & seal

Recommended repairs: na

Well Inspected by: J Gravesen

Monitoring Well Sampling Sheet

Sheet 1 of __

Well No.: IR10MW14A	Day of Week: Wed	Date: 11/15/06
Personnel: J Gravesen M. Cook	Initial depth to water: 6.74	ft. below top of casing

Organic Vapor Concentrations

PID: Top of Casing: 0.0 Background: 0.6

Landfill Gas Meter (if applicable to well) LEL: pA Methane: O2:

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1418	500	0							
1420	500	1.0	6.81	18.93	1.440	1.01	7.70	150.6	2.07
1422	500	2.0	6.82	19.57	1.509	0.51	7.72	145.6	1.63
1424	500	3.0	6.82	20.08	1.508	0.33	7.74	138.4	1.66
1426	500	4.0	6.83	20.31	1.518	0.28	7.74	131.9	1.84
1428	500	5.0	6.83	20.42	1.527	0.27	7.75	122.7	1.20
1430	500	6.0	6.84	20.50	1.529	0.26	7.75	115.5	1.54
1432	500	7.0	6.84	20.46	1.532	0.26	7.75	107.4	1.33
11/15/06 1434	500	8.0	6.85	20.41	1.530	0.26	7.75	102.8	1.64

After Sampling Depth to Bottom of Well: 19.40 ft. below TOC Purged Dry? no

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L 2316 AC	PID	MiniRae	12373
Turbidity Meter	LaMotte	ME 10413	Filter Apparatus	Disposable	n/a
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646G004

Sample Date: 11-15-06 Time: 1436

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.1

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time 1500

(FD) Sample Number ____ (Rinsate) Sample Number IR10EB637

QA/QC Checked by: Patricia Walters Date: 11/16/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: 1R10MW31A1 PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: 15/16 2
Specific wrench required? YES/NO (describe): 15/16
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: master 6835
Condition of lock: OK

External Well ID: 1R10MW31A1 Internal Well ID: 1R10MW31A1

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Broken
Vault lid, rubber seal, and vault: OK
Protective casing and cover: NA
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): Blk N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 17.20 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness): NA
Photograph taken: YES/NO 5,44

Describe unusual conditions: None

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Next to excavation

Maintenance performed: None

Recommended repairs: None

Well Inspected by: Don Eldridge

Monitoring Well Sampling Sheet

Sheet 1 of 2

Well No.: LRIDMW 3i A1	Day of Week: Monday	Date: 11/15/2006
Personnel: DEldred / A Jefferson	Initial depth to water: 8.43	ft. below top of casing

Organic Vapor Concentrations

PID — Top of Casing: 0 Background: 0

Landfill Gas Meter (if applicable to well) — LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1009	500	0	8.43						
1011	500	1000	8.46	18.49	14.75	4.30	7.08	80.1	0.83
1013	500	2000	8.50	20.09	16.13	1.32	7.04	68.0	0.38
1015	500	3000	8.50	20.57	16.18	1.02	7.04	65.3	0.50
1017	500	4000	8.51	20.89	16.59	0.88	7.05	63.6	0.63
1019	500	5000	8.51	21.12	16.94	0.79	7.05	62.2	0.29
1021	500	6000	8.50	21.14	17.25	0.85	7.04	61.7	0.30
1023	500	7000	8.51	21.17	17.29	0.75	7.04	60.7	0.18
1025	500	8000	8.52	21.15	17.31	0.77	7.03	59.8	0.23

After Sampling Depth to Bottom of Well: 17.20 ft. below TOC Purged Dry? ND

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316AH	PID	MiniRae	11993
Turbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	—
Water Level Meter	Heron-style	13954	Other:		NA
Pump	Grundfos RF2	2473	Other:		NA

Groundwater Samples Collected (check all that apply)

Metals	cup x	Organotins		NH3			
PCBs		Oil / Grease		TKN			
Pesticides		Cyanide		Salinity			
VOCs	cup x	Anions		TDS			
SVOCs		Sulfide		TSS	x		
TPH-e	x	Dioxane					
TPH-p	x	OP Cmpds					
Hexavalent Chromium	x	Organo Cl Pesticides					

SAMPLE INFORMATION

Sample Number: 0646D001

Sample Date: 11/15/06 Time: 1030

Middle of Saturated Screen

Sample Depth (ft. below TOC): 12.8

Method of Extraction:	Method of Sampling:
x Submersible Pump	x Submersible Pump

QA/QC Samples:

None? X Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: Patricia Walters Date: 11/16/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: D Eldridge
Date: 11/15/2006
Well ID: UR 10MW 31A1

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Excavation near well

GENERAL COMMENTS:

Reviewed by: Patricia Walters
Date: 11/16/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 12/5/06 WELL ID: IR10MW33A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: 15/16" x 2
Specific wrench required? YES/NO (describe): 15/16"
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: ok

External Well ID: IR10MW33A ← brass tag + painted Internal Well ID: ~~IR10MW33A~~ WAB NA
new cap ?

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: ok
Vault lid, rubber seal, and vault: ok
Protective casing and cover: NA
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): tube stained dk. gray
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): black mark
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 14.90 feet Obstructions?: none
Immiscible phases present? YES/NO If yes, describe (including thickness)
Photograph taken: YES/NO

Describe unusual conditions: NA

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: NA

Recommended repairs: NA

Well Inspected by: Wade A Blank

Monitoring Well Sampling Sheet

Sheet 1 of 2

Well No.: IR10MW33A	**Day of Week:** Tuesday	**Date:** 12/5/06
Personnel: W. Blackard, D. Mccann	Initial depth to water: 7.20	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	8.15 Depth to water (ft. below TOC)	Temperature (degrees C)	3% Specific Conductivity (mS/cm)	10% or 0.2 Dissolved Oxygen (mg/L)	0.2 pH	Oxidation Reduction Potential	Turbidity (NTU)
849	250	0	7.24						
853	250	1000	7.25	13.56	1.175	0.54	8.09	-101.8	12.1
857	250	2000	7.25	15.63	1.230	0.26	8.08	-134.2	10.61
901	250	3000	7.25	17.15	1.280	0.17	8.08	-149.2	10.85
905	250	4000	7.25	17.80	1.333	0.09	8.08	-159.8	9.55
~~909~~	~~250~~	~~5000~~							
908	—	YSI Powered off; Turned on again					—		
909	250	5000	~~7.25~~ 7.25	18.08	1.388	0.09	8.09	-162.7	8.13
913	250	6000	7.25	18.42	1.478	0.09	8.09	-166.9	8.24
917	250	7000	7.25	18.47	1.522	0.06	8.10	-166.4	7.93
921	250	8000	7.25	18.50	1.552	0.07	8.11	-172.5	7.66
925	250	9000	7.25	18.60	1.591	0.08	8.11	-179.4	7.43

After Sampling Depth to Bottom of Well: 14.90 | 14.96 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316	PID	MiniRae	012390
Turbidity Meter	LaMotte	10420	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	13961	Other:		
Pump	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓(clp)	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane	1,4 ✓		
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0649B023

Sample Date: 12/5/06 Time: 9:47

Middle of Saturated Screen

Sample Depth (ft. below TOC): 11'

Method of Extraction:	Method of Sampling
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate ✓

(FD) Sample Time ____ (Rinsate) Sample Time 1040

(FD) Sample Number ____ (Rinsate) Sample Number IR10EB677

QA/QC Checked by: [signature] **Date:** 12/6/06

Monitoring Well Sampling Sheet

Sheet 2 of 2

Well No.: IR10MW33A	Day of Week: Tuesday	Date: 12/5/06
Personnel: W. Blackard, D. Mccann	Initial depth to water: 7.20 ft. below top of casing	

Organic Vapor Concentrations

PID — Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well) — LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	3% Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
		0							
929	250	10,000	7.25	18.76	1.667	0.05	8.11	-181.5	7.47
933	250	11,000	7.25	18.79	1.714	0.06	8.12	-182.7	6.50
937	250	12,000	7.26	18.88	1.767	0.05	8.12	-185.6	6.92
941	250	13,000	7.26	18.99	1.820	0.04	8.13	-187.0	6.22
945	250	14,000	7.27	18.98	1.853	0.05	8.13	-182.6	5.56

After Sampling Depth to Bottom of Well: 14.96 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316	PID	MiniRae	012390
Turbidity Meter	LaMotte	10420	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	13961	Other:		
Pump	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	clp	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane	1,4		
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0649B023

Sample Date: 12/5/06 Time: 947

Middle of Saturated Screen

Sample Depth (ft. below TOC): 11

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate ✓

(FD) Sample Time ____ (Rinsate) Sample Time 1040

(FD) Sample Number ____ (Rinsate) Sample Number IR10GR677

QA/QC Checked by: [signature] **Date:** 12/6/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: W. Blackard
Date: 12/5/06
Well ID: IR10MW32A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

GENERAL COMMENTS:

Equip in shade whole time.
~~Silty~~ Silty bottom of well
WAB

Reviewed by: [signature]
Date: 12/6/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/16/06 WELL ID: 1R10MW59A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: N/A inches

Size and number of bolts on vault cover: 2 3/4 bolts
Specific wrench required? YES/NO (describe): 3/4
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: 1R10MW59A Internal Well ID: 1R10MW59A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Good
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Good
Odor or staining? (describe): Bird droppings
Casing diameter in inches (Circle one): 0.75 2 4 6 Other____
Casing type (Circle one): PVC SS Other____ Type of well cap: expandable PVC Other____
Distinct mark or notch on PVC casing? (describe/give orientation): Black mark to the North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC: NA inches
Depth to bottom of well: 17.89 feet Obstructions?: NA
Immiscible phases present? YES/NO If yes, describe (including thickness):
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Describe unusual conditions: Smells and alot of bird droppings

Maintenance performed: None

Recommended repairs: Clean

Well Inspected by: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R10MW59A	Day of Week: Thursday	Date: 11/16/06
Personnel: H. Lem, L. Thorson	Initial depth to water: 9.61	ft. below top of casing

Organic Vapor Concentrations

PID
Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	* Specific Conductivity (mS/cm)	* Dissolved Oxygen (mg/L)	* pH	Oxidation Reduction Potential	Turbidity (NTU)
1240	300	0	9.62						
1243	300	900	9.92	15.81	1.055	1.74	7.93	-189.2	2.37
1246	300	1800	10.05	16.17	1.061	0.69	7.91	-205.1	1.51
1249	300	2700	10.11	16.69	1.063	0.53	7.91	-205.9	2.75
1252	300	3600	10.19	17.15	1.061	0.47	7.89	-197.4	2.66
1254	400	4400	10.23	17.64	1.060	0.34	7.87	-204.2	2.71
1256	400	5200	10.31	18.27	1.063	0.37	7.84	-211.3	6.59
1258	400	6000	10.36	18.40	1.062	0.32	7.83	-203.9	7.25
1300	400	6800	10.39	18.33	1.062	0.33	7.83	-197.7	6.29
1302	400	7600	10.42	18.17	1.062	0.35	7.83	-198.6	5.70
1304	400	8400	10.45	18.17	1.063	0.35	7.83	-195.6	4.41

After Sampling Depth to Bottom of Well: 17.88 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K1407AK	PID	MiniRae	KA3
Turbidity Meter	LaMotte	SN ME 10624	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	13752	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646H005

Sample Date: 11/16/06 Time: 1315

Middle of Saturated Screen HL 11/16/06

Sample Depth (ft. below TOC): ~~14.1~~ 13.75

Method of Extraction:	Method of Sampling:
✓ Submersible Pump.	✓ Submersible Pump

QA/QC Samples:

None? X Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number (Rinsate) Sample Number

QA/QC Checked by: [signature] Date: 12/11/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 12/5/06 WELL ID: IR10MW61A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: ____ inches

Size and number of bolts on vault cover: 2 3/4
Specific wrench required? YES/NO (describe): 3/4
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: IR10MW61A Internal Well ID: IR10 MW61A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Good
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Good
Odor or staining? (describe): Muddy
Casing diameter in inches (Circle one): 0.75 2 4 6 Other____
Casing type (Circle one): PVC SS Other____ Type of well cap: expandable PVC Other____
Distinct mark or notch on PVC casing? (describe/give orientation): Black mark to the North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 70.92 feet Obstructions?: N/A
Immiscible phases present? YES/NO If yes, describe (including thickness)
Photograph taken: YES/NO

Describe unusual conditions: N/A

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: N/A

Recommended repairs: N/A

Well Inspected by: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1P10MW06A	Day of Week: Tuesday	Date: 12/5/06
Personnel: H. Lang + L. Johnson	Initial depth to water: 6.49	ft. below top of casing

Organic Vapor Concentrations

PID — Top of Casing: 0.5 Background: 0.5

Landfill Gas Meter (if applicable to well) — LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Max: 8.87 Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
0852	500	0	6.54						
0854	500	1000	6.69	16.82	1.306	3.36	7.48	167.3	4.13
0856	500	2000	6.91	17.32	1.311	3.13	7.58	171.1	3.05
0858	500	3000	7.16	18.47	1.321	3.04	7.69	175.6	3.48
ML 12/6 ~~0800~~ 0900	500	4000	7.42	18.99	1.326	2.90	7.72	177.7	3.00
0902	500	5000	7.63	19.22	1.327	2.83	7.74	177.8	3.35
0904	500	6000	7.82	19.39	1.327	2.78	7.75	177.0	2.29
0906	500	7000	7.97	19.51	1.328	2.59	7.76	176.2	1.22
0908	500	8000	8.05	19.56	1.328	2.62	7.75	174.7	2.45
0910	500	9000	8.19	19.58	1.327	2.60	7.75	173.9	3.25

After Sampling Depth to Bottom of Well: ML 12/6 ~~+4~~ 20.92 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K 140 7AE	PID	MiniRae	110-002447
Turbidity Meter	LaMotte	SN ME 110624	Filter Apparatus	Disposable	N/A
Water Level Meter	Heron-style	Enviro 13952	Other:		
Pump	Grundfos RF2	4D240 9080100	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0649H015

Sample Date: 12/5/06 Time: 0915

Middle of Saturated Screen

Sample Depth (ft. below TOC): 15.96

Method of Extraction: ✓ Submersible Pump

Method of Sampling: ✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe (MS/MSD? ✓ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: [signature] Date: 12/14/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: Harry Lenz & LaToya Johnson
Date: 12/5/06
Well ID: 1R10MW 61A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Although We didn't exceed the drawdown (=8.87 ft) but the drawdown Rate for this sampling was a lot faster than the previous 3 quarters.

GENERAL COMMENTS:

Reviewed by: [signature]
Date: 12/6/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 12/5/06 WELL ID: IR10MW62A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: ____ inches

Size and number of bolts on vault cover: 2-bolt holes on lid missing both bolts
Specific wrench required? YES/NO (describe): 5/16
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: ? Covered with wet mud Internal Well ID: IR10MW62A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: good
Vault lid, rubber seal, and vault: good
Protective casing and cover: good
Well cap: frozen
PVC/inner casing: good
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): Yes Lineth on north side
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 20.57 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
Photograph taken: YES/NO

Describe unusual conditions: None

If necessary, note discrepancies with well location represented on map and location identified in field

Location sketch with North arrow:

Maintenance performed: None

Recommended repairs: None

Well Inspected by: William Tchuzgus

Monitoring Well Sampling Sheet

Sheet 1 of 2

Well No.: I-610MW62A	Day of Week: Tuesday	Date: 12/5/06
Personnel: William Ichiyama / Renee Jones	Initial depth to water: 6.49	ft. below top of casing

Organic Vapor Concentrations

PID 0.2 to 0.3 Top of Casing: Background: 0.2 to 0.3

Landfill Gas Meter (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
8.53	200	0	6.49						
858	200	1000	6.56	17.85	8.210	0.92	7.48	-120.9	8.41
901	300	1900	6.59	19.08	8.395	0.60	7.48	-127.0	9.70
904	300	2800	6.60	19.68	8.792	0.56	7.49	-132.6	9.51
907	300	3700	6.60	19.90	9.094	0.50	7.49	-135.2	8.70
910	300	4600	6.59	19.90	9.523	2.50	7.46	-137.4	12.5
913	300	5500	6.66	19.97	10.66	0.67	7.44	-140.9	10.93
916	300	6400	6.60	19.73	10.78	0.78	7.45	-139.6	10.28
919	300	7300	6.60	20.13	11.68	-1.48	7.40	-141.1	9.40
922	300	8200	6.61	20.48	12.02	0.20	7.38	-141.2	9.64
925	300	9100	6.60	20.71	12.43	0.17	7.37	-144.5	8.25
928	300	10,000	6.60	20.95	13.14	0.29	7.34	-143.9	10.53

After Sampling Depth to Bottom of Well: 20.57 ft. below TOC Purged Dry? NA

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L231GAB	PID	MiniRae	104541
Turbidity Meter	LaMotte	10424	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	KA-2	Other:		
Pump	Grundfos RF2	2476	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0649W027

Sample Date: 12/5/06 Time: 950

Middle of Saturated Screen

Sample Depth (ft. below TOC): 15.79

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe ✓ MS/MSD? ____ Rinsate

(FD) Sample Time 955 (Rinsate) Sample Time ____

(FD) Sample Number 0649W028 (Rinsate) Sample Number ____

QA/QC Checked by: [signature] Date: 12/6/06

20.57 13

Monitoring Well Sampling Sheet

Sheet 2 of 2

Well No.: IR10MW67A	Day of Week: Tuesday	Date: 12/5/06
Personnel: William Uchiyama / Renee Vera	Initial depth to water: 6.77	ft. below top of casing

Organic Vapor Concentrations

PID 0.2 to 0.3 Top of Casing: Background: 0.2 to 0.3

Landfill Gas Meter (if applicable to well)

LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
~~9~~		0							
931	300	10,900	6.60	20.67	13.16	0.44	7.35	-142.9	10.76
934	300	11,800	6.70	21.69	13.16	0.48	7.34	-141.9	8.59
937	300	12,700	6.63	22.33	12.25	0.31	7.37	-143.7	8.96
940	300	13,600	6.62	22.15	14.40	0.33	7.29	-141.1	9.84
943	300	14,500	6.59	21.69	14.67	0.33	7.29	-138.9	~~10.0~~ 9.88

After Sampling Depth to Bottom of Well: 20.57 ft. below TOC Purged Dry? NA

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L223164B	PID	MiniRae	104541
Turbidity Meter	LaMotte	10424	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	RA-2	Other:		
Pump	Grundfos RF2	2476	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0649W027

Sample Date: 12/5/06 Time: 950

Middle of Saturated Screen

Sample Depth (ft. below TOC): 15.79

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe ✓ MS/MSD? ____ Rinsate

(FD) Sample Time 955 (Rinsate) Sample Time ____

(FD) Sample Number 0649W028 (Rinsate) Sample Number ____

QA/QC Checked by: [signature] Date: 12/6/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: William Uchiyama
Date: 12/5/06
Well ID: IR10MW62A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Flow keeps dropping, Flow bead bouncing up and down need to keep stopping pump No stabilization occurring

GENERAL COMMENTS:
pump set at 200ml = cap = 200ml

Reviewed by: [signature]
Date: 12/6/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/16/06 WELL ID: 1R10MW71A PARCEL: B

Well Completion (Check one): Monument ___ or Flushmounted ✓
If monument, height above ground or road surface: N/A inches

Size and number of bolts on vault cover: 0 bolts
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: 1R10MW71A Internal Well ID: 1R10MW71A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Good
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Good
Odor or staining? (describe): Rust
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ___
Casing type (Circle one): PVC SS Other ___ Type of well cap: expandable PVC Other ___
Distinct mark or notch on PVC casing? (describe/give orientation): Black mark to the North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ___ inches
Depth to bottom of well: 23.92 feet Obstructions?: N/A
Immiscible phases present? YES/NO If yes, describe (including thickness)
Photograph taken: YES/NO

Describe unusual conditions: None

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: None

Recommended repairs: Needs 2 3/4 bolts

Well Inspected by: [signature]

9A

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR10MW171A	**Day of Week:** Thursday	**Date:** 11/16/06
Personnel: H. Leung · L. Johnson	Initial depth to water: 10.14	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 1.9 ppm Background: 1.1 0.0 ppm HL 12/11/06

Landfill Gas Meter (if applicable to well) LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1407	500	0	10.21		✓	✓	✓		
1409	500	1000	10.22	16.38	1.379	1.88	7.76	-42.0	7.25
1411	500	2000	10.22	16.76	1.544	0.54	7.67	-40.1	8.40
1413	500	3000	10.22	17.30	1.610	0.40	7.66	-41.3	6.60
1415	500	4000	10.22	17.53	1.616	0.31	7.67	-43.3	7.27
1417	500	5000	10.23	17.67	1.612	0.26	7.67	-43.5	6.37
1419	500	6000	10.23	17.75	1.602	0.24	7.68	-50.6	5.47
1421	500	7000	10.23	17.77	1.596	0.26	7.68	-56.8	5.92
1423	500	8000	10.24	17.79	1.589	0.24	7.69	-63.1	4.91

After Sampling Depth to Bottom of Well: 23.92 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K1407AF	PID	MiniRae	PID KA3
Turbidity Meter	LaMotte	SN ME 10624	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	15952 ENVIRO	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646H006

Sample Date: 11/16/06 Time: 1440

Middle of Saturated Screen 19.00

Sample Depth (ft. below TOC): 17.05 HL 11/11

Method of Extraction: Submersible Pump ✓

Method of Sampling: Submersible Pump ✓

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time 1450 (Rinsate) Sample Time 1515

(FD) Sample Number 0646H007 (Rinsate) Sample Number IR10EB639

QA/QC Checked by: [signature] Date: 12/11/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: Harry Leung
Date: 11/16/06
Well ID: 1B10MW71A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

GENERAL COMMENTS:

24 10.14
10.14
2(3.54.14
17.0452

Reviewed by: [signature]
Date: 12/11/06

11

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/16/06 WELL ID: 1R10MW76A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: ____ inches

Size and number of bolts on vault cover: 0 bolts
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: Good

External Well ID: 1R10MW76A Internal Well ID: 1R10MW76A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Good
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Good
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): Back to the North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 19.63 feet Obstructions?: N/A
Immiscible phases present? YES/NO If yes, describe (including thickness):
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field.
Location sketch with North arrow:

Describe unusual conditions: None

Maintenance performed: None

Recommended repairs: Need bolts

Well Inspected by: [signature]

9A

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R10MW76A	Day of Week: Thursday	Date: 11/16/06
Personnel: H. Leary, L. Jamson	Initial depth to water: 9.7 ft. below top of casing	

Organic Vapor Concentrations

PID
Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1053	500	0	10.05						
1055	500	1000	10.09	16.39	0.931	2.14	8.03	86.2	5.69
1057	500	2000	10.13	17.19	0.932	0.91	8.08	-5.7	5.15
1059	500	3000	10.15	17.48	0.932	0.74	8.08	-30.5	5.66
1101	500	4000	10.18	17.51	0.933	0.64	8.09	-32.3	6.85
1103	500	5000	10.23	17.46	0.932	0.58	8.09	-35.4	8.99
1105	500	6000	10.31	17.45	0.929	0.62	8.09	-42.8	5.27
1107	500	7000	10.34	17.46	0.928	0.56	8.09	-50.7	4.56
1109	500	8000	10.39	17.47	0.926	0.53	8.09	-57.9	5.90

After Sampling Depth to Bottom of Well: 19.63 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K1407AF	PID	MiniRae	KA
Turbidity Meter	LaMotte	SNNE16624	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	13552	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646H004
Sample Date: 11/16/06 Time: 1114
Middle of Saturated Screen
Sample Depth (ft. below TOC): 19.85

Method of Extraction:	Method of Sampling:
Submersible Pump	Submersible Pump

QA/QC Samples:

Done? ____ Field Dupe MS/MSD? ✓ Rinsate
(FD) Sample Time ____ (Rinsate) Sample Time ____
(FD) Sample Number (Rinsate) Sample Number

QA/QC Checked by: Alvaro Yanez Date: 11/17/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: 1R10mw79A PARCEL: B.

Well Completion (Check one): Monument ____ or Flushmounted X
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: 3/4 3 Nuts
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: 6835 master
Condition of lock: OK

External Well ID: None Internal Well ID: 1R10mw79A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: OK
Protective casing and cover: None
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe):
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 20.90 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
Photograph taken: YES/NO 642

If necessary, note discrepancies with well location represented on map and location identified in field

Location sketch with North arrow:

Describe unusual conditions: None

Maintenance performed: None

Recommended repairs: None

Well Inspected by: [signature]

12A

Monitoring Well Sampling Sheet

Sheet 1 of 2

ell No.: 1R10MW79A	Day of Week: Monday	Date: 11/15/06
ersonnel: D Eldridge / J Gronvson, B Forte	Initial depth to water: 6.42	ft. below top of casing:

Organic Vapor Concentrations

PID: of Casing: 0 Background: 0

Landfill Gas Meter (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	10.07 Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
345	300	0	6.55						
348	300	900	6.70	19.34	0.599	3.69	7.82	92.3	1.67
351	300	1800	7.00	20.39	0.606	2.76	7.84	71.2	1.61
354	300	2700	7.20	20.91	0.578	2.95	7.83	68.6	1.60
357	300	3600	7.40	21.23	0.558	2.82	7.83	71.4	2.00
400	300	4500	7.51	21.26	0.555	2.77	7.82	76.4	1.91
403	300	5400	7.60	21.35	0.555	2.80	7.82	77.1	1.78
406	300	6300	7.64	21.34	0.555	2.75	7.83	72.3	1.78
409	300	7200	7.70	21.23	0.555	2.67	7.83	71.9	1.14
412	300	8100	7.79	21.02	0.556	2.67	7.83	68.5	1.63
415	300	9000	7.80	21.21	0.555	2.48	7.83	66.1	1.34
418	300	9900	7.84	21.43	0.555	2.45	7.83	65.5	1.46

er Sampling
epth to Bottom of Well: 20.90 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
ater Quality Meter	YSI 556	05L2316AH	PID	MiniRae	11993
rbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	—
ater Level Meter	Heron-style	1394	Other:		—
mp	Grundfos RF2	247.3	Other:		—

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3			
PCBs		Oil / Grease		TKN			
esticides		Cyanide		Salinity			
VOCs	✓	Anions		TDS			
SVOCs		Sulfide		TSS			
TPH-e		Dioxane					
TPH-p		OP Cmpds					
avalent		Organo Cl					
romium		Pesticides					

SAMPLE INFORMATION

Sample Number: B0460002

Sample Date: 11/15/06 Time: 1445

Middle of Saturated Screen

Sample Depth (ft. below TOC): 16.7

Method of Extraction:	Method of Sampling:
X Submersible Pump	X Submersible Pump

QA/QC Samples:

e? ____ Field Dupe MS/MSD? ____ Rinsate

FD) Sample Time ____ (Rinsate) Sample Time 1500

) Sample Number ____ (Rinsate) Sample Number ~~1R10EB0638~~ 1R10EB638

QC Checked by: Patricia Walker Date: 12/4/06

Monitoring Well Sampling Sheet

Sheet 2 of 2

Well No.: 1RI0MW0 79A	Day of Week: Monday	Date: 11/15/06
Personnel:	Initial depth to water: 6.42	ft. below top of casing

Organic Vapor Concentrations

PID — Top of Casing: 0 — Background: 0

Landfill Gas Meter (if applicable to well) — LEL: NA — Methane: NA — O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
—	—	0	—						
1421	300	10,800	7.91	21.46	0.555	2.36	7.82	67.1	1.84
1424	300	11,700	7.93	21.63	0.558	2.33	7.83	66.7	1.16
1427	300	12600	8.00	21.32	0.558	2.23	7.83	69.0	1.00
~~1500~~ 1430	300	13500	8.11	21.28	0.559	2.20	7.83	68.6	0.88
1433	300	14400	8.15	21.30	0.558	2.24	7.83	67.9	1.14

After Sampling Depth to Bottom of Well: 20.90 ft. below TOC — Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316 A1+	PID	MiniRae	11992
Turbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	13954	Other:		—
Pump	Grundfos RF2	2473	Other:		—

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	X	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646D00

Sample Date: 11/15/06 Time:

Middle of Saturated Screen

Sample Depth (ft. below TOC):

Method of Extraction: Method:

X Submersible Pump Submersible

QA/QC Samples:

FD? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time 1500

(FD) Sample Number ____ (Rinsate) Sample Number 1RI0EB638

QC Checked by: Patricia Walters Date: [illegible]

PW 12/11/06 13-14

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 12/4/06 WELL ID: IR10MW80A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: 3/4" x 2
Specific wrench required? YES/NO (describe): 3/4"
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: ok

External Well ID: IR10MW80A Internal Well ID: IR10MW80A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: ok
Vault lid, rubber seal, and vault: ok, no seal
Protective casing and cover: NA
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): none
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): black marks
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 20.02 feet Obstructions?: none
Immiscible phases present? YES/NO If yes, describe (including thickness):
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Describe unusual conditions: tube down ~4' in well; fished out w/ pump

Maintenance performed: added ~4' small dia. tubing for length; added string from tubing to well cap.

Recommended repairs: none

Well Inspected by: Wade A Blackert

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR10MW80A
Personnel: W. Blackard, D. McCann
Day of Week: Monday
Date: 12/4/06
Initial depth to water: 6.30 ft. below top of casing

Organic Vapor Concentrations

PID
Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	8.60 Depth to water (ft. below TOC)	Temperature (degrees C)	3% Specific Conductivity (mS/cm)	10% or 0.2 Dissolved Oxygen (mg/L)	0.2 pH	Oxidation Reduction Potential	Turbidity (NTU)
1354	500	0	6.39						
1356	500	1000	6.60	19.35	0.830	2.39	8.03	126.7	1.37
1358	500	2000	6.77	19.80	0.834	2.28	8.03	125.9	1.24
1400	500	3000	6.82	20.16	0.835	2.22	8.04	125.5	2.04
1402	500	4000	6.92	20.37	0.836	2.21	8.04	125.3	1.33
1404	500	5000	7.03	20.46	0.837	2.18	8.04	124.9	1.28
1406	500	6000	7.10	20.51	0.837	2.17	8.04	124.1	1.29
1408	500	7000	7.18	20.54	0.838	2.15	8.04	123.6	1.21
1410	500	8000	7.28	20.56	0.839	2.10	8.04	123.1	1.26

After Sampling Depth to Bottom of Well: 20.02 | 20.02 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316	PID	MiniRae	012390
Turbidity Meter	LaMotte	10420	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	13961	Other:		
Pump	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0649B019
Sample Date: 12/4/06 Time: 1412
Middle of Saturated Screen Sample Depth (ft. below TOC): 15.5

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe ✓ MS/MSD? ____ Rinsate
(FD) Sample Time 1418 (Rinsate) Sample Time ____
(FD) Sample Number 0649B014 (Rinsate) Sample Number ____

QA/QC Checked by: [signature] Date: 12/5/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: W. Blackard
Date: 12/4/06
Well ID: IR10MW8CA

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Lots of construction traffic!
Smooth drum compactor operating 20'-30' to the NE.

GENERAL COMMENTS:
Equip. in the sun for the duration of work.

Reviewed by: [signature]
Date: 12/5/06

KLEINFELDER

MONITORING WELL INSPECTION FORM

Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/15/06 WELL ID: IR18MW21A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
Monument, height above ground or road surface: — inches

Type and number of bolts on vault cover: 2 - missing
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: OK

External Well ID: ? Covered w/ mud Internal Well ID: IR18MW21A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Covered with imported ~~fill~~ fill to approx 1 ft
Vault lid, rubber seal, and vault: OK Covered with silt
Protective casing and cover: n/a
Well cap: covered with silt
PVC/inner casing: top of casing has crack
Odor or staining? (describe): muddy brown stain down casing
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): ~N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 18.95 feet Obstructions?: no
Immiscible phases present? YES/NO If yes, describe (including thickness): —
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Describe unusual conditions: see pg 15 of back

Maintenance performed: none

Recommended repairs: chg to pedestal/monument well

Well Inspected by: J Gravesen

Monitoring Well Sampling Sheet

Sheet 1 of 2

Well No.: FR18MW21A	Day of Week: Wed	Date: 11/15/06
Personnel: J Gravesen B Forté	Initial depth to water: 15.03	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: N/A Methane: O2:

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC) 16.01	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1047	500	0							
1049	500	1.0	15.25	17.86	0.167	1.36	7.63	57.0	1166
1051	500	2.0	15.29	18.17	0.162	0.39	7.29	69.8	710
1053	500	3.0	15.30	18.41	0.165	0.36	7.21	71.4	432
1055	500	4.0	15.31	18.63	0.176	0.32	7.10	72.6	331
1057	500	5.0	15.31	18.81	0.194	0.29	7.12	76.2	308
1059	500	6.0	15.31	19.08	0.225	0.25	6.97	77.4	260
1101	500	7.0	15.32	19.30	0.250	0.26	6.96	76.1	223
1103	500	8.0	15.32	19.41	0.294	0.30	6.97	73.4	188
1105	500	9.0	15.32	19.51	0.307	0.32	6.98	70.2	148
1107	500	10.0	15.32	19.49	0.346	0.29	6.99	68.0	141
1109	500	11.0	15.32	19.65	0.364	0.27	7.00	68.9	131

After Sampling Depth to Bottom of Well: 18.95 ft. below TOC Purged Dry? no

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316	PID	MiniRae	12373
Turbidity Meter	LaMotte	ME 10413	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs	✓	Oil / Grease		TKN	
Pesticides	✓	Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 06GG003

Sample Date: 11/15/06 Time: 1117

Middle of Saturated Screen

Sample Depth (ft. below TOC): 17.0'

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number (Rinsate) Sample Number

QA/QC Checked by: [signature] Date: 11/17/06

Monitoring Well Sampling Sheet

Sheet 2 of 2

No.: FR18MW21A	Day of Week: Wed	Date: 11-15-06
Personnel: JGravesen B Forte	Initial depth to water:	ft. below top of casing

Organic Vapor Concentrations

of Casing:	Background: See Page 1	**Landfill Gas Meter** (if applicable to well) LEL: NA Methane: O2:

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (~~mL~~ L)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
		0							
11 11	500	12.0	JG 11/15/06 15.32	19.67	0.387	0.25	7.01	69.2	114
11 13	500	13.0	15.32	19.71	0.419	0.22	7.03	58.0	101
11 15	500	14.0	15.32	19.82	0.440	0.22	7.04	48.1	87.2

After Sampling Depth to Bottom of Well: 18.95 ft. below TOC Purged Dry? no

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	See page 8	PID	MiniRae	
Turbidity Meter	LaMotte		Filter Apparatus	Disposable	
Water Level Meter	Heron-style	1/1	Other:		
Pump	Grundfos RF2		Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs		Anions	5	TDS	
SVOCs		Sulfide	PM	TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 06460003

Sample Date: 11/15/06 Time: 1117

Middle of Saturated Screen

Sample Depth (ft. below TOC): 17.0'

Method of Extraction:	Method of Sampling:
Submersible Pump	Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number (Rinsate) Sample Number

QA/QC Checked by: [signature] **Date:** 11/28/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: J Gravesen B Forte
Date: 11-15-06
Well ID: IR18MW21A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Approx 1 ft of imported fill covered the area surrounding the well. The vault lid was at the bottom of a hole approx 4 ft wide at the top and 1.5 ft wide at the bottom. (Approx the same size as the vault)

GENERAL COMMENTS:
Approx 1 ft of imported fill is covering the area around the well. Flow lines were visible in the mud where the rain water had run into the bolt holes in the vault lid. (the bolts were missing) There was ~ 1/8 inch of silt covering the well cap. The water level in the vault was ~ 1/8 - 1/4 inch below the top of the casing. There appeared to be a crack in the top of the casing and brown staining ~~bt~~ below the crack inside the casing. The color of the turbidity observed in the flow through cell appeared to be very similar to color of the soil in the vault and ~~on the vau~~ outside the vault lid.

Reviewed by: [signature]
Date: 12/17/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 12/12/06 WELL ID: IR25MW17A PARCEL: 13

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: 3/4" x 1
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: ok

External Well ID: NA Internal Well ID: IR25MW17A
& brass plate

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: ok
Vault lid, rubber seal, and vault: broken (see pic)
Protective casing and cover: no cover
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): tube stained brown
Casing diameter in inches (Circle one): 0.75 2 4 6 Other____
Casing type (Circle one): PVC SS Other____ Type of well cap: expandable PVC Other____
Distinct mark or notch on PVC casing? (describe/give orientation): black mark
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 20.00 feet Obstructions?: none
Immiscible phases present? YES/NO If yes, describe (including thickness):
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Describe unusual conditions: vault lid broken into 4 pieces

Maintenance performed: NA

Recommended repairs: Replace protective cover and vault lid.

Well Inspected by: Wade A Blackwell

Monitoring Well Sampling Sheet

Sheet 1 of 2

Well No.: IR25MW17A	**Day of Week:** Tuesday	**Date:** 12/12/06
Personnel: W. Blackard, D. Mccann	Initial depth to water: 6.70	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0	**Landfill Gas Meter** (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	8.38 Depth to water (ft. below TOC)	Temperature (degrees C)	37. Specific Conductivity (mS/cm)	10% or 0.2 Dissolved Oxygen (mg/L)	0.2 pH	Oxidation Reduction Potential	Turbidity (NTU)
1114	500	0	6.83						
1116	500	1000	7.00	17.06	5.215	3.42	6.90	169.0	4.33
1118	500	2000	7.20	17.84	5.475	0.78	6.85	150.6	1.63
1120.5	400	3000	7.37	18.71	WND ~~5.551~~ 5.561	1.03	6.86	139.4	1.77
1123	400	4000	7.53	19.09	5.566	0.65	6.87	135.6	1.42
1127	250	5000	7.70	19.23	5.544	0.61	6.88	136.7	1.89
1132	~~250~~ 200	6000	7.87	19.24	5.501	0.67	6.89	137.3	2.67
1137	200	7000	8.00	19.31	5.446	0.79	6.91	137.7	2.13
1142	200	8000	8.16	19.60	5.386	1.01	6.92	137.7	~~2.48~~ 3.43 WNB
1143	200	8200	8.17	19.65	5.373	1.08	6.93	138.2	2.54
1144	200	8400	8.19	19.67	5.368	1.26	6.94	138.1	2.86
1145	100	8500	8.21	19.69	5.367	1.30	6.93	138.2	3.25

After Sampling Depth to Bottom of Well: 20.00 | 20.00 ft. below TOC | Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316 AD	PID	MiniRae	012390
Turbidity Meter	LaMotte	10420	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	13961	Other:		
Pump	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 06501304 2

Sample Date: 12/12/06 Time: 1148

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.4

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate ✓

(FD) Sample Time ____ (Rinsate) Sample Time 1215

(FD) Sample Number ____ (Rinsate) Sample Number IR25EB701

QA/QC Checked by: Patrick Walters **Date:** 12/13/06

Monitoring Well Sampling Sheet

Sheet 2 of 2

Well No.: IR25MW17A	Day of Week: Tuesday	Date: 12/12/06
Personnel: W. Blackard, D. McCann	Initial depth to water: 6.70 ft. below top of casing	

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
		0							
1146	100	8600	8.22	19.70	5.367	1.35	6.93	138.3	2.18

After Sampling Depth to Bottom of Well: 20.00 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556		PID	MiniRae	
Turbidity Meter	LaMotte		Filter Apparatus	Disposable	same
Water Level Meter	Heron-style	same see pg 13	Other:		see page 13
Pump	Grundfos RF2		Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number:

Sample Date: 12/12/06 Time: 1148

Middle of Saturated Screen Sample Depth (ft. below TOC): 13.4

Method of Extraction: ✓ Submersible Pump

Method of Sampling: ✓ Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate ✓

(FD) Sample Time ____ (Rinsate) Sample Time 1215

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: Patricia Walters **Date:** 12/13/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11-16-06 WELL ID: IR26MW41A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted X
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: (2) 3/4"
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: 6835 Master Lock
Condition of lock: Good

External Well ID: No visible Covered in mud Internal Well ID: IR26MW41A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: ok
Vault lid, rubber seal, and vault: ok
Protective casing and cover: ok
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): Black North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 20.90 feet Obstructions?: NA
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
Photograph taken: YES/NO

Describe unusual conditions: NA

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: NA

Replace ID Markings

Recommended repairs: Need marking on outside & inside for ID of well (repaired)
Replace lock

Well Inspected by: [signature] / PC

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR36MW41A
Personnel: D. Eldredge / R. Conelley

Day of Week: Thurs
Date: 11-16-06

Initial depth to water: 5.25 ft. below top of casing

Organic Vapor Concentrations

PID
Top of Casing: 0 Background: 0.3

Landfill Gas Meter (if applicable to well)
LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1002	500	0	5.25						
1004	500	1000	5.46	18.58	0.505	0.98	7.24	-48.0	2.10
1006	500	2000	5.53	19.27	0.495	0.54	7.31	-188.2	1.96
1008	500	3000	5.55	19.61	0.484	0.38	7.34	-190.7	1.75
1010	500	4000	5.57	19.86	0.478	0.27	7.36	-191.1	1.98
1012	500	5000	5.58	19.91	0.477	0.23	7.36	-191.5	2.84
1014	500	6000	5.58	19.96	0.476	0.43	7.36	-189.8	2.00
1016	500	7000	5.59	20.02	0.474	0.31	7.37	-192.3	2.08
1018	500	8000	5.61	20.03	0.473	0.31	7.37	-191.4	1.42

After Sampling
Depth to Bottom of Well: 20.90 ~~20.90~~ P.C ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316AH	PID	MiniRae	11993
Turbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13954	Other:		
Pump	Grundfos RF2	2473	Other:		

Groundwater Samples Collected (check all that apply)

Metals	X	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	X	Anions		TDS	
SVOCs		Sulfide		TSS	X
TPH-e	X	Dioxane			
TPH-p	X	OP Cmpds			
Hexavalent Chromium	X	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646D003
Sample Date: 11/16/06 Time: 1025
Middle of Saturated Screen
Sample Depth (ft. below TOC): 13.45

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate
(FD) Sample Time ____ (Rinsate) Sample Time ____
FD) Sample Number (Rinsate) Sample Number

QA/QC Checked by: [signature] Date: 12/4/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: DEWalsh, PC
Date: 11/14/06
Well ID: IR34MW41A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

locks needs to be repaired.

GENERAL COMMENTS:

Reviewed by: [signature]
Date: 12/4/06

~~1R46MW46A~~
AP

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

~~46~~ AP

DATE: 11/16/06 WELL ID: IR26MW46A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: ____ inches

Size and number of bolts on vault cover: 2 Bolts 3/4"
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): No
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master
Condition of lock: good

External Well ID: IR46MW46A Internal Well ID: IR46MW46A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: OK
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): NO
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): ____
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 18.96 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
Photograph taken: YES/NO

Describe unusual conditions: None

If necessary, note discrepancies with well location represented on map and location identified in field

Location sketch with North arrow:

Maintenance performed: None

Recommended repairs: None

Well Inspected by: William Hetherington

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR26MW46A	**Day of Week:** Thursday (6.35)	**Date:** 11/16/06
Personnel: William Uchiyama / April	Initial depth to water: ~~7.32~~ AP	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1359	500	0	6.35						
1401	500	1000	6.52	19.27	7.720	9.11	7.27	-138.0	9.70
1403	500	2000	6.82	20.13	7.851	0.94	7.30	-174.0	3.94
1405	500	3000	7.02	20.49	7.815	0.52	7.31	-178.7	4.17
1407	500	4000	7.10	20.66	7.769	0.36	7.32	-182.9	5.17
1409	500	5000	7.24	20.83	7.662	0.29	7.33	-193.4	4.55
1411	500	6000	7.34	20.89	7.553	0.21	7.34	-190.9	4.90
1413	500	7000	7.43	20.89	7.457	0.17	7.34	-193.7	3.75
1415	500	8000	7.52	20.91	7.400	0.16	7.34	-194.4	4.14
1417	500	9000	7.62	20.94	7.395	0.15	7.35	-195.8	4.30

After Sampling Depth to Bottom of Well: 18.96 ~~18.94~~ ~~20.92~~ AP ft. below TOC Purged Dry? NA

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L231GAB	PID	MiniRae	104541
Turbidity Meter	LaMotte	10424	Filter Apparatus	Disposable	yes
Water Level Meter	Heron-style	KA-2	Other:		
Pump	Grundfos RF2	2476	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs	✓	Oil / Grease		TKN	
Pesticides	✓	Cyanide		Salinity	
VOCs		Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646W004

Sample Date: 11/16/02 Time: 1455

Middle of Saturated Screen Sample Depth (ft. below TOC): 12.66

Method of Extraction: ✓ Submersible Pump

Method of Sampling: ✓ Submersible Pump

QA/QC Samples:

Dupe? ____ Field Dupe MS/MSD? ____ Rinsate ✓

(FD) Sample Time ____ (Rinsate) Sample Time 1612

(FD) Sample Number ____ (Rinsate) Sample Number IR26EB640

QC Checked by: M. Cook **Date:** 11/30/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: ~~W. COOK~~ W. Lichiyan
Date: ~~12-11-06~~ 11-16-06
Well ID: 1B26MW46A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

GENERAL COMMENTS:
Has odor

Reviewed by: Patricia Walters
Date: 12/1/06

C-67

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/16/06 WELL ID: ~~IR2~~ WAB IR26MW47A PARCEL: B

Well Completion (Check one): Monument WAB ~~NA~~, or Flushmounted ✓
If monument, height above ground or road surface: N/A inches

Size and number of bolts on vault cover: WAB 3/4" x 1
Specific wrench required? YES/NO (describe): 3/4"
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: ok

External Well ID: none (covered w/ mud) Internal Well ID: IR26MW47A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: ok, covered in mud
Vault lid, rubber seal, and vault: ok
Protective casing and cover: ok
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): none
Casing diameter in inches (Circle one): 0.75 2 4 6 Other
Casing type (Circle one): PVC SS Other Type of well cap: expandable PVC Other
Distinct mark or notch on PVC casing? (describe/give orientation): black mark + notch
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC inches
Depth to bottom of well: 15.50 feet Obstructions?: none
Immiscible phases present? YES/NO If yes, describe (including thickness):
Photograph taken: YES/NO

If necessary, note discrepancies with well location represented on map and location identified in field
Location sketch with North arrow:

Describe unusual conditions: Well lid covered w/ mud. Metal detector needed to find

Maintenance performed: none

Recommended repairs: none

Well Inspected by: Wade + Blackwell

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR26MW47A	**Day of Week:** Thursday	**Date:** 11/16/06
Personnel: W. Blackard, D. McLennan	**Initial depth to water:** 5.45	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.1 Background: 0.0

Landfill Gas Meter (if applicable to well) LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	(7.96) Depth to water (ft. below TOC)	Temperature (degrees C)	37 Specific Conductivity (mS/cm)	102.0/0.2 Dissolved Oxygen (mg/L)	0.2 pH	Oxidation Reduction Potential	Turbidity (NTU)
1055	100	0	5.57						
1105	100	1000	5.62	17.55	35.58	8.88	7.34	114.7	1.16
1115	100	2000	5.66	18.03	35.62	8.30	7.37	110.0	0.54
1125	100	3000	5.81	18.61	35.79	7.88	7.38	106.7	0.84
1135	100	4000	5.85	19.07	35.83	7.75	7.38	105.3	0.43
1145	100	5000	6.01	18.95	35.81	7.54	7.38	104.2	0.18
1155	100	6000	6.11	19.12	35.79	7.20	7.38	103.2	0.05
1205	100	7000	6.20	19.62	35.74	6.88	7.38	102.6	0.12
1215	100	8000	6.25	19.84	35.76	6.66	7.38	101.6	0.36

After Sampling Depth to Bottom of Well: 15.5 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316	PID	MiniRae	012390
Turbidity Meter	LaMotte	10420	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13961	Other:		
Pump	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs	✓	Oil / Grease		TKN	
Pesticides	✓	Cyanide		Salinity	
VOCs		Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 06468004

Sample Date: 11/16/06 Time: 1217

Middle of Saturated Screen

Sample Depth (ft. below TOC): 10.5

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QA/QC Checked by: [signature] **Date:** 11/17/06

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KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 120806 WELL ID: IR06MW48A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted X
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: (2) 3/4"
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835
Condition of lock: OK

External Well ID: IR06MW 48A Internal Well ID: Same

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: OK
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): NONE
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): BLK NOTH
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 19.54 feet Obstructions?: NONE
Immiscible phases present? YES/NO If yes, describe (including thickness): NONE
Photograph taken: YES/NO

Describe unusual conditions: NONE

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: NONE

Recommended repairs: NONE

Well Inspected by: DPE

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R26MW48A	Day of Week: Fri	Date: 120806
Personnel: D. Aldredge, D. Candley	Initial depth to water: 6.05	ft. below top of casing

Organic Vapor Concentrations

PID — Top of Casing: 0 Background: 0

Landfill Gas Meter (if applicable to well) — LEL: 0 Methane: 0 O2: 0

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	8.10 Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1342	400	0	6.05						
1344	400	800	6.18	18.04	42.58	0.89	7.19	53.9	22.0
1346	400	1600	6.85	18.23	42.74	0.80	7.20	51.2	17.6
1350	250	2600	7.23	18.62	42.74	0.66	7.22	44.4	18.8
1354	250	3600	7.38	18.65	42.58	0.76	7.23	40.3	19.0
1358	250	4600	7.72	19.15	42.20	0.55	7.25	34.4	19.6
1403	200	5600	7.95	19.23	41.99	0.49	7.26	29.7	18.7
1408	200	6600	7.98	19.10	41.72	0.49	7.27	27.7	20.1
1414	200	~~7600~~ 7400 DJB 12/18	8.02	18.80	41.52	0.46	7.28	25.7	20.2
1419	200	~~8600~~ 8400 DJB 12/12	8.05	17.89	41.46	0.47	7.28	26.7	19.2

After Sampling Depth to Bottom of Well: 19.54 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316AH	PID	MiniRae	EL993
Turbidity Meter	LaMotte	ME 10557	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	13954	Other:		
Pump	Grundfos RF2	2473	Other:		

Groundwater Samples Collected (check all that apply)

Metals	X	Organotins		NH3	
PCBs	X	Oil / Grease		TKN	
Pesticides	X	Cyanide		Salinity	
VOCs		Anions		TDS	
SVOCs	X	Sulfide		TSS	X
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium	X	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0649D040

Sample Date: 120806 Time: 1420

Middle of Saturated Screen Sample Depth (ft. below TOC): 14.29

Method of Extraction: Submersible Pump

Method of Sampling: Submersible Pump

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time 1440 PC

(FD) Sample Number ____ (Rinsate) Sample Number 1R26EB696

QA/QC Checked by: [signature] Date: 12/11/06

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11/16/06 WELL ID: IR26MW49A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: N/A inches

Size and number of bolts on vault cover: 9/16" x 2
Specific wrench required? YES/NO (describe): 9/16"
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 6835 locked
Condition of lock: not operational (pulled ^ well cap open)

External Well ID: IR26MW49A Internal Well ID: IR26MW49A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: ok
Vault lid, rubber seal, and vault: ok
Protective casing and cover: ok
Well cap: ok
PVC/inner casing: ok
Odor or staining? (describe): N/A
Casing diameter in inches (Circle one): 0.75 2 4 6 Other____
Casing type (Circle one): PVC SS Other____ Type of well cap: expandable PVC Other____
Distinct mark or notch on PVC casing? (describe/give orientation): black mark
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC____inches
Depth to bottom of well: 15.0 feet Obstructions?: none
Immiscible phases present? YES/NO If yes, describe (including thickness)____
Photograph taken: YES/NO

Describe unusual conditions: well not on field maps

If necessary, note discrepancies with well location represented on map and location identified in field

Location sketch with North arrow:

Maintenance performed: replaced tubing inside well

Recommended repairs: N/A

Well Inspected by: Mark A Blank

Monitoring Well Sampling Sheet

Sheet __ of __

ell No.: IR26MW49A	Day of Week: Thursday	Date: 11/16/06
rsonnel: W. Blackard, D. McCann	Initial depth to water: 5.70	ft. below top of casing

Organic Vapor Concentrations

D
p of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: N/A Methane: N/A O2: N/A

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
934	500	0	5.64						
936	500	1000	5.63	16.29	37.10	10.31	6.88	127.3	3.03
938	500	2000	5.65	17.23	37.16	9.70	7.12	123.8	2.25
940	500	3000	5.66	17.84	37.61	9.48	7.25	124.5	1.61
942	500	4000	5.67	17.94	37.70	9.47	7.28	124.5	1.87
944	500	5000	5.65	18.04	37.87	9.27	7.31	125.0	0.68
946	500	6000	5.65	18.17	37.95	9.23	7.33	126.0	1.37
948	500	7000	5.65	18.18	38.08	9.27	7.34	126.2	2.23
950	500	8000	5.65	18.18	38.13	9.42	7.35	125.7	1.65

r Sampling
th to Bottom of Well: 15.0 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

pment	Model	Serial Number	Equipment	Model	Serial Number
r Quality Meter	YSI 556	05L2316	PID	MiniRae	012390
dity Meter	LaMotte	10420	Filter Apparatus	Disposable	✓
r Level Meter	Heron-style	13961	Other:		
P	Grundfos RF2	2456	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs	✓	Oil / Grease		TKN	
cides	✓	Cyanide		Salinity	
VOCs		Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e		Dioxane			
TPH-p		OP Cmpds			
valent	✓	Organo Cl			
mium		Pesticides	WAS		

SAMPLE INFORMATION

Sample Number: 0646B003

Sample Date: 11/16/06 Time: 0952

Middle of Saturated Screen
Sample Depth (ft. below TOC): 10.4

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

? ✓ Field Dupe MS/MSD? ____ Rinsate
FD) Sample Time _____ (Rinsate) Sample Time _____
Sample Number (Rinsate) Sample Number

QC Checked by: [signature] Date: 12/4/06

PW 13 7

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11-16-06 WELL ID: IR26MW50A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted X
If monument, height above ground or road surface: NA inches

Size and number of bolts on vault cover: (2) 1/2"
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: 6835 Master Lock
Condition of lock: good

External Well ID: IR26MW50A Internal Well ID: Same

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: OK
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): None
Casing diameter in inches (Circle one): 0.75 2 4 6 Other____
Casing type (Circle one): PVC SS Other____ Type of well cap: expandable PVC Other____
Distinct mark or notch on PVC casing? (describe/give orientation): Blk North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 14.97 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
Photograph taken: YES/NO

Describe unusual conditions: NA

If necessary, note discrepancies with well location represented on map and location identified in field

Location sketch with North arrow:

Maintenance performed: NA

Recommended repairs: NA

Well Inspected by: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of __

Well No.: IR26MW50A
Personnel: D. Eldridge / P. Candley
Day of Week: Thurs.
Date: 11-16-06
Initial depth to water: 6.25 ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0 Background: 0
Landfill Gas Meter (if applicable to well) LEL: NA Methane: NA O2: NA

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1120	500	0	6.25						
1122	500	1000	6.29	19.77	18.60	0.92	7.55	15.8	2.91
1124	500	2000	6.29	20.37	18.71	0.86	7.56	9.2	2.40
1126	500	3000	6.29	21.08	18.80	0.84	7.57	0.8	2.79
1128	500	4000	6.29	21.25	18.83	0.95	7.58	-5.3	2.14
1130	500	5000	6.29	21.29	18.82	1.04	7.58	-9.5	1.80
1132	500	6000	6.29	21.26	18.82	1.08	7.58	-10.9	1.20
1134	500	7000	6.29	21.24	18.83	1.15	7.58	-13.5	1.40
1136	500	8000	6.29	21.24	18.81	1.31	7.58	-13.1	1.21
1138	500	9000	6.29	21.30	18.77	1.27	7.58	-11.7	1.17

Sampling Depth to Bottom of Well: 14.97 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05E2316AH	PID	MiniRae	11993
Turbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	—
Water Level Meter	Heron-style	13954	Other:		NA
Pump	Grundfos RF2	2473	Other:		NA

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs	✓	Oil / Grease		TKN	
Pesticides	✓	Cyanide		Salinity	
VOCs		Anions		TDS	
SVOCs	✓	Sulfide		TSS	✓
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: C646D004
Sample Date: 11-16-06 Time: 11:45
Middle of Saturated Screen
Sample Depth (ft. below TOC): 10.6

Method of Extraction:	Method of Sampling:
✓ Submersible Pump	✓ Submersible Pump

QA/QC Samples:

✓ Field Dupe MS/MSD? ____ Rinsate
Sample Time ____ (Rinsate) Sample Time ____
Sample Number ____ (Rinsate) Sample Number ____

Reviewed by: [signature] Date: 11/17/06

PW 137

KLEINFELDER

MONITORING WELL INSPECTION FORM
Groundwater Monitoring Plan, Hunters Point Shipyard, San Francisco, California

DATE: 11-16-06 WELL ID: IR46MW37A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted ✓
If monument, height above ground or road surface: — inches

Size and number of bolts on vault cover: 1 — 15/16 1-missing
Specific wrench required? YES/NO (describe): ____
Difficulty opening? YES/NO (describe): ____
Well locked upon arrival? YES/NO Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: Master 4835
Condition of lock: OK

External Well ID: none Internal Well ID: IR46MW37A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Dirty
Vault lid, rubber seal, and vault: OK
Protective casing and cover: OK
Well cap: OK
PVC/inner casing: OK
Odor or staining? (describe): minor
Casing diameter in inches (Circle one): 0.75 2 4 6 Other ____
Casing type (Circle one): PVC SS Other ____ Type of well cap: expandable PVC Other ____
Distinct mark or notch on PVC casing? (describe/give orientation): N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 21.03 feet Obstructions?: no
Immiscible phases present? YES/NO If yes, describe (including thickness): —
Photograph taken: YES/NO

Describe unusual conditions: none

If necessary, note discrepancies with well location represented on map and location identified in field.

Location sketch with North arrow:

Maintenance performed: none

Recommended repairs: none

Well Inspected by: J Gravesen

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: FR46 MW37A	Day of Week: 11/16/06 Thur	Date: 11-16-06
Personnel: J Grawesen B Forte	Initial depth to water: 6.74	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.0 Background: 0.0	Landfill Gas Meter (if applicable to well) LEL: Methane: O2:

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (~~mL~~ L)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
		JG 11/16/06		3% JG 11/16/06	3%	.2	.2		
1126	500	0							
1128	500	1.0	6.92	18.98	1.117	1.92	8.17	103.3	3.31
1130	500	2.0	6.94	19.53	1.084	1.26	8.26	101.7	4.44
1132	500	3.0	6.97	19.97	1.086	1.10	8.29	100.5	3.38
1134	500	4.0	6.99	20.41	1.091	0.95	8.31	99.7	3.02
1136	500	5.0	7.02	20.61	1.111	0.72	8.33	98.3	3.09
1138	500	6.0	7.05	20.77	1.138	0.57	8.35	98.1	2.99
1140	500	7.0	7.07	20.85	1.160	0.50	8.36	97.7	2.83
1142	500	8.0	7.09	20.90	1.188	0.44	8.37	96.6	2.75
1144	500	9.0	7.10	20.92	1.206	0.39	8.38	95.6	2.72
1146	500	10.0	7.10	20.91	1.227	0.35	8.38	94.2	3.20
1148	500	11.0	7.11	20.92	1.236	0.33	8.38	93.9	2.85

After Sampling Depth to Bottom of Well: 21.02 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316 AC	PID	MiniRae	104488
Turbidity Meter	LaMotte	ME 10413	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	✓	Anions		TDS	
SVOCs		Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0646G007

Sample Date: 11/16/06 Time: 1150

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.9

Method of Extraction:	Method of Sampling:
Submersible Pump	Submersible Pump

QA/QC Samples:

Blank? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time ____

(FD) Sample Number ____ (Rinsate) Sample Number ____

QC Checked by: [signature] Date: 11/17/06

Appendix D.
Chain-of-Custody Forms

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 3

C.O.C. № 22985

Report to: PLEASE PRINT
Company Name: Heinfelder/CE2
Phone: 415-822-2253
Address:
Fax: 415-822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name: Heinfelder/CE2
Phone:
Address:
Fax:
Attn:

Project Name/Number: HPS/64148
Purchase Order Number:
Sampler (Print): Cynthia Rudas
Sampler (Signature): [signature]

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-P	VOCs (cdp)									
0646G001		11/14/06	1333	L	3	X											
IR30EB633		↓	1405		3	X											
0646D001		11/15/06	1030		6		X	X									
0646G002			0930		6		X	X									
0646G003			1117		6		X	X									
0646H001			1035		6		X	X									if the VOAs does not have HCl preservative; labeled NP.
0646H002			1150		6		X	X									
0646B001			1145		6		X	X									
0646W001			1105		6		X	X									
0646W002		↓	1300	↓	6		X	X									

CR 11/15/06

Shuttle Temperature: 2.5°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	11/15/06	1605					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-16-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22966

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Cynthia Ruelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-P	VOCs (cap)									Comments
IR30TB180		11/15/06	1420	L	6	X	X										Trip Blanks
IR07TB181		↓	1422	↓	6		X	X									Trip Blanks
IR07EB634		↓	1355	↓	6		X	X									
IR07EB635		↓	1443	↓	6		X	X									
0646H003		↓	1436	↓	3			X									
IR10EB636		↓	1500	↓	3			X									
0646G004		↓	1436	↓	3			X									
IR10EB637		↓	1500	↓	3			X									
0646D002		↓	1445	↓	3	X											
IR10EB638		↓	1530	↓	3	X											

CE 11/15/06

Shuttle Temperature: 2.5°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/15/06	1605					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-16-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 3 of 3

C.O.C. № 22976

Report to: PLEASE PRINT
Company Name Kleinfelder/CEZ
Address
Attn:
Phone: 415-822-1329
Fax: 415-822-2253

Invoice to: PLEASE PRINT
Company Name Kleinfelder/CEZ
Address
Attn:
Phone:
Fax:

Project Name/Number: HPS/64148
Purchase Order Number
Sampler (Print): Cynthia Rulas
Sampler (Signature): CR

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number: VOCs (dp), TPH-P

CR 11/15/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (dp)	TPH-P	Comments
06468002		11/15/06	1515	L	6	X	X	contains effervescence

CR 11/15/06

Shuttle Temperature: 25°c

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/15/06	1605					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-16-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 22983

Report to: (PLEASE PRINT)		Invoice to: (PLEASE PRINT)	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/104148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals (Cd)	Hex Chrom (7199)	TSS								
0646D001		11/15/06	1030	L	3	X	X	X								
0646G002			0930		3	X	X	X								
0646G003			1117		3	X	X	X								
0646H001			1035		3	X	X	X								
0646H002			1150		3	X	X	X								
0646B001			1145		3	X	X	X								
0646W001			1105		3	X	X	X								
0646W002			1300		3	X	X	X								
IR07EB634			1355		2	X	X									
IR07EB635		↓	1443	↓	2	X	X									

Shuttle Temperature: 2°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/15/06	1450					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11/16/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22975

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CE2	Phone: 415-822-2253	Company Name: Kleinfelder / CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
HPC/104148	Cynthia Rivelas		

Analysis Requested/Method Number: Dissolved Metals (Cd) X; Hex Chrom (7199) X; TSS X; TPH-e X; ce 11/15/06

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers
06468002		11/15/06	1515	L	5

ce 11/15/06

Shuttle Temperature: 2°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/15/06	1610					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-16-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 22986

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEZ	Phone: 415-822-2253	Company Name: Kleinfelder/CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)	CR 11/15/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e										
06461H001		11/15/06	1035	L	2	X										
06461H002			1150		2	X										
06461B001			1145		2	X										
06461W001			1105		2	X										
06461W002			1300		2	X										
			CR 11/15/06													

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5 C°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/15/06	1410					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-16-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22977

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CEZ	Phone: 415-822-2253	Company Name: Kleinfelder / CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)	CR 11/15/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e
IR07EB634		11/15/06	1355	L	2	X
IR07EB635		↓	1443	↓	2	X

CR 11/15/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/15/06	1525					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11/16/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 22967

Report to: (PLEASE PRINT)		Invoice to: (PLEASE PRINT)	
Company Name: Kleinfelder / CEZ	Phone: 415-822-2253	Company Name: Kleinfelder / CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Cynthia Rulas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	SVOCs (cp)	Pest (cp)	PCBs (cp)						
06460D001		11/15/06	1030	L	2	X									
0646GG002		↓	0930	↓	2	X									
06460G003		↓	1117	↓	5	X	X	X	X						

CE 11/15/06

CE 11/15/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2°C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/15/06	1310					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-16-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22973

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CEZ	Phone: 415-822-2253	Company Name: Kleinfelder / CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Patricia Walters		Carrier:
Purchase Order Number	Sampler (Signature) Patricia Walters		Waybill No.:
			Comments:

PW 11/16/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs-cl	TPH-p								
0646D003		11/16/06	1025	L	6	X	X								
0646G005		↓	0952	↓	6	X	X								
0646G006		↓	1005	↓	6	X	X								
0646G007		↓	1150	↓	6	X	X								
1R46TB182		↓	1400	↓	6	X	X								

PW 11/16/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	11/16/06	1500	Nicola E Cook	Nicola E Cook	11/16/06	1535	
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-17-06	800	[illegible]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 22978

Report to: PLEASE PRINT
Company Name: Kleinfelder/CE2
Phone: 415-822-2253
Address:
Fax: 415-822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name: Kleinfelder/CE2
Phone:
Address:
Fax:
Attn:

Project Name/Number: HPS/64148
Purchase Order Number:
Sampler (Print): Patricia Walters
Sampler (Signature): Patricia Walters

Date Shipped:
Carrier:
Waybill No.:
Comments: ~~diss metals were~~ field filtered

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	diss metals - clp	Hex chrom	TSS	diss metals clp*							Comments
0646D003		11/16/06	1025	L	3	X	X	X								*for As, Cr, Cu, Hg, Mn, Pb, Zn
0646D004			1145		3		X	X	X							
0646W003			1105		3		X	X	X							
0646B003			0952		3		X	X	X							
0646B004			1217		3		X	X	X							
0646G005			0952		3	X	X	X								
0646G006			1005		3	X	X	X								
0646G007			1150		3	X	X	X								
0646W004			1455		3		X	X	X							
					PW 11/16/06											

PW 11/16/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	11/16/06	1455	Nicole E Cooper	Nicole E Cooper	11/16/06	1535	
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11/17/06	800	Chris Gue

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22981

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Patricia Walters	Carrier:
Purchase Order Number	Sampler (Signature) Patricia Walters	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-G	SVOCs-dlp *	Pest-dlp **	PCBs-dlp ***							
0646G006		11/16/06	1005	L	2	X										
0646G007		↓	1150	↓	2	X										
0646W004		↓	1455	↓	4		X	X	X							

PM 11/16/06

PM 11/16/06

* SVOCs-dlp for: B(a)A, B(a)P, B(b)F, B(b)K, chrysene, D(ah)A, I(1,2,3-cd)P

** Pest-dlp for chlordane

*** PCBs-dlp for Aroclor 1260

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walter	11/16/06	1457	Nicole E Cook	Nicole E Cook	11/16/06	1535	
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11/17/06	800	Chris Gue

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 22974

Report to: (PLEASE PRINT)		Invoice to: (PLEASE PRINT)	
Company Name: Kleinfelder / CE2	Phone: 415-822-2253	Company Name: Kleinfelder / CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Patricia Walters		Carrier:
Purchase Order Number	Sampler (Signature): Patricia Walters		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs-clp *	Pest-clp **	PCBs-clp ***	TPH-e							
0646D004		11/16/06	1145	L	4	X	X	X								
0646D003		↓	1025	↓	2				X							
0646GW003		↓	1105	↓	4	X	X	X								

TW 11/16/06

TW 11/16/06

* SVOCs-clp for: B(a)A, B(a)P, B(b)F, B(b)K, chrysene, D(ah)A, I(1,2,3-cd)P

** Pest-clp for chlordane

*** PCBs-Aroclor 1260

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30 day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	11/16/06	1400					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-17-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22982

Report to: (PLEASE PRINT)		Invoice to: (PLEASE PRINT)	
Company Name: Kleinfelder/CEZ	Phone: 415-822-2253	Company Name: Kleinfelder/CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Patricia Walters	Carrier:
Purchase Order Number	Sampler (Signature) Patricia Walters	Waybill No.:
		Comments:

Analysis Requested/Method Number: SVOCs-clp*, Pest-clp**, PCBs-clp***, TPH-e

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs-clp*	Pest-clp**	PCBs-clp***	TPH-e							
0646B003		11/16/06	0952	L	4	X	X	X								
0646B004		↓	1217	↓	4	X	X	X								
0646G005		↓	0952	↓	2				X							

SVOCs-clp for: B(a)A, B(a)P, B(b)F, B(k)F, chrysene, I(1,2,3-cd)P, D(ah)A

PW 11/16/06

PW 11/16/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	11/16/06	1415					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
				CFM 11-16	11-17-06	800	Anne Guillen

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

11-17-06

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

1 of 3

C.O.C. № 22980

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax: 415-822-1327	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/6448	Harry Leung	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: VOCs; VOCs-GP

PW 11/17/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	VOCs-GP	Comments
0646H004		11/16/06	1114	L	9	X		MS/MSD
0646H005		11/16/06	1315	L	3		X	
0646H006			1440		3	X		
0646H007			1450		3	X		
IR10EB639			1515		3	X		
~~0646~~ 0646G005			1450		3	X		
IR44EB641			1518		3	X		
0646D005			1428		3	X		
IR06EB642			1445		3	X		
0646G008			1402		3	X		

DW 11/17/06

Shuttle Temperature: 3.0°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/17/06	1515					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-9-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

2 of 3

C.O.C. № 22989

Report to: PLEASE PRINT
Company Name Kleinfelder / CE2 Phone: 415-822-2253
Address
Fax: 415-822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name Kleinfelder / CE2 Phone:
Address
Fax:
Attn:

Project Name/Number: HPS / 64148
Purchase Order Number
Sampler (Print): Harry Lenny
Sampler (Signature): H Lenny

Analysis Requested/Method Number: VOCs; TPH-P

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P
0646G009		11/16/06	1415	L	3	X	
0646G010			1454		3	X	
IR11EB643			1518		3	X	
0646G011		11/17/06	0916		3	X	
IR06EB644			0935		3	X	
0646G012			1016		3	X	
0646D006			0905		3	X	
0646D007			1042		3	X	
IR28EB645			1105		3	X	
0646B006			0944		6	X	X

TW 11/17/06

TW 11/17/06

Shuttle Temperature: 3.0C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retension)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
H Lenny	11/17/06	15:15					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11/17/06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

3 of 3

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22994

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Heinfelder/CO2	Phone: 415-822-2253	Company Name:	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
64148/HRS	Hany Leung		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
	Hany Leung		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-D	VOCs-clp	
IR28TB183		11/17/06	1400	L	6	X	X		
IR10TB184		↓	1410	↓	3			X	

TPW 11/17/06

TPW 11/17/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Hany Leung	11/18/06	1515					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11/19/06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

HL 11/17/06 1 of 3

C.O.C. № 22992

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CE2	Phone: 415-822-2253	Company Name: Kleinfelder / CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS / 64148	Harry Leung		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
	Hh Leung		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs										Comments
0646B007		11/17/06	1100	L	3	X										
IR25EB646			1130		3	X										
0646G013			1136		9	X										MS/MSD
0646W005			0950		3	X										
0646W006			0955		3	X										
IR06 ~~MW~~ EB647			1022		3	X										
0646W007			1126		3	X										
~~0646N001~~			~~0940~~		~~3~~	~~X~~										~~Discard per client's fax.~~ 12-7-06
0646N002			1040		3	X										
0646N003			1144		3	X										

PW 11/17/06

PW 11/17/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.°C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Hh Leung	11/17/06	1513					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-19-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

2 of 3

C.O.C. № 22993

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CE2	Phone: 415-822-2253	Company Name: Kleinfelder / CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS / 64148	Harry Leung		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	
~~0646~~ IR06EB648		11/17/06	1215	L	3	X	
0646G014			1326			X	
IR06TB185			1430			X	
0646B008			1350			X	
0646N004			1405			X	
0646N005			1410			X	
0646D008			1335			X	
0646D009			1430			X	
0646W008			1430			X	
0646G015		↓	1433	↓	↓	X	

Pro 11/17/06

Pro 11/17/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/17/06	1513					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-9-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

3 of 3

C.O.C. № 22996

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfelder/CE2	Phone: 415-822-2253	Company Name: Klenfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS / 64148	Harry Leung		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs										
0646G01b		11/17/06	1445	L	3	X										

PW 11/17/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0c	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/17/06	1513					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-9-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22995

PLEASE PRINT

Report to:
Company Name: Kennedy/Jenks
Phone: 415-822-2253
Address:
Fax:
Attn:

PLEASE PRINT

Invoice to:
Company Name:
Phone:
Address:
Fax:
Attn:

Project Name/Number: HPS164148
Purchase Order Number:
Sampler (Print): Henry Lang
Sampler (Signature): Henry Lang

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	diss metals-7dp *	SVOCs-dp **	Pest/PCB-dp ***	SVOCs-1,4-Dioxane	diss metals Cd & Mo	TPH-e	TSS	PW 11/17/06
1R26EB640		11/16/06	1612	L	5	X	X	X					
0646N003		11/17/06	1144		2				X	X		X	
1R06EB648			1215		2				X	X		X	
0646G008			1402		2				X				
0646G009			1415		2				X				
0646G012			1016		2				X				
0646B006			0944		2						X		

PW 11/17/06

Date Shipped:
Carrier:
Waybill No.:
Comments:
diss metals were field filtered
* for As, Cr, Cu, Pb, Mo, Hg, Zn
** for B(a)A, B(a)P, B(b)F, B(k)F, chrysene, D(ah)A, I(1,2,3 cd)P
TP 11-27-06
*** for chlordane & Aroclor 1260
(X) cancel analysis
[X] add analysis per Tom F 11-22-06 rp
[X] cancel per fax 11-27-06 rp

Shuttle Temperature: 2.5 C

Turnaround Requested: MUST CHECK ONE
[X] Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Henry Lang	11/17/06	1510					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-19-06	800	Chuefue M

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23000

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rudas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs-1,4-Dioxane 8270	
0648W009		11/27/06	1100	L	2	X	
IR28EB651		↓	1137	↓	2	X	
0648W011		↓	1500	↓	2	X	

CE 11/27/06

CE 11/27/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/27/06	1602					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-28-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22999

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Deolas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals - Cr only	Hex Chrom	TSS	Salinity	TDS							Comments
0648D010		11/27/06	1045	L	9	X	X	X									MS/MSD
0648H008			1100		1				X	X							
0648H009			1225		3				X	X							MS/MSD
0648B009			1036		3	X	X	X									
0648B010			1039		3	X	X	X									
0648H010			1458		1				X	X							

CR 11/27/06

CR 11/27/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/27/06	1557					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-28-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 22997

Report to: PLEASE PRINT
Company Name Kleinfelder/CE2
Address
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

Invoice to: PLEASE PRINT
Company Name Kleinfelder/CE2
Address
Attn:
Phone:
Fax:

Project Name/Number: HP/64148
Purchase Order Number
Sampler (Print): Cynthia Rivelas
Sampler (Signature)

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P										Comments
0648D010		11/27/06	1045	L	9	X											MS/MSD
0648H008			1100		3	X											
IR28EB649			1125		3	X											
0648H009			1225		9	X											MS/MSD
~~0648B011~~			~~1254~~		~~6~~	~~X~~	~~X~~										Discard per
~~0648B012~~			~~1300~~		~~6~~	~~X~~	~~X~~										client 11-28-06
IR28EB650			1430		6	X	X										
0648W009			1100		3	X											
IR28EB651			1137		3	X											
0648W010			1250		9	X											MS/MSD

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/27/06	1552					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-28-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22998

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEZ	Phone: 415-822-2253	Company Name: Kleinfelder/CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/6448	Cynthia Bueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Rust	TPH-e										Comments
0648D010		11/27/06	1045	L	4	X											MS/MSD
~~0648B011~~		↓	~~1254~~	↓	~~2~~		~~X~~										~~Discard per client~~
~~0648B012~~			~~1300~~		~~2~~		~~X~~										~~SA 11-28-06~~
JR28EB650		↓	1430	↓	2		X										

CZ 11/27/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/27/06	1518					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-28-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p 2 of 2

C.O.C. № 23501

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name Hemfelder/CEZ	Phone: 415-822-2253	Company Name Klemfelder/CEZ	Phone:
Address	Fax: 415-822-1329	Address	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print),	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Dudas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-g									Comments
0648H01D		11/27/06	1458	L	3	X										
IR28TB186		↓	1539	L	6	X	X									Trip Blanks
0648W011		↓	1500	L	3	X										

OK 11/27/06

OK 11/27/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/27/06	1552					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-28-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 3

C.O.C. № 23502

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CE2	Phone: 415-822-2253	Company Name: Kleinfelder / CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P
0648D011		11/27/06	1445	L	3	X	
IR58EB652		↓	1510	↓	3	X	
0648D012		11/28/06	0930	L	3	X	
0648D013			0935		3	X	
IR28EB653			1000		3	X	
0648D014			1040		3	X	
0648N006			1035		3	X	
0648W012			1207		6	X	X
0648N007			1218		3	X	
IR28EB654		↓	1258	↓	3	X	

OK 11/28/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/28/06	1550					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-29-06	800	Chuefue Mora

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 3

C.O.C. № 23505

Report to: PLEASE PRINT
Company Name: Klenfelder/CE2
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

Invoice to: PLEASE PRINT
Company Name: Klenfelder/CE2
Address:
Attn:
Phone:
Fax:

Project Name/Number: HP/64148
Purchase Order Number:
Sampler (Print): Cynthia Rivelas
Sampler (Signature): CR

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPHd										
0648G017		11/28/06	1012	L	6	X	X										
0648G018			1204		6	X	X										
IR04TB187			1412		6	X	X										Trip Blanks
0648N008			1450		3	X											
0648N009			1455		3	X											
0648G019			1438		3	X											
IR28EB655			1505		3	X											
0648W013			1455		3	X											
IR28EB656			1520		3	X											
0648D015			1445		3	X											

CR 11/28/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/28/06	1550					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-29-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 3 of 3

C.O.C. № 23509

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CGZ	Phone: 415-822-2253	Company Name: Kleinfelder / CGZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rudes		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs									
01648D016		11/28/06	1450	L	3	X									

CR 11/28/06

CR 11/28/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/28/06	1550					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-29-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23506

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name Kleinfelder/CE2	Phone: 415-822-2253	Company Name Kleinfelder/CE2	Phone:
Address	Fax: 415-822-1329	Address	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Oil/Grease										
0648G017		11/28/06	1012	L	2	X										
0648G018		↓	1204	↓	2	X										

CE 11/28/06

CE 11/28/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/28/06	1545					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-29-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23507

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Heinfelder/CE2	Phone: 415-822-2253	Company Name: Heinfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP 16448	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments: All metals were field filtered.

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals	Cyanide	Sulfide	Anions	TSS	NH_3-N	TKN	Salinity	TDS		
0648G017		11/28/06	1012	L	5	X	X	X	X	X	X	X				
0648G018		↓	1204	↓	5	X	X	X	X	X	X	X				
0648D015		↓	1445	↓	1								X	X		
0648D016		↓	1450	↓	1								X	X		

CR 11/28/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/28/06	1545					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-29-06	800	Anne Guelle

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23503

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name Kleinfelder/CE2	Phone: 415-822-2253	Company Name Kleinfelder/CE2	Phone:
Address	Fax: 415-822-1329	Address	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Pest	organotins	PCBs	TPH-e							
0648D011		11/27/06	1445	L	2	X										
IR58EB652		↓	1510	↓	2	X										
0648D014		11/28/06	1040	L	2		X									
0648W012		↓	1201	↓	4	X		X	X							

CR 11/28/06

CR 11/28/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/28/06	1423					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-29-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23504

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEZ	Phone: 415-822-2253	Company Name: Kleinfelder/CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rivolas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	Acid Pest	OP Compds.	TPH-e	PCBs					
0648G017		11/28/06	1012	L	5	X	X	X	X	X					
0648G018		↓	1204	↓	5	X	X	X	X	X					

CR 11/29/06

CR 11/29/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/28/06	1434					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-29-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

P. 1 of 2

C.O.C. № 23603

Report to: PLEASE PRINT
Company Name Kleinfelder / CEZ
Address
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

Invoice to: PLEASE PRINT
Company Name Kleinfelder / CEZ
Address
Attn:
Phone:
Fax:

Project Name/Number: HP164148
Purchase Order Number:
Sampler (Print): Cynthia Rivelas
Sampler (Signature): CR

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (4p)	TPH-P	VOCs (8260)
0648D017		11/29/06	1030	L	6	X	X	
0648W014			0927		3			X
0648W015			0938		3			X
0648W016			1428		3			X
0648B011			1035		3			X
IR25EB657			1150		3			X
0648G020			1059		6		X	X
0648G021			1120		6		X	X
0648N010			1029		3			X
0648N011			1034		3			X

CR 11/29/06

Shuttle Temperature: 2°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/29/06	1553					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-30-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23598

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfelder ICES	Phone: 415-822-2253	Company Name: Klenfelder ICES	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/604148	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	VOCs (cle)	TPH-P									
0648N012		11/29/06	1225	L	3	X											
IR28EB658			1255		3	X											
IR07TB188			1450		6		X	X									Trip Blanks
IR01TB189			1454		6	X		X									Trip Blanks
0648B012			1508		3	X											
0648N013			1452		3	X											

CR 11/29/06

CR 11/29/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/29/06	1553					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-30-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23599

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CEG	Phone: 415-822-2253	Company Name: Kleinfelder / CEG	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP/104448	Cynthia Rueles	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	OCl Pest	OP Cmpds	PCBs	TPH-e						
0648G020		11/29/06	1059	L	5	X	X	X	X	X						
0648G021		↓	1120	↓	5	X	X	X	X	X						

CR 11/29/06

CR 11/29/06

Shuttle Temperature: 2°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/29/06	1421					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-30-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23600

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder ICF	Phone: 415-822-2253	Company Name: Kleinfelder ICF	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPI64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature) CR	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	oil/Grease	1,4-Dioxane							
0648B011		11/29/06	1035	L	2	X									
IR25EB657			1150		2	X									
0648G020			1059		2		X								
0648G021			1120		2		X								
0648B012			1508		2			X							

CR 11/29/06

CR 11/29/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/29/06	1543					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					11-30-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23601

Report to: PLEASE PRINT
Company Name: Kleinfelder/CE2
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

Invoice to: PLEASE PRINT
Company Name: Kleinfelder/CE2
Address:
Attn:
Phone:
Fax:

Project Name/Number: HP164148
Purchase Order Number:
Sampler (Print): Cynthia Rivelas
Sampler (Signature): [signature]

Date Shipped:
Carrier:
Waybill No.:
Comments: All metals were field filtered

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Dissolved Metals (cp)	Hex Chrom	TSS	Salinity	TDS	Dissolved Metals	Anions	organics	Sulfide	NH_3-N/TKN	Diss. Metals Cr(VI) Hg Zn Ni	
0648D017		11/29/06	1030	L	3	X	X	X									
0648B011		↓	1035	↓	1				X	X							
~~JR25E8657~~		↓	~~1150~~	↓	~~1~~				X	X							cancel per client SL 11-30-06
0648G020		↓	1059	↓	5			X			X	X	X	X	X		
0648G021		↓	1120	↓	5			X			X	X	X	X	X		
0648N010		↓	1029	↓	1				X	X							
0648N011		↓	1034	↓	1				X	X							
0648N012		↓	1225	↓	1				X	X							
0648B012		↓	1508	↓	3		X	X								X	
			ok 11/29/06														

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	11/29/06	1559					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-30-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23597

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEI	Phone: 415-822-2253	Company Name: Kleinfelder/CEI	Phone:
Address:	Fax: 415-822-1829	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rivelas	1,4-Dioxane	Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	1,4-Dioxane
0648N013		11/29/06	1452	L	2	X

CR 11/29/06

CR 11/29/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/29/06	1559					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-30-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23602

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder ICSC	Phone: 415-822-2253	Company Name: Kleinfelder ICSC	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP/104448	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature) CR	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs (cp)	Pest (cp)	PCBs (cp)	TPH-e	organotins						
0648D017		11/29/06	1030	L	5	X	X	X	X							
0648W014		↓	0927	↓	2					X						
0648W015		↓	0938	↓	2					X						

CR 11/29/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/29/06	1232					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					11-30-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23596

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CEQ	Phone: 415-822-2253	Company Name: Kleinfelder / CEQ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPI 64148	Cynthia Eveles	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: VOCs, TPH-P

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P	Comments
0648G022		11/29/06	1520	L	3	X		
IR28EB659		↓	1540	↓	3	X		
0648D018		↓	1445	↓	3	X		
IR03EB660		↓	1510	↓	3	X		* 24 TAT *
IR28EB661		11/30/06	0815	↓	3	X		
0648G023		↓	0952	↓	6	X	X	
0648G024		↓	1059	↓	6	X	X	
0648H011		↓	1010	↓	6	X	X	time: 1010
0648H012		↓	1150	↓	3	X		
0648B013		↓	1030	↓	3	X		

CR 11/30/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/30/06	1424					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-1-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23516

Report to: PLEASE PRINT
Company Name Kleinfelder / CEZ
Address
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

Invoice to: PLEASE PRINT
Company Name Kleinfelder / CEZ
Address
Attn:
Phone:
Fax:

Project Name/Number: HP/64148
Purchase Order Number:
Sampler (Print): Cynthia Bueler
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number: VOCs, TPH-P

CR 11/30/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P
IR25EB1662		11/30/06	1110	L	3	X	
0648W017			1004		3	X	
0648W018			1205		3	X	
IR28EB1663			1041		3	X	
0648D019			1010		3	X	
IR58EB1664			1030		3	X	
0648D020			1130		3	X	
IR28TB190			1350		6	X	X

CR 11/30/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/30/06	1424					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-1-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23591

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Heinfelder/CGR	Phone: 415-822-2253	Company Name: Heinfelder/CGR	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP/64148	Cristian Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: SVOCs; OP chlorids; OCl Pest; PCBs; TPH-e; CR 11/30/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	OP chlorids	OCl Pest	PCBs	TPH-e							
0648G021		11/30/06	1059	L	5	X	X	X	X	X							
0648H011		↓	1010	↓	4	X			X	X							per client 12-1-06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/30/06	1408					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23592

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder ICES	Phone: 415-822-2253	Company Name: Kleinfelder ICES	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP/64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	organochlorine	SVOCs	PCBs	OP compds	oil & grease	TPH-e	oil/grease				
06485023		11/30/06	0952	L	8	X	X	X	X	X	X	X				
06485024		↓	1059	↓	2							X				

CR 11/30/06

CR 11/30/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	11/30/06	1400					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-1-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

P-1 of 2

C.O.C. № 23594

Report to: PLEASE PRINT
Company Name: Kleinfelder/CEC
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

Invoice to: PLEASE PRINT
Company Name: Kleinfelder/CEC
Address:
Attn:
Phone:
Fax:

Project Name/Number: HP/64148
Purchase Order Number:
Sampler (Print): Cynthia Rivas
Sampler (Signature): [signature]

Date Shipped:
Carrier:
Waybill No.:
Comments: All metals were field filtered.

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Dissolved Metals	Cyanide	Anions	TSS	NH_3-N	TKN	Sulfide	Dissolved Metals + Cr only	Hex Chrom	Salinity	TDS
0648G023		11/30/06	0952	L	5	X	X	X	X	X	X	X				
0648G024		↓	1059	↓	5	X	X	X	X	X	X	X				
0648H012		↓	1150	↓	3				X				X	X		
0648B013		↓	1030	↓	1										X	X

DR 11/30/06

Shuttle Temperature: 2°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	11/30/06	1427					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-1-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23590

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Hanfelder/CE2	Phone: 415-822-2253	Company Name: Hanfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rudas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs
0648B013		11/30/06	1030	L	2	X
IR25EB1602		↓	1110	↓	2	X

CR 11/30/06

CR 11/30/06

Shuttle Temperature: 2°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	11/30/06	1427					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/1/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 3

C.O.C. № 23585

Report to: PLEASE PRINT
Company Name: KleinFelder / CEC
Address:
Attn:
Phone: 415 822-2253
Fax: 415 822-1329

Invoice to: PLEASE PRINT
Company Name: KleinFelder / CEC
Address:
Attn:
Phone:
Fax:

Project Name/Number: HP / C4148
Purchase Order Number:
Sampler (Print): Cynthia Rueda
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number: VOCs, TPH-g

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-g
0648D021		11/30/06	1338	L	3	X	
0648D022			1443		3	X	
0648D023			1448		3	X	
0648W019			1425		6	X	X
0648B014			1335		3	X	
0648G025			1333		3	X	
0648G026			1506		3	X	
IR28EB005			1530		3	X	
0648N014			1411		9	X	
0648N015			1512		3	X	

Comments: MS/MSD

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/8/06	1420					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					14:20	12-8-06	Renée Patterson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

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CHAIN OF CUSTODY RECORD

C.O.C. № 23588

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEN	Phone: 415 822-2253	Company Name: Klein Felder / CEN	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rueles	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Pest	PCBs	SVOCs	TPH-e	1,4-Dioxane						
0648D021		11/30/06	1338	L	3	X	X									
0648D022		↓	1443	↓	2			X								
0648D023		↓	1448	↓	2			X								
0648W019		↓	1425	↓	3	X			X							
0648S014		↓	1335	↓	2					X						
0648G025		↓	1333	↓	2	X										

CR 12/6/06

CR 12/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	0959					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-2-06	14:20	Renée Patterson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23510

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klemfelder Lee	Phone: 415·822·2253	Company Name: Klemfelder Lee	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	CR	Comments:

Analysis Requested/Method Number: SVOCs, PCBs, TPH-C, Pest

CR 12/01/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	PCBs	TPH-C	Pest
0648G027		12/1/06	0944	L	3	X	X		
0648D025		↓	1030	↓	2			X	
0648D027		↓	1355	↓	2				X

CR 12/01/06

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/01/06	1422					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-2-06	14:20	Renée Patterson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23586

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1321	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
AP/64148	Cynthia Rivelas		

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Salinity	TDS	Dissolved Metals - Hg only	TSS	Diss. Metals - Mo only	DISS. Metals	Diss. Metals - Hg only				
0648D022		11/30/06	1443	L	1	X	X									
0648D023		↓	1448	↓	1	X	X									
0648B014		↓	1335	↓	2			X	X							
0648G025		↓	1333	↓	2				X	X						
0648G028		12/1/06	1131	↓	2				X		X					
0648W020		↓	0945	↓	2				X			X				

CK 12/01/06

CK 12/01/06

Date Shipped:
Carrier:
Waybill No.:
Comments: All metal samples were field filtered.

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/01/06	1422					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-2-00	14:20	Renée Patterson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 3

C.O.C. № 23584

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415-822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-D										
IR28EB666		11/30/06	1535	L	3	X											
0648G027		12/1/06	0944		3	X											
0648D024			0920		3	X											
~~0648D025~~ 0648D025			1030		6	X	X										
IR28EB667			0935		3	X											
0648H013			0932		3	X											
0648G028			1131		3	X											
~~0648D026~~			~~1148~~		3	X											12-4-06 Discard per client
0648B016			1140		3	X											
IR28EB668			1210		3	X											

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/01/06	1420					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-2-06	14:20	Renée Patterson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 3 of 3

C.O.C. № 23582

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 641148	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P										Comments
0648B015		12/01/06	0950	L	3	X											
0648W020		↓	0945	↓	3	X											
IRBSTB191		↓	1330	↓	6	X	X										Trip Blanks
0648D027		↓	1355	↓	3	X											

CR 12/01/06

CR 12/01/06

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/01/06	1420					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-2-06	14:20	Renée Patterson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23577

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
AP / 64148	Cynthia Rivelas		

Analysis Requested/Method Number: VOCs, TPH-p

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-p
0648B017		12/01/06	1355	L	3	X	
0648H014			1355		3	X	
IR36EB670			1425		3	X	
0648W021			1456		3	X	
IR28EB671			1547		3	X	
0649G030		12/4/06	0916		6	X	X
0649G031			1038		6	X	X
0649N016			0938		3	X	
0649N017			1105		3	X	
IR09EB673			1125		3	X	

CR 12/4/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/4/06	1445					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-5-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23572

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2263	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rivolas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P									Comments
						CR 12/4/06										
IR03TB192		12/4/06	1402	L	6	X	X									Trip Blanks
0649G032			1254		6	X	X									
IR28EB075			1325		6	X	X									
0649D028			0935		6	X	X									
0649D029			1122		6	X	X									
0649W024			1317		3	X										
0649W025			1325		3	X										
0649W026			1445		9	X										MS/MSD
						CR 12/4/06										

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/4/06	1425					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-5-06	800	Chris Guelle

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 23573

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CER	Phone: 415 822-2253	Company Name: Klein Felder / CER	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rueles	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments: All metal samples were field filtered.

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	* Dis. Metals	Hex Chrom	TDS	Dis. Metals - Pb only	Dis. Metals Pb + Zn only	Anions	Cyanide	NH3-N/TKN	Sulfide		
0649W022		12/4/06	0935	L	3	X	X	X								
IR096B674		↓	1000	↓	2	X	X									
0649W023		↓	1115	↓	3	X	X	X								
0649N018		↓	1315	↓	2			X	X							
0649N019		↓	1412	↓	2			X		X						
0649D028		↓	0935	↓	5	X		X			X	X	X	X		
0649D029		↓	1122	↓	5	X		X			X	X	X	X		

CR 12/4/06

Comments
* CR only
* CR only
* CR only

SA 12-6-06 per clients fax.

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/4/06	1530					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-5-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23575

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rucas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Organochlorines	SVOCs	Oil Field	OP compds	PCBs	TPH-G	Oil/Grease				
06486017		12/01/06	1355	L	2	X										
06496030		12/04/06	0916	↓	7		X	X	X	X	X	X				

CR 12/4/06

CR 12/4/06

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/4/06	1330					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-5-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

№ 23570

C.O.C. _____

Report to: PLEASE PRINT
Company Name: Klein Felder / CEC
Address:
Attn:
Phone: 415 822-2263
Fax: 415-822-1329

Invoice to: PLEASE PRINT
Company Name: Klein Felder / CEC
Address:
Attn:
Phone:
Fax:

Project Name/Number: HP / 64148
Purchase Order Number:
Sampler (Print): Cynthia Rivelas
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-g	SVOCs	Del Rest	OP Cmpds	PCBs	Oil/Grease					
IR28EB675		12/4/06	1325	L	2	X										
0649D028		↓	0935	↓	7	X	X	X	X	X	X					

CR 12/4/06

CR 12/4/06

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	12/4/06	1520					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-5-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23574

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Agnieszka Rzedzicka	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: SVOCs, Pest, PCBs, TPH-g, organohalides

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	Pest	PCBs	TPH-g	organohalides
0649G031		12/4/06	1038	L	5	X	X	X	X	
0649N018		↓	1315	↓	2					X
0649G032		↓	1254	↓	2				X	

CR 12/4/06

CR 12/4/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/4/06	1502					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-5-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23569

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CER	Phone: 415 822-2253	Company Name: Klein Felder / CER	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP164148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	8VOCs	OCl Pest	OP compds	PCBs	TPH-G	oil/grease					
06495029		12/4/06	1122	L	7	X	X	X	X	X	X					

CR 12/4/06

CR 12/4/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3°	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/4/06	1537					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-5-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23581

Report to: PLEASE PRINT
Company Name: Klein Felder / CEC
Phone: 415 822-2253
Address:
Fax: 415 822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name: Klein Felder / CEC
Phone:
Address:
Fax:
Attn:

Project Name/Number: HP / 64148
Sampler (Print): Cynthia Rivlas
Purchase Order Number:
Sampler (Signature): [signature]

Date Shipped:
Carrier:
Waybill No.:
Comments: All noted samples were field filtered.

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Cyanide	Dissolved Metals	Anions	TSS	Sulfide	NH3-N	TKN	Diss-Metals-Cr only	Hex Chrom	Salinity	TDS	
0648G029		12/1/06	1410	L	3	X											MS/MSD
IR09EB669		↓	1435		1	X											
0649G030		12/2/06	0916		5	X	X	X	X	X	X	X					
0649G031			1038		2		X		X								
0649B018			1128		4	X			X				X	X			
IR09EB672			1205		3	X							X	X			
0649N016			0938		3				X				X	X	X	X	
0649N017			1105		3				X				X	X	X	X	
IR09EB673		↓	1125	↓	2								X	X			

Shuttle Temperature: 3°

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	12/4/06	1335					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-5-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

P. 1 of 2

C.O.C. № 23568

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CGR	Phone: 415 822-2253	Company Name: Klein Felder / CGR	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP164148	Cynthia Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	VOCs (clp)										
0649B019		12/4/06	1412	L	3	X											
0649B020			1418		3	X											
0649B021			1514		3	X											
0649B022			1520		3	X											
0649D030			1530		3	X											
IR28EB676			1600		3	X											
0649H015		12/5/06	0915		9	X											MS/MSD
0649W027			0950		3	X											
0649W028			0955		3	X											
0649B023			0947		3		X										

CR 12/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/5/06	1510					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-6-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23565

Report to: PLEASE PRINT
Company Name Klein Felder / CEC
Phone: 415 822-2253
Address
Fax: 415 822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name Klein Felder / CEC
Phone:
Address
Fax:
Attn:

Project Name/Number: HP / 64148
Purchase Order Number
Sampler (Print): Cynthia Rivelas
Sampler (Signature):

Analysis Requested/Method Number: VOCs (cl-p), VOCs (8260), TPH-p, ER 12/5/06

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (cl-p)	VOCs (8260)	TPH-p								Comments
IR10EB1077		12/5/06	1040	L	3	X										
0649G033		↓	0909	↓	6		X	X								
0649G034			1026		6		X	X								
0649D031			1115		6		X	X								
0649G035			1244		9		X									MS/MSD
IR36EB1079			1310		3		X									
0649G036			1344		3		X									
IR10TB193			1454		3	X										Trip Blanks
IR01TB194			1500		6		X	X								Trip Blanks
0649G037		↓	1440	↓	3		X									

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/5/06	1510					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-6-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 23563

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	OCL Pest	OP Pesticides	PCBs	TPH-e						
0649D031		12/5/06	1115	L	5	X	X	X	X	X						

CR 12/5/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/5/06	1512					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-6-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23564

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HD / 64148	Cynthia Rulas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	OCl Pest	OP Compds	PCBs	TPH-e						
0649G033		12/5/06	0909	L	5	X	X	X	X	X						
0649G034		↓	1026	↓	5	X	X	X	X	X						

CP 12/5/06

CP 12/5/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0°C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/5/06	1427					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-6-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23566

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HD / 64148	Cynthia Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	1,4-Dioxane	oil/Grease
0649B023		12/5/06	0947	L	2	X	
IRIDE8677			1040		2	X	
0649G033			0909		2		X
0649G034			1026		2		X
0649D031			1115		2		X

CR 12/5/06

CR 12/5/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0 C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/5/06	1418					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/6/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23567

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415-822-2263	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rudolph	Carrier:
Purchase Order Number	Sampler (Signature) CR	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Salinity	TDS	Diss. Metals	cyanide	Anions	TSS	Sulfide	NH3-N / TKN	Diss. Metals - V only	CR 12/5/06
0649B021		12/4/06	1514	L	1	X	X								
0649B022		↓	1520	↓	1	X	X								
0649G033		12/5/06	0909	↓	5			X	X	X	X	X	X		
0649G034		↑	1026	↓	5			X	X	X	X	X	X		
0649H016		↓	1115	↓	3				X		X			X	
IR09EB678		↓	1140	↓	2				X					X	
0649D031		↓	1115	↓	5			X	X	X	X	X	X		

CR 12/5/06

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/5/06	1435					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-6-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23561

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P										
0649H018		12/5/06	1510	L	6	X	X										
0649W029		↓	1312	↓	3	X											
0649W030			1317		3	X											
IR36EB68D			1545		3	X											
~~0649D032~~ IR28EB681 rp 12-7-06			1515		6	X	X										changes made to sample IDs + time per Cynthia's ~~email~~ fax 12-7-06 rp
~~IR28EB681~~ 0649D032		↓	rp 12-7-06 ~~1550~~ 1500		6	X	X										
0649G038		12/6/06	0854		6	X	X										
0649G039		↓	1006	↓	6	X	X										
0649D033			0918		6	X	X										
0649D034			1118		6	X	X										

CK 12/11/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5 C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	1542					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23556

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: KleinFelder / CEQ	Phone: 415 822-2253	Company Name: Kleinfelder / CEQ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 641148	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)	CR 12/6/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-g									Comments
0649B024		12/5/06	1335	L	3	X										
0649B025		↓	1340	↓	3	X										
0649B026		↓	1448	↓	3	X										*HCl preservative was removed from this sample of VOAs.*
0649H019		12/6/06	0930	↓	3	X										
0649B027		↓	0908	↓	3	X										
0649G040		↓	1151	↓	3	X										
0649G041		↓	1210	↓	3	X										
IR36TB195		↓	1440	↓	6	X	X									Trip Blanks
0649H021		↓	1505	↓	3	X										
			CR 12/6/06													

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°C	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	1542					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23557

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	DCI Pest	PCBs	OP compds	TPH-e						
0649D033		12/6/06	0918	L	5	X	X	X	X	X						
0649D034		↓	1118	↓	5	X	X	X	X	X						

CR 12/6/06

CR 12/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0 C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	1300					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23560

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CER	Phone: 415 822-2253	Company Name: Klein Felder / CER	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rucker	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	OCl Pest	OP compds	PCBs	TPH-e					
0649G038		12/6/06	0854	L	5	X	X	X	X	X					
0649G039		↓	1006	↓	5	X	X	X	X	X					

CR 12/6/06

CR 12/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.0°C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	1239					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

A 2 of 2

C.O.C. № 23552

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / Cor	Phone: 415 822-2253	Company Name: Klein Felder / Cor	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)	CK 12/6/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Post										Comments
0649D035		12/6/06	1408	L	4	X										MS/MSD
IR36EB685		↓	1450	↓	2	X										

CK 12/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.2C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	1550					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23559

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415-822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rucker	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: oil/Grease; SVOCs

CR 12/06/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	oil/Grease	SVOCs
9 12-7-06 SK							
0648G038		12/6/06	0854	L	2	X	
0649G039			1006		2	X	
0649D033			0918		2	X	
0649D034			1118		2	X	
0649B026		12/5/06	1448		2		X

CR 12/6/06

Shuttle Temperature: 3.0 C

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/6/06	1326					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23562

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	TPH-e									Comments
0649H017		12/5/06	1410	L	2	X										
0649H018			1510		3	X	X									
~~0649D032~~ IR28EB681 rp 12-7-06			1515		2		X									changes made to sample IDs + time per Cynthia's fax 12-7-06 rp
~~IR28EB681~~ 0649D032		12/5/06	~~1550~~ 1500		2		X									

CK 12/6/06

12/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	1211					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23554

Report to: PLEASE PRINT
Company Name: Klein Felder / CEL
Phone: 415 822-2253
Address:
Fax: 415 822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name: Klein Felder / CEL
Phone:
Address:
Fax:
Attn:

Project Name/Number: HP / 64148
Sampler (Print): Cynthia Rueles
Purchase Order Number:
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals - Cr only	Hex chrom	TSS	Cyanide	Salinity	TDS					
0649H020		12/6/06	1110	L	3	X	X	X								
IR09EB682		↓	1135	↓	2	X	X									
0649W031		↓	0930	↓	3	X	X	X			—					
IR09EB683		↓	0951	↓	2	X	X									
0649W032		↓	1238	↓	4	X	X	X	X							
0649B027		↓	0908	↓	3	X	X	X		X	X					
0649B028		↓	1402	↓	3	X	X	X								
IR09EB684		↓	1440	↓	2	X	X									

Analysis Requested/Method Number

CR 12/6/06

CR 12/6/06

Shuttle Temperature: 3.0 C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/6/06	1550					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-7-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 23558

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments: All metal samples were field filtered.

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals	Cyanide	Anions	TSS	NH_3-N	TKN	Sulfide	Diss. Metals - Hg only	Diss. Metals - Cr only	Hex chrom	CR-12/4/06
0649G038		12/6/06	0854	L	5	X	X	X	X	X	X	X				
0649G039		↓	1006	↓	5	X	X	X	X	X	X	X				
0649D033		↓	0918	↓	5	X	X	X	X	X	X	X				
0649D034		↓	1118	↓	5	X	X	X	X	X	X	X				
0649B026		12/5/06	1448	↓	2				X				X			
0649H019		12/6/06	0930	↓	3				X					X	X	

CK 12/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date 12-7-06	Time 800	Received at lab by:

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23551

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CGR	Phone: 415-822-9253	Company Name: Klein Felder / CGR	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: VOCs, TPH-P

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P	Comments
0649G042		12/6/06	1354	L	3	X		
IR12EB686		↓	1418	↓	3	X		
0649G043		↓	1524	↓	6	X	X	
0649D036		12/7/06	0925	↓	6	X	X	
0649G044		↓	1010	↓	6	X	X	
0649G045		↓	1138	↓	6	X	X	
0649N020		↓	0955	↓	3	X		*unpreserved*
0649N021		↓	1111	↓	3	X		
0649N022		↓	1215	↓	3	X		
PA50EB687		↓	1253	↓	3	X		

CR 12/7/06

Shuttle Temperature: 3.0°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/7/06	1522					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/8/06	820	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23544

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CGC	Phone: 415-822-3253	Company Name: Klein Felder / CGC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: VOCs, TPH-g

CR 12/7/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-g									Comments
0649B030		12/7/06	1304	L	3	X										
IR04TB1916			1430		6	X	X									Trip Blanks
0649G046			1351		3	X										
IR28EB1688			1415		3	X										
0649D037			1422		3	X										
IR36EB1689			1448		3	X										

CR 12/7/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.5	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/7/06	1522					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-8-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23548

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: (415) 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rivas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments: All metal samples were field filtered.

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals	TSS	cyanide	Anions	NH_3-N	TKN	Sulfide	Hex chrom	Salinity	TDS	[illegible]
0649G043		12/6/06	1524	L	2	X	X									
0649D036		12/7/06	0925		5	X	X	X	X	X	X	X				
0649W033			1015		3	X	X						X			
0649G044			1010		5	X	X	X	X	X	X	X				
0649G045			1138		5	X	X	X	X	X	X	X				
0649N020			0955		1									X	X	
0649N022			1215		1			X								
PA50EB687			1253		1			X								
0649B029			1032		3	X	X						X			
0649B030			1304		2	X	X									

Shuttle Temperature: 3.0°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/7/06	1505					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/8/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23545

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEN	Phone: 415 822-2253	Company Name: Klein Felder / CEN	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rulas	Carrier:
Purchase Order Number	Sampler (Signature): CR	Waybill No.:
		Comments:

Analysis Requested/Method Number: organotins

CR 12/7/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	organotins
0649N022		12/7/06	1215	L	2	X
PA50EB687		↓	1253	↓	2	X
0649B029		↓	1032	↓	2	X
0649B030		↓	1304	↓	2	X

CR 12/7/06

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/7/06	1500					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/8/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23546

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
HP / 64148	Cynthia Rueles		

Analysis Requested/Method Number: SVOCs, Oil Rest, PCBs, Pesticides, TPH-e

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	Oil Rest	PCBs	Pesticides	TPH-e
0649G044		12/7/06	1010	L	5	X	X	X	X	X
0649G045		↓	1138	↓	5	X	X	X	X	X

CR 12/7/06

CR 12/7/06

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/7/06	1330					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/8/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 23547

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
AP / 64148	Cynthia Rivlas		Carrier:
Purchase Order Number	Sampler (Signature)	CR 12/7/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	oil/Grease	organostins	SVOCs							
0649D036		12/7/06	0925	L	2	X									
0649W033		↓	1015	↓	2		X								
0649G044		↓	1010	↓	2	X									
0649G045		↓	1138	↓	2	X									
0649N020		↓	0955	↓	2			X							

CR 12/7/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/7/06	1324					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-8-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23550

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CGR	Phone: 415 822-2253	Company Name: Klein Felder / CGR	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Lyndsay Rivlas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	organochlorine	SVOCs	TPH-c	oil Pest	OP compds.	PCBs					
0649G043		12/6/06	1524	L	4	X	X	X								
0649D036		12/7/06	0925	↓	5		X	X	X	X	X					

CK 12/7/06

CK 12/7/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/7/06	1212					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-8-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

pg 1 of 3

C.O.C. № 23512

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/Cez	Phone: 415·822·2253	Company Name: Kleinfelder/Cez	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Patricia Walters		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
64148	Patricia Walters		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P	
PW 12/8/06 ~~0647~~ 0649B031		12/7/06	1535	L	3	X		PW 12/8/06
1R36EB690			1600		3	X		
0649G047			1517		3	X		
1R04EB691			1342		3	X		
0649W034			1318		3	X		
0649W035			1434		6	X	X	
0649W036		12/8/06	922		3	X		
1R15EB692			958		3	X		
0649W037			1055		9	X		MS/MSD
0649B032			920		3	X		

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	12/8/06	1545					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-9-06	1000	Libby Anderson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

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Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

pg 2 of 3

C.O.C. № 23514

Report to: (PLEASE PRINT)		Invoice to: (PLEASE PRINT)	
Company Name: Kleinfelder/C&2	Phone: 415·822·2253	Company Name: Kleinfelder/C&2	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Patricia Walters		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
64148	Patricia Walters		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	
0649B033		12/8/06	922	L	3	X	PW 12/8/06
0649B034			1026		3	X	
0649B035			1028		3	X	
1R39EB693			1055		3	X	
0649B036			1206		3	X	PW 12/8/06
0649B037			1208		3	X	
0649D038			0912		3	X	
0649D039			1021		3	X	
0649H022			1025		3	X	
0649H023			1145		3	X	

Shuttle Temperature: 25°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	12/8/06	1545					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/9/06	1000	Libby Anderson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23541

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Patricia Walters	Carrier:
Purchase Order Number	Sampler (Signature) Patricia Walters	Waybill No.:
		Comments: diss metals were field filtered

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	diss metals (6010B/7470A)	cyanide	sulfate	anions	TSS	Nitr-N/Tit	diss metals-dlp *	Hex Chrome				
0649H025		12/8/06	1410	L	5	X	X	X	X	X	X						
0649G049			1358		2	X				X							
0649G050			1415		2	X				X							
0649D039			1021		3	X	X			X							
0649G048			0902		3	X	X			X							
0649D038			0912		3	X	X			X							
0649D040			1420		3					X		X	X				

PW 12/8/06

PW 12/8/06

* diss-metals-dlp for As, Cr, Cu, Hg, Mn, Zn, Pb

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	12/8/06	1600					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-9-06	1000	Libby Cardenas

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23513

PLEASE PRINT

Report to:
Company Name: Kleinfelder/CEZ
Phone: 415-822-2253
Address:
Fax:
Attn:

PLEASE PRINT

Invoice to:
Company Name: Kleinfelder/CEZ
Phone:
Address:
Fax:
Attn:

Project Name/Number: HBS/64148
Purchase Order Number: 64148
Sampler (Print): Patricia Walters
Sampler (Signature): Patricia Walters

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number: SVOCs, TPH-e, Organotins

PW 12/8/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	TPH-e	Organotins
0649W035		12/7/06	1434	L	3	X	X	
0649D038		12/8/06	0912		2	X		
0649H022			1025		2			X
0649G048			0902		3	X		X

PW 12/8/06

Shuttle Temperature: 3.0°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	12/8/06	1520					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12/9/06	1000	Libby Anderson

SKM 12/9/06

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

pg 3 of 3

C.O.C. № 23515

Report to: (PLEASE PRINT)		Invoice to: (PLEASE PRINT)	
Company Name: Kleinfelder/CEZ	Phone: 415-822-2253	Company Name: Kleinfelder/CEZ	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Patricia Walters	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
64158	Patricia Walters	Comments:

Analysis Requested/Method Number: VOCs, TPH-P

PW 12/8/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-P									Comments
0649H024		12/8/06	1150	L	3	X										
1R39TB197			1500		6	X	X									
0649G048			0902		3	X										
0649G049			1358	L	3	X										
0649G050			1415		3	X										
0649H025			1410		6	X	X									
~~1R76EB694~~		12/8/06	1210	L	3	X										~~pt 12-12-06~~ Add per client fax
		PW	12/8/06													

Shuttle Temperature: 2.5°

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	12/8/06	1545					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-9-06	1000	Libby Anderson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

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CHAIN OF CUSTODY RECORD

C.O.C. № 23543

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS / 64148	Patrick Walters	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
64148	Patrick Walters	Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Organohalogens	SVOCs-clp*	Pest/PCBs-clp**	Oil/Grease							
0649G049		12/8/06	1358	L	2	X										
0649G050		↓	1415	L	2	X										
~~0649H025~~																
0649D040		12/8/06	1420	L	4		X	X								
0649H025		↓	1410	L	2				X							

PW 12/8/06

PW 12/8/06

PW 12/8/06

PW 12/8/06

*SVOCs clp for B(a)A, D(a)P, B(b)F, ~~B(k)F, chrysene, DBahA, I(1,2,3)cd)P~~ 12-12-06

** Pest/PCBs-clp for chlordane, Aroclor 1260

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0°	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day rotention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patrick Walters	12/8/06	1548					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-9-06	1000	Libby Anderson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

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CHAIN OF CUSTODY RECORD

C.O.C. № 23542

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS / 64148	Patricia Walters		Carrier:
Purchase Order Number: 64148	Sampler (Signature): Patricia Walters		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	VOC Prest	PCBs	OPCMPDs	TPH-d						
0649H025		12/8/06	1410	L	5	X	X	X	X	X						

PW 12/8/06

PW 12/8/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.0°	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
Patricia Walters	12/8/06	1559					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12/9/06	1000	Libby Anderson

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23540

Report to: PLEASE PRINT
Company Name: Klein Felder / CEZ Phone: 415 822-2253
Address:
Fax: 415 822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name: Klein Felder / CEZ Phone:
Address:
Fax:
Attn:

Project Name/Number: HP / 64148
Purchase Order Number:
Sampler (Print): Cynthia Rucks
Sampler (Signature): CR

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	VOCs (clp)	TPH-P								
IR02EB695		12/8/06	1430	L	3	X					CR					
0649B038		↓	1440		3	X						12/11/06				
0650G051		12/11/06	0935		6		X	X								
0650G052			1117		6	X		X								
IR28EB697			1150		6	X		X								
0650W039			1005		6	X		X								
0650W040			1218		6	X		X								
0650B040			1129		3	X										
IR28EB698			1200		3	X										
IR29EB699		↓	1325	↓	6	X		X								

Shuttle Temperature: 3.0°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/11/06	1610					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-12-06	800	Claire Guerin

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

P. 2 of 2

C.O.C. № 23534

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
AP / 64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-p	VOCs (cdp)								Comments
0650D041		12/11/06	0945	L	6	X	X									
0650D042			1150		6	X	X									
0650G053			1356		3	X										
IR28TB198			1537		6	X	X									Trip Blanks
IR06TB199			1539		6		X	X								Trip Blanks
0650D043			1510		3	X										
0650W041			1510		3	X										
0650B041			1522		3	X										effervescence
IR58EB700			1606		3	X										

CR 12/11/06

CR 12/11/06

Shuttle Temperature: 3.0 C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/11/06	1610					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-12-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23538

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name Klinfelder / CEC	Phone: 415 822-2253	Company Name Klinfelder / CEC	Phone:
Address	Fax: 415 822-1329	Address	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
AP / 64418	Cynthia Rudes		

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TSS	Diss. Metals (CLP) As, Cr, Cu, Pb, Hg, Hg, Zn only	Dissolved Metals	Diss. Metals (CLP)	Hex Chrom	Diss. Metals - Cr only	Anions	Cyanide	NH3-N/TKN	Sulfide	02-12-06	Comments: All metal samples were field filtered.
IR02EB695		12/5/06	1430	L	1	X		X									SF 12-13-06 per client
IR26EB696			1440		1		X										
0649B038			1440		2	X		X									
0649W038			1445		6	X		X									MS/MSD
0650G051		12/11/06	0935		3	X			X	X							
0650W039			1005		3	X		X		X							
0650B039			0941		3	X				X	X						
0650D042			1150		5	X		X				X	X	X	X		
0650G053			1356		2	X		X									
0650D043			1510		3	X				X	X						

Date Shipped:
Carrier:
Waybill No.:
Comments:

Shuttle Temperature: 2.5c

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/11/06	1548					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-12-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 23532

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CGZ	Phone: 415 822-2253	Company Name: Klein Felder / CGZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss Metals	Cromly Hex Chrom
IR58EB700		12/11/06	1606	L	2	X	X

CR 12/11/07

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/11/06	1614					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12/12/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23533

Report to: PLEASE PRINT
Company Name: KleinFelder / CEZ
Phone: 415 822-2253
Address:
Fax: 415 822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name: KleinFelder / CEZ
Phone:
Address:
Fax:
Attn:

Project Name/Number: HP / 64148
Purchase Order Number:
Sampler (Print): Cynthia Rueles
Sampler (Signature): [signature]

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	TPH-e	OCl Pest	OP compds	PCBs	organotins	Pest	Dissolved Metals	Hex chrom	TSS	CK 12/11/06
0650D042		12/11/06	1150	L	5	X	X	X	X	X						
0650G053		↓	1356	↓	3	X					X					
0650W041		↓	1510	↓	6	X						X	X	X	X	

CK 12/11/06

Shuttle Temperature: 3.0C

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	12/11/06	1554					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-12-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23536

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rudas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	CR	Comments:

Analysis Requested/Method Number: TPH-e, organohalons, SVOCs, oil/Grease

CR 12/11/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	organohalons	SVOCs	oil/Grease
ER28EB697		12/11/06	1150	L	2	X			
0650W039		↓	1005	↓	2	X			
0650W040		↓	1218	↓	4	X	X	X	
0650D041		↓	0945	↓	2				X

CR 12/11/06

Shuttle Temperature: 2.0 °C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/11/06	1500					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-12-06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23537

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415 822-2263	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	organochlorines	SVOCs (clp)	Pest (clp)	PCBs (clp)	TPH-e							
0649W038		12/8/06	1445	L	4	X											MS/MSD
0650G051		12/11/06	0935	↓	5		X	X	X	X							

CR 12/11/06

CR 12/11/06

Shuttle Temperature: 25C

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/11/06	1150					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/12/06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23539

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print):
HP / 64148	Cynthia Ruebs
Purchase Order Number	Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Organochlorine Pesticides (clp)	SVOCs (clp) *	Pest (clp) - Chlordane only	PCBs (clp) - Aroclor 1260 only	SVOCs	PCBs	TPH-e					
IR02EB695		12/8/06	1430	L	2	X											
IR26EB696		↓	1440	↓	3		X	X	X								* B(a)A, B(a)P, B(b)F, B(k)F, chrysene, D(ah)A, I(1,2,3-cd)P; No breakage Amber
0649B038		↓	1440	↓	3					X	X						
0650G052		12/11/06	1117	↓	2							X					

CR 12/11/06

CR 12/11/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5c	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/11/06	1312					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-12-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23535

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rucker		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-g	organics	SVOCs	OH Pest	PCBs	OP cmpds	oil/grease					
IR29EB699		12/11/06	1325	L	4	X	X	X									
0650D041		↓	0945	↓	4	X		X	X	X	X						no breakage amber
0650D042		↓	1150	↓	2							X					

CR 12/11/06

CR 12/11/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/11/06	1506					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-12-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 23529

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2263	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-P	VOCs (c/p)									
SWD121206		12/12/06	1115	L	6	X	X										
SWT121206			1200		6	X	X										
0650B042			1148		3			X									
IR25EB701			1215		3			X									
0650G054			1138		3	X											
IR25EB702			1240		3	X											
0650W042			1245		3	X											
IR06EB703			1315		3	X											
IDW121206			1500		6	X	X										
IR25TB800			1525		3			X									Trip Blanks

CR 12/12/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0 C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/12/06	1805					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12/13/06	8:00	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23528

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415) 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415) 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
HP / 64148	Cynthia Rucker		CR

Analysis Requested/Method Number

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	BVOCs	OCl Pest	OP Cmpds	PCBs	1,4-Dioxane	Organotins	Oil/Grease	CR 12/12/06
SWT121206		12/12/06	1200	L	9	X	X	X	X	X	X	X	X	

CR 12/12/06

Shuttle Temperature: 2.0°C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day rotation)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/12/06						

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-13-06	800	[illegible]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23524

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
HP/624148	Cynthia Rubio		

Analysis Requested/Method Number: SVOCs, 1,4-Dioxane, PCBs, TPH-e

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	1,4-Dioxane	PCBs	TPH-e
061508043		12/12/06	1457	L	5	X	X	X	X

ok 12/12/06

ok 12/12/06

Shuttle Temperature: 3.0 C

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/12/06	1615					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-13-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23526

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEZ	Phone: 415) 822-2253	Company Name: Klein Felder / CEZ	Phone:
Address:	Fax: 415) 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 64148	Cynthia Rubio		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Chemical Oxygen Demand	Oil / Grease	SVOCs	PCBs						
IDW121206		12/12/06	1500	L	3	X	X								
06506054		↓	1138	↓	3			X	X						
IR25EB702		↓	1240	↓	3			X	X						

CR 12/12/06

CR 12/12/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
3.0°C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/12/06	1538					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-13-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23530

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CGZ	Phone: 415 822-2253	Company Name: Klein Felder / CGZ	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP 164148	Cynthia Rueles	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	CR	Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	SVOCs	OCl Pest/OP cmpds	PCBs	1,4-Dioxane	cyanotoxins	oil/Grease				
SWD 121206		12/12/06	1115	L	9	X	X	X	X	X	X	X				

CR 12/12/06

CR 12/12/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°C	☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/12/06	1154					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12-13-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23531

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	CR	Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Total Metals (unfiltered)	Dissolved Metals (marked as field filtered)	Hex Chrom	cyanide	Sulfide	NH3-N/TKN	Anions	TDS/salinity	TSS		
SWD 121206		12/12/06	1115	L	7	X	X	X	X	X	X	X	X	X		
SWT121206		↓	1200	↓	7	X	X	X	X	X	X	X	X	X		
06506054		↓	1138	↓	1								X			
IDW121206		↓	1500	↓	6	X		X	X	X	X	X	X	X		
06508043		↓	1457	↓	3		X	X						X		

CR 12/12/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
2.5°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	12/12/06	1610					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-13-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 23527

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rueda	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	OCl Pest	OP cmpds	PCBs	1,4-Dioxane	organotins	TPH-e	pH	ignitability		
IDW121206		12/12/06	1500	L	9	X	X	X	X	X	X	X	X	X		

CR 12/12/06

CR 12/12/06

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/12/06	1546					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12-13-06	800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 23525

Report to: PLEASE PRINT
Company Name: Klein Felder / CEC
Phone: 415 822-2253
Address:
Fax: 415 822-1329
Attn:

Invoice to: PLEASE PRINT
Company Name: Klein Felder / CEC
Phone:
Address:
Fax:
Attn:

Project Name/Number: HP / 64148
Sampler (Print): Cynthia Rucker
Purchase Order Number:
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number: VOCs (8260), TPH-P

CK 12/12/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-P
IRD6TB201		12/12/06	1528	L	6	X	X
0650B043		↓	1457	↓	6	X	X

CK 12/12/06

Shuttle Temperature: 3.0C

Turnaround Requested: MUST CHECK ONE
☑ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/12/06	1605					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					12/13/06	8:00	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 23522

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klein Felder / CEC	Phone: 415 822-2253	Company Name: Klein Felder / CEC	Phone:
Address:	Fax: 415 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP / 64148	Cynthia Rudolph	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Dissolved Metals	Cyanide	Anions	TSS	NH_3-N	TKN	Sulfide				
0650D041		12/13/06	0850	L	5	X	X	X	X	X	X	X				
IR01EB704		↓	1040	↓	4	X	X			X	X	X				

OK 12/13/06

Shuttle Temperature:

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	12/13/06	1100					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					12/13/06 12/14	1015	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

Appendix E.
Batch Wastewater Discharge Permit Application

SAN FRANCISCO PUBLIC UTILITIES COMMISSION
Bureau of Environmental Regulation and Management
3801 THIRD STREET, SUITE 600, SAN FRANCISCO, CA 94124 • Tel. (415) 695-7310 • Fax (415) 695-7388

BATCH WASTEWATER PERMIT APPLICATION

1. Name of business where wastewater was generated :

Hunters Point Shipyard

2. Name of business applying for permit (if different from 1. above) :

Kleinfelder/CEZ (on behalf of U.S. Dept. of Navy, BRAC Program Management West)

3. Mailing address of business applying for permit :

address for approval letter

Kleinfelder:
1970 Broadway, Suite 710
Oakland, CA 94612
attn: Tom Sayre

Navy:
1455 Frazee Road, Suite 900
San Diego, CA 92108-4310

4. Activity resulting in wastewater generation :

Groundwater (well) water sampled between 11/14/2006 & 12/14/2006

5. Location of wastewater generation :

Hunters Point Shipyard, Parcels C, B, D, & E

6. Total estimated volume (or volume flow rate) of wastewater discharge :

2,000 gallons

7. Estimated duration of wastewater discharge :

1/2 day

8. Proposed sewer opening for discharge :

☐ Side Sewer; ☐ Catch Basin; ☐ Storm Drain; ☒ Manhole

9. Location of sewer opening :

on Spear Street, near intersection of Fisher's Spear Street (see attached map)

10. Does an underground storage tank for petroleum liquids currently exist on the site ?

☐ YES; ☒ NO

11. Has an underground storage tank for petroleum liquids been recently removed from the site ?

☐ YES; ☒ NO

12. Has the wastewater been exposed to petroleum contamination ?

☒ YES; ☐ NO

13. Were hazardous materials or waste ever stored on the site ?

☒ YES; ☐ NO

14. Has the wastewater been exposed to hazardous waste contamination ?

☒ YES; ☐ NO

15. Has the wastewater resulted from groundwater extracted within the reclaimed area specified in Section 1001(a)2.(A) of Article 20 ? (See Section 11.0 in "Requirements For Batch Wastewater Discharges".)

☒ YES; ☐ NO

16. Will the wastewater be subjected to any treatment before discharge ?

☐ YES; ☒ NO

BERM 09/28/00

17. If so, describe the method(s) of treatment :

18. **Attach a site plan** showing the source of the wastewater, the sampling location(s) or monitoring well(s), and the proposed discharge location (side sewer(s), catch basin(s), storm drain(s) or manhole(s)).

19. **Attach a copy of applicable analytical results from a representative sample of the wastewater.** (See Sections 8.0, 9.0, 10.0 & 11.0 in "Requirements For Batch Wastewater Discharges".)

20. Certification Statement :

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

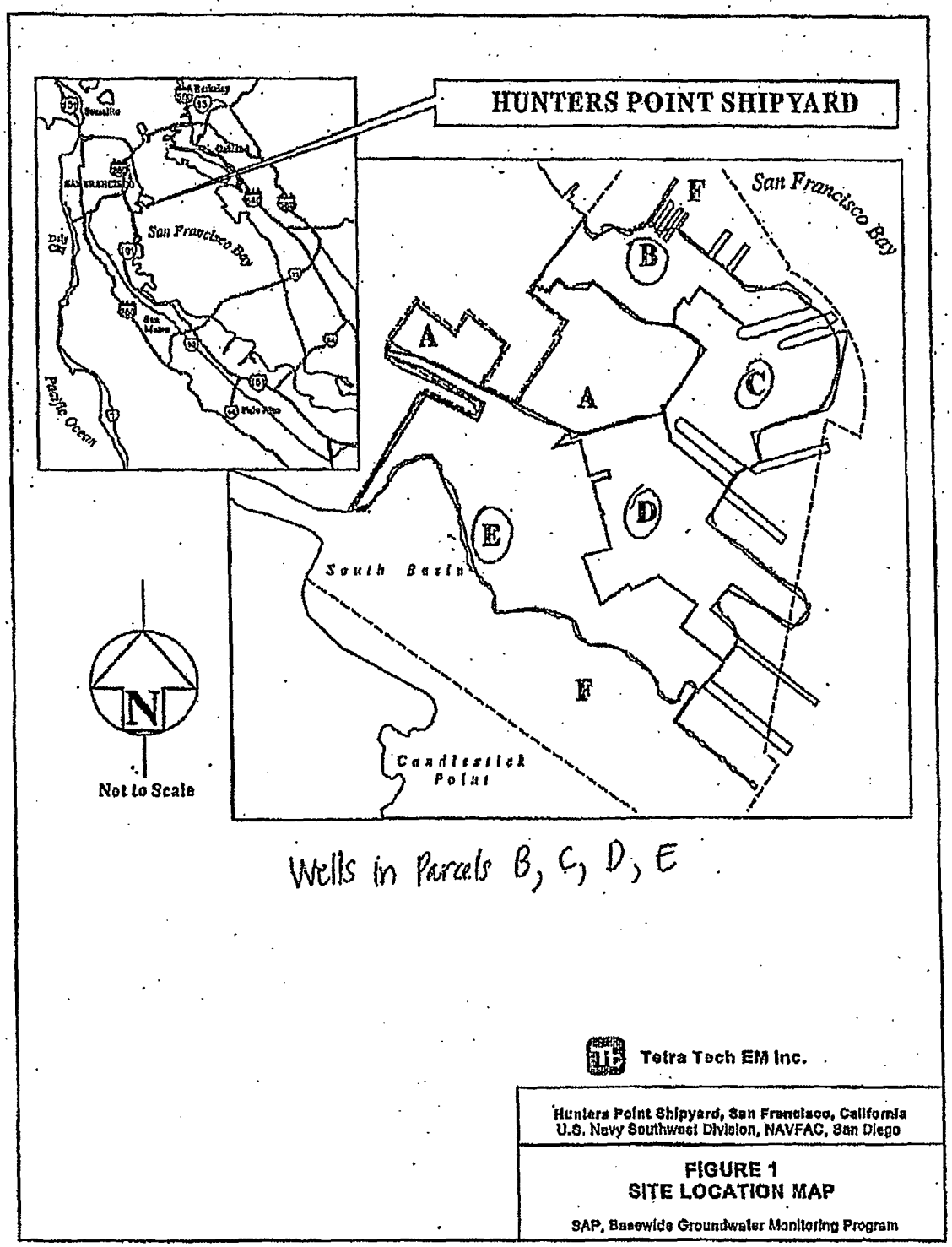
Name: Michael Mentink Title: US NAVY BRAC CSO ENVIRONMENTAL COMPLIANCE

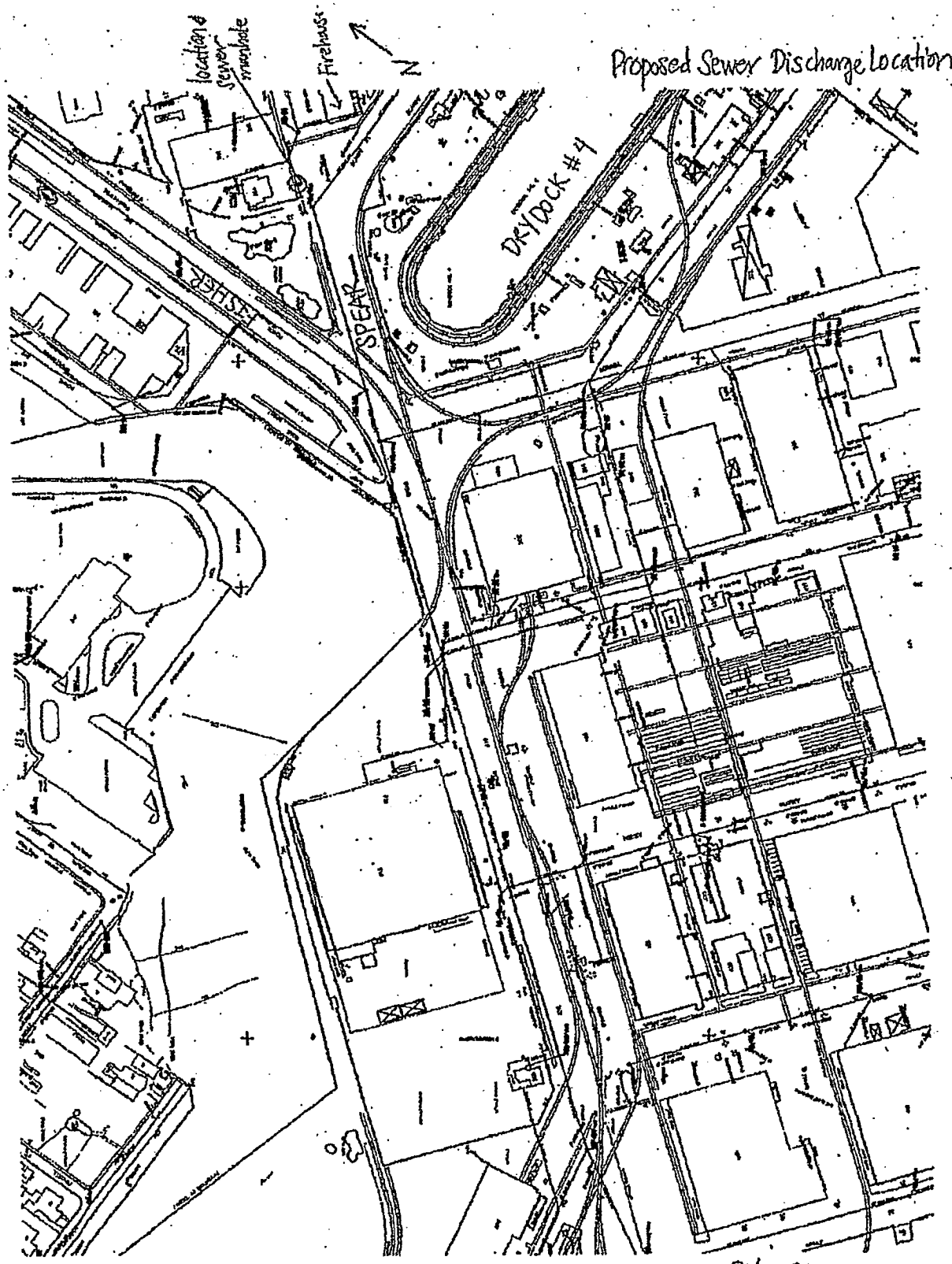
Signature[1]: Michael Mentink Date: 1/16/07

[1] *To be signed by an authorized representative of the discharger. An authorized representative may be (a) a principal executive officer or official; (b) a general partner or proprietor; or (c) a duly authorized representative of the individual designated in (a) or (b).*

BERM 09/28/00

TOTAL P.22


HUNTERS POINT SHIPYARD
San Francisco Bay
Pacific Ocean
San Francisco Bay
A
A
B
C
D
E
F
F
South Basin
Candlestick Point
N
Not to Scale
Wells in Parcels B, C, D, E
Tetra Tech EM Inc.
Hunters Point Shipyard, San Francisco, California
U.S. Navy Southwest Division, NAVFAC, San Diego
FIGURE 1
SITE LOCATION MAP
SAP, Basewide Groundwater Monitoring Program


Proposed Sewer Discharge Location
location of sewer manhole
Firehouse
N
DRYDOCK #4
SPEAR
DENSLA

Site Plan

EPA 8141A

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $84HP-061219A-108401

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8141A	Azinphosmethyl	Not detected	5.0	0.1075	ug/L	12/19/06	01/04/07
EPA 8141A	Bolstar	Not detected	0.5	0.3580	ug/L	12/19/06	01/04/07
EPA 8141A	Chlorpyrifos	Not detected	0.5	0.01295	ug/L	12/19/06	01/04/07
EPA 8141A	Coumaphos	Not detected	1.25	0.65	ug/L	12/19/06	01/04/07
EPA 8141A	Demeton (Total)	Not detected	1.0	0.40	ug/L	12/19/06	01/04/07
EPA 8141A	Diazinon	Not detected	0.5	0.01765	ug/L	12/19/06	01/04/07
EPA 8141A	Dichlorvos	Not detected	1.0	0.10	ug/L	12/19/06	01/04/07
EPA 8141A	Dimethoate	Not detected	0.5	0.40	ug/L	12/19/06	01/04/07
EPA 8141A	Disulfoton	Not detected	0.5	0.10	ug/L	12/19/06	01/04/07
EPA 8141A	EPN	Not detected	0.5	0.15	ug/L	12/19/06	01/04/07
EPA 8141A	Ethion	Not detected	0.5	0.15	ug/L	12/19/06	01/04/07
EPA 8141A	Ethoprop	Not detected	0.5	0.1175	ug/L	12/19/06	01/04/07
EPA 8141A	Famphur	Not detected	5.0	0.25	ug/L	12/19/06	01/04/07
EPA 8141A	Fensulfothion	Not detected	2.5	0.80	ug/L	12/19/06	01/04/07
EPA 8141A	Fenthion	Not detected	0.5	0.10	ug/L	12/19/06	01/04/07
EPA 8141A	Malathion	Not detected	0.5	0.25	ug/L	12/19/06	01/04/07
EPA 8141A	Merphos	Not detected	0.5	0.30	ug/L	12/19/06	01/04/07
EPA 8141A	Mevinphos	Not detected	3.5	0.3580	ug/L	12/19/06	01/04/07
EPA 8141A	Naled	Not detected	2.5	1.355	ug/L	12/19/06	01/04/07
EPA 8141A	Parathion, ethyl	Not detected	0.5	0.10	ug/L	12/19/06	01/04/07
EPA 8141A	Parathion, methyl	Not detected	0.5	0.3775	ug/L	12/19/06	01/04/07
EPA 8141A	Phorate	Not detected	0.5	0.3610	ug/L	12/19/06	01/04/07
EPA 8141A	Ronnel	Not detected	0.5	0.15	ug/L	12/19/06	01/04/07
EPA 8141A	Stirophos	Not detected	0.5	0.30	ug/L	12/19/06	01/04/07
EPA 8141A	Sulfotep	Not detected	0.5	0.10	ug/L	12/19/06	01/04/07
EPA 8141A	Tokuthion	Not detected	0.5	0.1080	ug/L	12/19/06	01/04/07
EPA 8141A	Trichloronate	Not detected	0.5	0.25	ug/L	12/19/06	01/04/07
EPA 8141A	Surrogate: Tributylphosphate	95.6	30-150		%	12/19/06	01/04/07
EPA 8141A	Surrogate: Triphenylphosphate	95.4	30-150		%	12/19/06	01/04/07

Run #: 38
Instrument: NPD04
Sequence: 061228
Dilution Factor: 5
Initials: JT

Printed: 01/04/07 10:17:05 AM
APPL-F1-SC-NoMC-REG MDLs

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Agriculture & Priority Pollutant Labs,Incorporated
Project Name : 52412
Project Number : NA
Sample Matrix : WATER

Service Request : K0610937
Date Collected : 12/12/06
Date Received : 12/14/06

Chemical Oxygen Demand

Analysis Method : 410.2
Test Notes :

Units : mg/L (ppm)
Basis : NA

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
IDW121206	K0610937-001	5	2.5	1	12/18/06	93	
Method Blank	K0610937-MB	5	2.5	1	12/18/06	5	U

00011

Report By:EMihaila

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Agriculture & Priority Pollutant Labs,Incorporated
Project Name : 52412
Project Number : NA
Sample Matrix : WATER

Service Request : K0610937
Date Collected : 12/12/06
Date Received : 12/14/06

Flashpoint

Units : DEG C
Basis : NA

Analysis Method : 1020
Test Notes :

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Analyzed	Result	Result Notes
IDW121206	K0610937-001	-	-	1	12/15/06	>110	
Method Blank	K0610937-MB	-	-	1	12/15/06	>110	

00015

Report By:EMihaila

TBT Water

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $TBT-061224A-108434

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
TBT GC/MS	Tributyl Tin	Not detected	0.05	0.025	ug/L	12/14/06	12/19/06
TBT GC/MS	Surrogate: Tetra-n-propyltin	137	40-160		%	12/14/06	12/19/06

Run #: 89
Instrument: LINUS
Sequence: L061201
Dilution Factor: 1
Initials: KS

Printed: 12/28/06 1:44:54 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Wet Lab Analysis

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

APPL ID: AX54336
ARF: 52412

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date
9010B/9014	Cyanide	Not Detected	10	5.0	ug/L	12/22/06	12/22/06
EPA 150.1	pH	5.22 @ 18.6C			pH Units	12/13/06	12/13/06
EPA 160.1	Total Dissolved Solids	3540000	100000	44000	ug/L	12/13/06	12/13/06
EPA 160.2	Total Suspended Solids	10.0	10	1.18	mg/L	12/14/06	12/14/06
EPA 1664	Oil & Grease	Not detected	5.0	3.3	mg/L	12/14/06	12/14/06
EPA 300.0	Bromide	4.0	0.5	0.05	mg/L	12/13/06	12/13/06
EPA 300.0	Chloride	1950	5	0.40	mg/L	12/14/06	12/14/06
EPA 300.0	Chloride	2090 E	1	0.08	mg/L	12/13/06	12/13/06
EPA 300.0	Fluoride	0.14	0.1	0.08	mg/L	12/13/06	12/13/06
EPA 300.0	Nitrate-N	1.6	0.2	0.004	mg/L	12/13/06	12/13/06
EPA 300.0	Nitrite-N	Not Detected	0.5	0.05	mg/L	12/14/06	12/14/06
EPA 300.0	Phosphate-P	5.7	0.2	0.07	mg/L	12/13/06	12/13/06
EPA 300.0	Sulfate	193	5	0.45	mg/L	12/14/06	12/14/06
EPA 300.0	Sulfate	230 E	1	0.09	mg/L	12/13/06	12/13/06
EPA 350.1	Ammonia as N	Not detected	0.35	0.122	mg/L	12/19/06	12/21/06
EPA 351.2	Total Kjeldahl Nitrogen	79.1 E	0.50	0.267	mg/L	12/15/06	12/18/06
EPA 351.2	Total Kjeldahl Nitrogen	101	2.5	0.267	mg/L	12/15/06	12/18/06
EPA 376.1	Sulfide	Not detected	1.0	0.60	mg/L	12/13/06	12/13/06
EPA 7199	Hexavalent Chromium	32.6	2.5	0.45	ug/L	12/13/06	12/13/06
SM2520B	Salinity	2.8	2	0.38	s	12/13/06	12/13/06

E = The reported value exceeds linear range.

Printed: 01/10/07 4:41:58 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date
6010B/3010A	Aluminum (Al)	485	100	19.3	ug/L	12/20/06	12/21/06
6010B/3010A	Antimony (Sb)	11.4	5	1.84	ug/L	12/20/06	12/21/06
6010B/3010A	Arsenic (As)	Not detected	5	2.45	ug/L	12/20/06	12/21/06
6010B/3010A	Barium (Ba)	98.7	5	0.75	ug/L	12/20/06	12/21/06
6010B/3010A	Beryllium (Be)	Not detected	2	0.24	ug/L	12/20/06	12/21/06
6010B/3010A	Cadmium (Cd)	0.83 J	5	0.51	ug/L	12/20/06	12/21/06
6010B/3010A	Chromium (Cr)	24.7	5	1.37	ug/L	12/20/06	12/21/06
6010B/3010A	Cobalt (Co)	Not detected	5	0.63	ug/L	12/20/06	12/21/06
6010B/3010A	Copper (Cu)	80.2	5	0.97	ug/L	12/20/06	12/21/06
6010B/3010A	Lead (Pb)	Not detected	5	1.85	ug/L	12/20/06	12/21/06
6010B/3010A	Manganese (Mn)	619	5	1.23	ug/L	12/22/06	12/28/06
7470A/7470A	Mercury (Hg)	2.9	0.2	0.041	ug/L	12/20/06	12/21/06
6010B/3010A	Nickel (Ni)	67.8	5	3.61	ug/L	12/20/06	12/21/06
6010B/3010A	Selenium (Se)	8.6	5	3.17	ug/L	12/20/06	12/21/06
6010B/3010A	Silver (Ag)	Not detected	1	0.73	ug/L	12/22/06	12/28/06
6010B/3010A	Thallium (Tl)	Not detected	5	1.97	ug/L	12/20/06	12/21/06
6010B/3010A	Zinc (Zn)	264	50	2.3	ug/L	12/20/06	12/21/06

J = Estimated value.

Printed: 12/29/06 10:59:42 AM
PL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C - 1,4-Dioxane

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $14HP-061214A-108828

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8270C	1,4-Dioxane	Not detected	50.0	8.100	ug/L	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (FBP)	DO	43-116		%	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (NBZ)	DO	35-114		%	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (TPH)	DO	33-141		%	12/14/06	1/10/07

DO = Diluted Out.

Run #: 0110Y004
Instrument: YODA
Sequence: Y070103
Dilution Factor: 50
Initials: LF

Printed: 1/10/07 6:12:50 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPH Diesel Water

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $DIHP-061219B-108496

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	14000 ++	250	202.0	ug/L	12/19/06	12/29/06
EPA 8015B-	Motor Oil	9900	2500	530	ug/L	12/19/06	12/29/06
EPA 8015B-	Surrogate: Octacosane	DO	60-140		%	12/19/06	12/29/06
EPA 8015B-	Surrogate: Ortho-Terphenyl	DO	60-140		%	12/19/06	12/29/06

DO = Diluted Out.
++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Run #: 1228057
Instrument: Apollo
Sequence: 061228
Dilution Factor: 5
Initials: LA

Printed: 1/10/07 11:57:17 AM
APPL-F1-SC-NoMC-REG MDLs

Gas-Water

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $GAHP-061221A-108414

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	320 ++	20	8.6	ug/L	12/21/06	12/21/06
8015	Surrogate: BFB-FID	98.9	75-125		%	12/21/06	12/21/06

++(G1) The analyst has noted that the chromatogram of this sample includes a wide range of hydrocarbons which does not match our gasoline standard.

Run #: .1221H12
Instrument: Harpo
Sequence: 061212
Dilution Factor: 1
Initials: LF

Printed: 1/10/07 2:05:16 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $87HP-061214A-108816

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8270C	1,2,4-Trichlorobenzene	Not detected	500	65.0	ug/L	12/14/06	1/10/07
EPA 8270C	1,2-DCB	Not detected	500	55.0	ug/L	12/14/06	1/10/07
EPA 8270C	1,3-DCB	Not detected	500	50.0	ug/L	12/14/06	1/10/07
EPA 8270C	1,4-DCB	Not detected	500	50.0	ug/L	12/14/06	1/10/07
EPA 8270C	2,4,6-Trichlorophenol	Not detected	500	125.0	ug/L	12/14/06	1/10/07
EPA 8270C	2,4-Dichlorophenol	Not detected	500	125.0	ug/L	12/14/06	1/10/07
EPA 8270C	2,4-Dimethylphenol	Not detected	500	120.0	ug/L	12/14/06	1/10/07
EPA 8270C	2,4-Dinitrophenol	Not detected	2500	90.0	ug/L	12/14/06	1/10/07
EPA 8270C	2,4-DNT	Not detected	500	135.0	ug/L	12/14/06	1/10/07
EPA 8270C	2,6-DNT	Not detected	500	135.0	ug/L	12/14/06	1/10/07
EPA 8270C	2-Chloronaphthalene	Not detected	500	100.0	ug/L	12/14/06	1/10/07
EPA 8270C	2-Chlorophenol	Not detected	500	100.0	ug/L	12/14/06	1/10/07
EPA 8270C	2-Methylnaphthalene	Not detected	500	90.0	ug/L	12/14/06	1/10/07
EPA 8270C	2-Methylphenol	Not detected	500	95.0	ug/L	12/14/06	1/10/07
EPA 8270C	2-Nitrophenol	Not detected	500	105.0	ug/L	12/14/06	1/10/07
EPA 8270C	3,3'-Dichlorobenzidine	Not detected	1000	150.0	ug/L	12/14/06	1/10/07
EPA 8270C	4,6-Dinitro-2-methylphenol	Not detected	2500	110.0	ug/L	12/14/06	1/10/07
EPA 8270C	4-Bromophenyl phenyl ether	Not detected	500	130.0	ug/L	12/14/06	1/10/07
EPA 8270C	4-Chloro-3-methylphenol	Not detected	1000	130.0	ug/L	12/14/06	1/10/07
EPA 8270C	4-Chlorophenyl phenyl ether	Not detected	500	130.0	ug/L	12/14/06	1/10/07
EPA 8270C	4-Methylphenol	Not detected	500	85.0	ug/L	12/14/06	1/10/07
EPA 8270C	4-Nitrophenol	Not detected	2500	40.0	ug/L	12/14/06	1/10/07
EPA 8270C	Acenaphthene	Not detected	500	115.0	ug/L	12/14/06	1/10/07
EPA 8270C	Acenaphthylene	Not detected	500	115.0	ug/L	12/14/06	1/10/07
EPA 8270C	Anthracene	Not detected	500	140.0	ug/L	12/14/06	1/10/07
EPA 8270C	Benz (a) anthracene	Not detected	500	130.0	ug/L	12/14/06	1/10/07
EPA 8270C	Benzo (a) pyrene	Not detected	500	125.0	ug/L	12/14/06	1/10/07
EPA 8270C	Benzo (b) fluoranthene	Not detected	500	145.0	ug/L	12/14/06	1/10/07
EPA 8270C	Benzo (g,h,i) perylene	Not detected	500	125.0	ug/L	12/14/06	1/10/07
EPA 8270C	Benzo (k) fluoranthene	Not detected	500	145.0	ug/L	12/14/06	1/10/07
EPA 8270C	Benzoic acid	Not detected	2500	50.0	ug/L	12/14/06	1/10/07
EPA 8270C	Benzyl alcohol	Not detected	1000	100.0	ug/L	12/14/06	1/10/07
EPA 8270C	Bis (2-chloroethoxy) methane	Not detected	500	120.0	ug/L	12/14/06	1/10/07
EPA 8270C	Bis (2-chloroethyl) ether	Not detected	500	110.0	ug/L	12/14/06	1/10/07
EPA 8270C	Bis (2-chloroisopropyl) ether	Not detected	500	100.0	ug/L	12/14/06	1/10/07
EPA 8270C	Bis (2-ethylhexyl) phthalate	Not detected	250	145.0	ug/L	12/14/06	1/10/07

DO = Diluted Out.

Run #: 0110Y004
Instrument: YODA
Sequence: Y070103
Dilution Factor: 50
Initials: LF

Printed: 1/10/07 2:39:01 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $87HP-061214A-108816

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8270C	Butyl benzylphthalate	Not detected	500	140.0	ug/L	12/14/06	1/10/07
EPA 8270C	Chrysene	Not detected	500	140.0	ug/L	12/14/06	1/10/07
EPA 8270C	Di-n-butylphthalate	Not detected	500	160.0	ug/L	12/14/06	1/10/07
EPA 8270C	Di-n-octylphthalate	Not detected	500	130.0	ug/L	12/14/06	1/10/07
EPA 8270C	Dibenz (a,h) anthracene	Not detected	500	125.0	ug/L	12/14/06	1/10/07
EPA 8270C	Dibenzofuran	Not detected	500	120.0	ug/L	12/14/06	1/10/07
EPA 8270C	Diethyl phthalate	Not detected	500	150.0	ug/L	12/14/06	1/10/07
EPA 8270C	Dimethyl phthalate	Not detected	500	145.0	ug/L	12/14/06	1/10/07
EPA 8270C	Fluoranthene	Not detected	500	145.0	ug/L	12/14/06	1/10/07
EPA 8270C	Fluorene	Not detected	500	125.0	ug/L	12/14/06	1/10/07
EPA 8270C	Hexachlorobenzene	Not detected	500	135.0	ug/L	12/14/06	1/10/07
EPA 8270C	Hexachlorobutadiene	Not detected	500	45.0	ug/L	12/14/06	1/10/07
EPA 8270C	Hexachlorocyclopentadiene	Not detected	500	40.0	ug/L	12/14/06	1/10/07
EPA 8270C	Hexachloroethane	Not detected	250	40.0	ug/L	12/14/06	1/10/07
EPA 8270C	Indeno (1,2,3-cd) pyrene	Not detected	500	120.0	ug/L	12/14/06	1/10/07
EPA 8270C	Isophorone	Not detected	500	125.0	ug/L	12/14/06	1/10/07
EPA 8270C	n-Nitrosodi-n-propylamine	Not detected	500	110.0	ug/L	12/14/06	1/10/07
EPA 8270C	n-Nitrosodimethylamine	Not detected	500	85.0	ug/L	12/14/06	1/10/07
EPA 8270C	n-Nitrosodiphenylamine	Not detected	500	135.0	ug/L	12/14/06	1/10/07
EPA 8270C	Naphthalene	Not detected	500	90.0	ug/L	12/14/06	1/10/07
EPA 8270C	Nitrobenzene	Not detected	500	105.0	ug/L	12/14/06	1/10/07
EPA 8270C	Pentachlorophenol	Not detected	250	140.0	ug/L	12/14/06	1/10/07
EPA 8270C	Phenanthrene	Not detected	500	135.0	ug/L	12/14/06	1/10/07
EPA 8270C	Phenol	Not detected	250	50.0	ug/L	12/14/06	1/10/07
EPA 8270C	Pyrene	Not detected	500	140.0	ug/L	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (2FP)	DO	21-110		%	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (FBP)	DO	43-116		%	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (NBZ)	DO	35-114		%	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (PHL)	DO	10-110		%	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (TBP)	DO	10-123		%	12/14/06	1/10/07
EPA 8270C	Surrogate recovery (TPH)	DO	33-141		%	12/14/06	1/10/07

DO = Diluted Out.

Run #: 0110Y004
Instrument: YODA
Sequence: Y070103
Dilution Factor: 50
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8082 PCB WATER

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $8PHP-061219A-108454

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8082	PCB-1016	Not detected	100	48.00	ug/L	12/19/06	12/21/06
EPA 8082	PCB-1221	Not detected	100	32.00	ug/L	12/19/06	12/21/06
EPA 8082	PCB-1232	Not detected	100	48.00	ug/L	12/19/06	12/21/06
EPA 8082	PCB-1242	Not detected	100	48.00	ug/L	12/19/06	12/21/06
EPA 8082	PCB-1248	Not detected	100	36.00	ug/L	12/19/06	12/21/06
EPA 8082	PCB-1254	Not detected	100	80.00	ug/L	12/19/06	12/21/06
EPA 8082	PCB-1260	Not detected	100	36.00	ug/L	12/19/06	12/21/06
EPA 8082	Surrogate: DECA-PCB	DO	30-150		%	12/19/06	12/21/06
EPA 8082	Surrogate: TcMX	DO	30-150		%	12/19/06	12/21/06

DO = Diluted Out.

Run #: 89
Instrument: ETHEL
Sequence: 061207
Dilution Factor: 400
Initials: MA

Printed: 12/29/06 12:41:21 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8081A OCL WATER

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/06

ARF: 52412
APPL ID: AX54336
QCG: $81HP-061219A-108453

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8081A	4,4'-DDE	Not detected	4.0	1.600	ug/L	12/19/06	12/21/06
EPA 8081A	4,4'-DDT	Not detected	4.0	2.800	ug/L	12/19/06	12/21/06
EPA 8081A	4,4'-TDE/DDD	Not detected	4.0	1.200	ug/L	12/19/06	12/21/06
EPA 8081A	a-BHC	Not detected	4.0	2.000	ug/L	12/19/06	12/21/06
EPA 8081A	a-Chlordane	Not detected	4.0	2.800	ug/L	12/19/06	12/21/06
EPA 8081A	Aldrin	Not detected	4.0	3.600	ug/L	12/19/06	12/21/06
EPA 8081A	b-BHC	Not detected	4.0	3.200	ug/L	12/19/06	12/21/06
EPA 8081A	d-BHC	Not detected	4.0	2.000	ug/L	12/19/06	12/21/06
EPA 8081A	Dieldrin	Not detected	4.0	2.000	ug/L	12/19/06	12/21/06
EPA 8081A	Endosulfan I	Not detected	4.0	2.000	ug/L	12/19/06	12/21/06
EPA 8081A	Endosulfan II	Not detected	4.0	1.600	ug/L	12/19/06	12/21/06
EPA 8081A	Endosulfan sulfate	Not detected	4.0	2.000	ug/L	12/19/06	12/21/06
EPA 8081A	Endrin	Not detected	4.0	2.800	ug/L	12/19/06	12/21/06
EPA 8081A	Endrin aldehyde	Not detected	4.0	3.600	ug/L	12/19/06	12/21/06
EPA 8081A	Endrin ketone	Not detected	4.0	2.400	ug/L	12/19/06	12/21/06
EPA 8081A	g-BHC (Lindane)	Not detected	4.0	2.000	ug/L	12/19/06	12/21/06
EPA 8081A	g-Chlordane	Not detected	4.0	2.400	ug/L	12/19/06	12/21/06
EPA 8081A	Heptachlor	Not detected	4.0	3.200	ug/L	12/19/06	12/21/06
EPA 8081A	Heptachlor epoxide	Not detected	4.0	2.800	ug/L	12/19/06	12/21/06
EPA 8081A	Methoxychlor	Not detected	4.0	3.200	ug/L	12/19/06	12/21/06
EPA 8081A	Toxaphene	Not detected	155	152.00	ug/L	12/19/06	12/21/06
EPA 8081A	Surrogate: DECA	DO	30-150		%	12/19/06	12/21/06
EPA 8081A	Surrogate: TCmX	DO	30-150		%	12/19/06	12/21/06

DO = Diluted Out.

Run #: 89
Instrument: ETHEL
Sequence: 061207
Dilution Factor: 400
Initials: MA

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/2006

ARF: 52412
APPL ID: AX54336
QCG: $86HP-061225AC-108451

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1,2-Tetrachloroethane	3.8	0.5	0.13	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,1,1-Trichloroethane	1.5	0.5	0.14	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,1,2,2-Tetrachloroethane	3.0	0.5	0.27	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,1,2-Trichloroethane	4.2	0.5	0.2	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,1-Dichloroethane	3.4	1	0.19	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,1-Dichloroethene	0.55	0.5	0.30	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,2,3-Trichloropropane	3.1	1	0.39	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,2,4-Trichlorobenzene	1.3	0.5	0.21	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,2-Dibromo-3-Chloropropane	Not detected	2	0.76	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,2-Dichlorobenzene	4.3	0.5	0.17	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,2-Dichloroethane	3.1	0.5	0.14	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,2-Dichloropropane	4.1	0.5	0.17	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,3-Dichlorobenzene	0.86	0.5	0.11	ug/L	12/26/2006	12/26/2006
EPA 8260B	1,4-Dichlorobenzene	6.6	0.5	0.19	ug/L	12/26/2006	12/26/2006
EPA 8260B	Benzene	470 E	0.5	0.16	ug/L	12/26/2006	12/26/2006
EPA 8260B	Bromobenzene	4.7	0.5	0.16	ug/L	12/26/2006	12/26/2006
EPA 8260B	Bromodichloromethane	130 E	0.5	0.14	ug/L	12/26/2006	12/26/2006
EPA 8260B	Bromoform	270 E	0.5	0.14	ug/L	12/26/2006	12/26/2006
EPA 8260B	Bromomethane	Not detected	1	0.24	ug/L	12/26/2006	12/26/2006
EPA 8260B	Carbon tetrachloride	100 E	0.5	0.10	ug/L	12/26/2006	12/26/2006
EPA 8260B	Chlorobenzene	29	0.5	0.21	ug/L	12/26/2006	12/26/2006
EPA 8260B	Chloroethane	Not detected	0.5	0.21	ug/L	12/26/2006	12/26/2006
EPA 8260B	Chloroform	360 E	0.5	0.16	ug/L	12/26/2006	12/26/2006
EPA 8260B	Chloromethane	Not detected	0.5	0.31	ug/L	12/26/2006	12/26/2006
EPA 8260B	cis-1,2-Dichloroethene	0.91	0.5	0.16	ug/L	12/26/2006	12/26/2006
EPA 8260B	cis-1,3-Dichloropropene	Not detected	0.5	0.15	ug/L	12/26/2006	12/26/2006
EPA 8260B	Dibromochloromethane	160 E	0.5	0.19	ug/L	12/26/2006	12/26/2006
EPA 8260B	Dibromomethane	Not detected	0.5	0.20	ug/L	12/26/2006	12/26/2006
EPA 8260B	Dichlorodifluoromethane	Not detected	1	0.19	ug/L	12/26/2006	12/26/2006
EPA 8260B	Ethyl benzene	Not detected	0.5	0.23	ug/L	12/26/2006	12/26/2006
EPA 8260B	Freon-113	Not detected	0.5	0.21	ug/L	12/26/2006	12/26/2006
EPA 8260B	Methylene chloride	37	5	0.35	ug/L	12/26/2006	12/26/2006
EPA 8260B	MTBE	Not detected	0.5	0.19	ug/L	12/26/2006	12/26/2006
EPA 8260B	Tetrachloroethene	7.4	0.5	0.15	ug/L	12/26/2006	12/26/2006
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	12/26/2006	12/26/2006
EPA 8260B	trans-1,2-Dichloroethene	0.49 J	0.5	0.19	ug/L	12/26/2006	12/26/2006

J = Estimated value.
E = The reported value exceeds linear range.
# = Recovery (or RPD) is outside QC limits.

Run #: 1226C14
Instrument: Chico
Sequence: C061224
Dilution Factor: 1
Initials: ND

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EPA 8260B

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunters Point Shipyard
Sample ID: IDW121206
Sample Collection Date: 12/12/2006

ARF: 52412
APPL ID: AX54336
QCG: $86HP-061225AC-108451

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	trans-1,3-Dichloropropene	Not detected	0.5	0.18	ug/L	12/26/2006	12/26/2006
EPA 8260B	Trichloroethene	7.4	0.5	0.16	ug/L	12/26/2006	12/26/2006
EPA 8260B	Trichlorofluoromethane	0.24 J	0.5	0.24	ug/L	12/26/2006	12/26/2006
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	12/26/2006	12/26/2006
EPA 8260B	Xylenes	Not detected	0.5	0.19	ug/L	12/26/2006	12/26/2006
EPA 8260B	Surrogate Recovery (BFB)	29.9 #	86-115		%	12/26/2006	12/26/2006
EPA 8260B	Surrogate Recovery (DCA)	110	76-114		%	12/26/2006	12/26/2006
EPA 8260B	Surrogate Recovery (TOL)	22.9 #	88-110		%	12/26/2006	12/26/2006

J = Estimated value.
E = The reported value exceeds linear range.
# = Recovery (or RPD) is outside QC limits.

Run #: 1225C14
Instrument: Chico
Sequence: C061224
Dilution Factor: 1
Initials: ND

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

Appendix F.
Laboratory Analytical Reports and Data Validation Reports

APPENDIX F – LABORATORY ANALYTICAL REPORTS AND DATA VALIDATION REPORTS

RAW ANALYTICAL DATA IS NOT REQUIRED TO BE LOCATED AT OR NEAR THE INSTALLATION AND INFORMATION REPOSITORY.

FOR ADDITIONAL INFORMATION, CONTACT:

DIANE C. SILVA, RECORDS MANAGER
NAVAL FACILITIES ENGINEERING COMMAND, SOUTHWEST
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TELEPHONE: (619) 532-3676
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Appendix G.
Analytical Results for October-December 2006

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR06MW42A	Utility Line	0650G051	CLP MERCURY	FIL	MERCURY	0.47	UG/L	U	0.2
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	ANTIMONY	8.8	UG/L	U	60
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	ARSENIC	6.3	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	BARIUM	398	UG/L		200
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	CALCIUM	63100	UG/L		5000
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	IRON	15200	UG/L		100
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	MAGNESIUM	83900	UG/L		5000
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	MANGANESE	614	UG/L		15
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	NICKEL	3.9	UG/L	J	40
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	POTASSIUM	15600	UG/L		5000
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP METALS	DIL	SODIUM	315000	UG/L		50000
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR06MW42A	Utility Line	0650G051	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	4,4'-DDD	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	4,4'-DDE	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	4,4'-DDT	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	ALDRIN	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	alpha-BHC	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	AROCLOR-1016	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	AROCLOR-1221	0.4	UG/L	U	0.4
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	AROCLOR-1232	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	AROCLOR-1242	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	AROCLOR-1248	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	AROCLOR-1254	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	beta-BHC	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	delta-BHC	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	DIELDRIN	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	ENDOSULFAN I	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	ENDOSULFAN II	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	ENDOSULFAN SULFATE	0.02	UG/L	U	0.02

Analytical Results October to December 2006

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	ENDRIN	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	ENDRIN ALDEHYDE	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	ENDRIN KETONE	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	gamma-BHC (LINDANE)	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	HEPTACHLOR	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	HEPTACHLOR EPOXIDE	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	METHOXYCHLOR	0.1	UG/L	U	0.1
IR06MW42A	Utility Line	0650G051	CLP PESTICIDES	NORM	TOXAPHENE	1	UG/L	U	1
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	1,1'-BIPHENYL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2,4,5-TRICHLOROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2,4,6-TRICHLOROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2,4-DICHLOROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2,4-DIMETHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2,4-DINITROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2,4-DINITROTOLUENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2,6-DINITROTOLUENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2-CHLORONAPHTHALENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2-CHLOROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2-METHYLNAPHTHALENE	9.5	UG/L	J	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2-METHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2-NITROANILINE	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	2-NITROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	3,3'-DICHLOROBENZIDINE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	3-NITROANILINE	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4-BROMOPHENYL PHENYL ETHER	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4-CHLORO-3-METHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4-CHLOROANILINE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4-METHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4-NITROANILINE	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	4-NITROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	ACENAPHTHENE	42	UG/L		10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	ACENAPHTHYLENE	2.9	UG/L	J	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	ACETOPHENONE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	ANTHRACENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	ATRAZINE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BENZALDEHYDE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BENZO(ghi)PERYLENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	BUTYL BENZYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	CAPROLACTAM	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	CARBAZOLE	4.0	UG/L	J	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	DIBENZOFURAN	11	UG/L		10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	DIETHYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	DIMETHYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	DI-n-BUTYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	DI-n-OCTYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	FLUORANTHENE	4.5	UG/L	J	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	FLUORENE	12	UG/L		10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	HEXACHLOROBENZENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	HEXACHLOROBUTADIENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	HEXACHLOROETHANE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	ISOPHORONE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	NAPHTHALENE	70	UG/L		10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	NITROBENZENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	N-NITROSODI-n-PROPYLAMINE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	N-NITROSODIPHENYLAMINE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	PENTACHLOROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	PHENANTHRENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	PHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	PROPANE, 2,2'-OXYBIS[1-CHLORO-	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP SEMIVOLATILES	NORM	PYRENE	10	UG/L	U	10
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	ETHYL BENZENE	0.55	UG/L		0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.35	UG/L	J	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	TOLUENE	0.27	UG/L	J	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0650G051	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.80	UG/L	J	0.5
IR06MW42A	Utility Line	0650G051	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	17.0	MG/L		10
IR06MW42A	Utility Line	0650G051	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5

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IR06MW42A	Utility Line	0650G051	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR06MW42A	Utility Line	0650G051	EPA 8015-M	NORM	DIESEL	1200	UG/L	Z	50
IR06MW42A	Utility Line	0650G051	EPA 8015-M	NORM	MOTOR OIL	440	UG/L	J	500
IR07MW19A	POC	0646H001	CLP MERCURY	FIL	MERCURY	0.2	UG/L	U	0.2
IR07MW19A	POC	0646H001	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW19A	POC	0646H001	CLP METALS	RA0	ANTIMONY	60	UG/L	UJ	60
IR07MW19A	POC	0646H001	CLP METALS	FIL	ARSENIC	2.6	UG/L	U	10
IR07MW19A	POC	0646H001	CLP METALS	FIL	BARIUM	78.0	UG/L	J	200
IR07MW19A	POC	0646H001	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW19A	POC	0646H001	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW19A	POC	0646H001	CLP METALS	DIL1	CALCIUM	279000	UG/L	J	25000
IR07MW19A	POC	0646H001	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW19A	POC	0646H001	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR07MW19A	POC	0646H001	CLP METALS	FIL	COPPER	25.0	UG/L		25
IR07MW19A	POC	0646H001	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW19A	POC	0646H001	CLP METALS	FIL	LEAD	8.7	UG/L	J	10
IR07MW19A	POC	0646H001	CLP METALS	DIL2	MAGNESIUM	841000	UG/L	J	50000
IR07MW19A	POC	0646H001	CLP METALS	FIL	MANGANESE	15	UG/L	UJ	15
IR07MW19A	POC	0646H001	CLP METALS	FIL	NICKEL	20.7	UG/L	J	40
IR07MW19A	POC	0646H001	CLP METALS	DIL2	POTASSIUM	236000	UG/L	J	50000
IR07MW19A	POC	0646H001	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW19A	POC	0646H001	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW19A	POC	0646H001	CLP METALS	DIL3	SODIUM	7610000	UG/L		1000000
IR07MW19A	POC	0646H001	CLP METALS	FIL	THALLIUM	7.9	UG/L	J	25
IR07MW19A	POC	0646H001	CLP METALS	FIL	VANADIUM	4.9	UG/L	J	50
IR07MW19A	POC	0646H001	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CHLOROETHANE	0.21	UG/L	J	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CHLOROFORM	0.17	UG/L	J	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW19A	POC	0646H001	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	2.0	MG/L	J	10
IR07MW19A	POC	0646H001	EPA 7199	NORM	HEXAVALENT CHROMIUM	9.2	UG/L		0.5
IR07MW19A	POC	0646H001	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW19A	POC	0646H001	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW19A	POC	0646H001	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW20A1	Post-Remedial Action	0646H002	CLP MERCURY	FIL	MERCURY	0.2	UG/L	U	0.2
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	RA0	ANTIMONY	3.2	UG/L	UJ	60

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	ARSENIC	2.9	UG/L	U	10
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	BARIUM	50.5	UG/L	J	200
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	CADMIUM	0.80	UG/L	J	5
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	DIL1	CALCIUM	338000	UG/L	J	25000
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	CHROMIUM	8.2	UG/L	J	10
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	COPPER	16.4	UG/L	J	25
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	LEAD	7.5	UG/L	J	10
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	DIL2	MAGNESIUM	976000	UG/L	J	50000
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	MANGANESE	15	UG/L	UJ	15
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	NICKEL	30.6	UG/L	J	40
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	DIL2	POTASSIUM	303000	UG/L	J	50000
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	DIL3	SODIUM	9020000	UG/L		1000000
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	THALLIUM	9.7	UG/L	J	25
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	VANADIUM	4.7	UG/L	J	50
IR07MW20A1	Post-Remedial Action	0646H002	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5

Analytical Results October to December 2006

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0646H002	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR07MW20A1	Post-Remedial Action	0646H002	EPA 7199	NORM	HEXAVALENT CHROMIUM	20.1	UG/L		0.5
IR07MW20A1	Post-Remedial Action	0646H002	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW20A1	Post-Remedial Action	0646H002	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW20A1	Post-Remedial Action	0646H002	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW21A1	Post-Remedial Action	0646B002	CLP MERCURY	FIL	MERCURY	0.089	UG/L	U	0.2
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	RA0	ANTIMONY	60	UG/L	UJ	60
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	BARIUM	116	UG/L	J	200
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	DIL	CALCIUM	150000	UG/L	J	25000
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	LEAD	4.2	UG/L	J	10
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	MAGNESIUM	97300	UG/L	J	5000
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	MANGANESE	801	UG/L	J	15
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	NICKEL	28.3	UG/L	J	40
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	POTASSIUM	13800	UG/L	J	5000
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	DIL	SODIUM	169000	UG/L		25000
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	THALLIUM	25	UG/L	UJ	25
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	VANADIUM	2.1	UG/L	J	50
IR07MW21A1	Post-Remedial Action	0646B002	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR07MW21A1	Post-Remedial Action	0646B002	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0646B002	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW21A1	Post-Remedial Action	0646B002	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW21A1	Post-Remedial Action	0646B002	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW24A	Post-Remedial Action	0646G002	CLP MERCURY	FIL	MERCURY	0.11	UG/L	U	0.2
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	RA0	ANTIMONY	60	UG/L	UJ	60
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	BARIUM	130	UG/L	J	200
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	DIL	CALCIUM	160000	UG/L	J	25000
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	COPPER	2.3	UG/L	J	25
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	IRON	74.3	UG/L	J	100
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	LEAD	4.1	UG/L	J	10
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	MAGNESIUM	82500	UG/L	J	5000
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	MANGANESE	585	UG/L	J	15

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	NICKEL	28.7	UG/L	J	40
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	POTASSIUM	14700	UG/L	J	5000
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	SELENIUM	3.6	UG/L	U	35
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	DIL3	SODIUM	220000	UG/L		25000
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	THALLIUM	25	UG/L	UJ	25
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	VANADIUM	2.7	UG/L	J	50
IR07MW24A	Post-Remedial Action	0646G002	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5

Analytical Results October to December 2006

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	2.0	MG/L	J	10
IR07MW24A	Post-Remedial Action	0646G002	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0646G002	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW24A	Post-Remedial Action	0646G002	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW24A	Post-Remedial Action	0646G002	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW25A	Post-Remedial Action	0646B001	CLP MERCURY	FIL	MERCURY	0.29	UG/L	U	1
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	RA0	ANTIMONY	4.7	UG/L	UJ	60
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	BARIUM	159	UG/L	J	200
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	DIL1	CALCIUM	139000	UG/L	J	25000
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	COPPER	3.3	UG/L	J	25
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	IRON	33.9	UG/L	J	100
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	LEAD	4.1	UG/L	J	10
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	MAGNESIUM	84200	UG/L	J	5000
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	MANGANESE	858	UG/L	J	15
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	NICKEL	22.6	UG/L	J	40
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	POTASSIUM	24300	UG/L	J	5000
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	DIL2	SODIUM	615000	UG/L		100000
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	THALLIUM	25	UG/L	UJ	25

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	VANADIUM	2.1	UG/L	J	50
IR07MW25A	Post-Remedial Action	0646B001	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	2.0	MG/L	J	10
IR07MW25A	Post-Remedial Action	0646B001	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0646B001	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW25A	Post-Remedial Action	0646B001	EPA 8015-M	NORM	DIESEL	170	UG/L	H	50
IR07MW25A	Post-Remedial Action	0646B001	EPA 8015-M	NORM	MOTOR OIL	440	UG/L	J	500
IR07MW26A	Post-Remedial Action	0646W001	CLP MERCURY	FIL	MERCURY	0.52	UG/L	J	1
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	RA0	ANTIMONY	60	UG/L	UJ	60
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	BARIUM	217	UG/L	J	200
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	DIL1	CALCIUM	377000	UG/L	J	25000
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	COPPER	24.5	UG/L	J	25
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	LEAD	7.9	UG/L	J	10
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	DIL2	MAGNESIUM	906000	UG/L	J	50000
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	MANGANESE	107	UG/L	J	15
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	NICKEL	16.4	UG/L	J	40
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	DIL2	POTASSIUM	275000	UG/L	J	50000
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	DIL3	SODIUM	7920000	UG/L		1000000
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	THALLIUM	10.7	UG/L	J	25
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	VANADIUM	3.2	UG/L	J	50
IR07MW26A	Post-Remedial Action	0646W001	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0646W001	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	2.0	MG/L	J	10
IR07MW26A	Post-Remedial Action	0646W001	EPA 7199	NORM	HEXAVALENT CHROMIUM	8.0	UG/L		0.5
IR07MW26A	Post-Remedial Action	0646W001	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW26A	Post-Remedial Action	0646W001	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW26A	Post-Remedial Action	0646W001	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP MERCURY	FIL	MERCURY	0.083	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	BARIUM	189	UG/L	J	200
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	DIL	CALCIUM	162000	UG/L		25000
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	COBALT	2.5	UG/L	J	50
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	IRON	9430	UG/L		100
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	MAGNESIUM	46800	UG/L		5000
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	MANGANESE	976	UG/L		15
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	NICKEL	40	UG/L	U	40
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	POTASSIUM	11500	UG/L		5000
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	SELENIUM	8.9	UG/L	J	35
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	DIL	SODIUM	127000	UG/L		25000
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	THALLIUM	3.1	UG/L	J	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	4,4'-DDD	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	4,4'-DDE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	4,4'-DDT	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	ALDRIN	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	alpha-BHC	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	AROCLOR-1016	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	AROCLOR-1221	0.4	UG/L	U	0.4
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	AROCLOR-1232	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	AROCLOR-1242	0.2	UG/L	U	0.2

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	AROCLOR-1248	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	AROCLOR-1254	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	beta-BHC	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	delta-BHC	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	DIELDRIN	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	ENDOSULFAN I	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	ENDOSULFAN II	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	ENDOSULFAN SULFATE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	ENDRIN	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	ENDRIN ALDEHYDE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	ENDRIN KETONE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	gamma-BHC (LINDANE)	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	HEPTACHLOR	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	HEPTACHLOR EPOXIDE	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	METHOXYCHLOR	0.1	UG/L	U	0.1
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP PESTICIDES	NORM	TOXAPHENE	1	UG/L	U	1
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	1,1'-BIPHENYL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2,4,5-TRICHLOROPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2,4,6-TRICHLOROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2,4-DICHLOROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2,4-DIMETHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2,4-DINITROPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2,4-DINITROTOLUENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2,6-DINITROTOLUENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2-CHLORONAPHTHALENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2-CHLOROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2-METHYLNAPHTHALENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2-METHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2-NITROANILINE	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	2-NITROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	3,3'-DICHLOROBENZIDINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	3-NITROANILINE	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4-BROMOPHENYL PHENYL ETHER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4-CHLORO-3-METHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4-CHLOROANILINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4-METHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4-NITROANILINE	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	4-NITROPHENOL	25	UG/L	U	25

Analytical Results October to December 2006

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	ACENAPHTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	ACENAPHTHYLENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	ACETOPHENONE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	ANTHRACENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	ATRAZINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BENZALDEHYDE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BENZO(ghi)PERYLENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	BUTYL BENZYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	CAPROLACTAM	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	CARBAZOLE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	DIBENZOFURAN	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	DIETHYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	DIMETHYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	DI-n-BUTYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	DI-n-OCTYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	FLUORANTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	FLUORENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	HEXACHLOROBENZENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	HEXACHLOROBUTADIENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	HEXACHLOROETHANE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	ISOPHORONE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	NAPHTHALENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	NITROBENZENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	N-NITROSODI-n-PROPYLAMINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	N-NITROSODIPHENYLAMINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	PENTACHLOROPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	PHENANTHRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	PHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	PROPANE, 2,2'-OXYBIS[1-CHLORO-	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP SEMIVOLATILES	NORM	PYRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CHLOROBENZENE	0.28	UG/L	J	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0648D017	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	18.0	MG/L		10
IR07MW28A	On- and Offsite Mitigation	0648D017	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW28A	On- and Offsite Mitigation	0648D017	EPA 8015-M	NORM	DIESEL	230	UG/L	H	50
IR07MW28A	On- and Offsite Mitigation	0648D017	EPA 8015-M	NORM	MOTOR OIL	460	UG/L	J	500
IR07MWS-2	POC	0646G005	CLP MERCURY	FIL	MERCURY	0.60	UG/L	U	1
IR07MWS-2	POC	0646G005	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MWS-2	POC	0646G005	CLP METALS	RA0	ANTIMONY	60	UG/L	UJ	60
IR07MWS-2	POC	0646G005	CLP METALS	FIL	ARSENIC	4.0	UG/L	U	10
IR07MWS-2	POC	0646G005	CLP METALS	FIL	BARIUM	46.0	UG/L	J	200
IR07MWS-2	POC	0646G005	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MWS-2	POC	0646G005	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MWS-2	POC	0646G005	CLP METALS	DIL1	CALCIUM	339000	UG/L	J	25000
IR07MWS-2	POC	0646G005	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MWS-2	POC	0646G005	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR07MWS-2	POC	0646G005	CLP METALS	FIL	COPPER	4.3	UG/L	J	25
IR07MWS-2	POC	0646G005	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MWS-2	POC	0646G005	CLP METALS	FIL	LEAD	7.0	UG/L	J	10
IR07MWS-2	POC	0646G005	CLP METALS	DIL3	MAGNESIUM	1190000	UG/L	J	1000000
IR07MWS-2	POC	0646G005	CLP METALS	FIL	MANGANESE	15	UG/L	UJ	15
IR07MWS-2	POC	0646G005	CLP METALS	FIL	NICKEL	10.5	UG/L	J	40
IR07MWS-2	POC	0646G005	CLP METALS	DIL2	POTASSIUM	334000	UG/L	J	50000
IR07MWS-2	POC	0646G005	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MWS-2	POC	0646G005	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MWS-2	POC	0646G005	CLP METALS	DIL3	SODIUM	9040000	UG/L		1000000
IR07MWS-2	POC	0646G005	CLP METALS	FIL	THALLIUM	12.7	UG/L	J	25
IR07MWS-2	POC	0646G005	CLP METALS	FIL	VANADIUM	3.0	UG/L	J	50
IR07MWS-2	POC	0646G005	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5

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IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0646G005	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5

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IR07MWS-2	POC	0646G005	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR07MWS-2	POC	0646G005	EPA 7199	NORM	HEXAVALENT CHROMIUM	8.4	UG/L	J	0.5
IR07MWS-2	POC	0646G005	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MWS-2	POC	0646G005	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MWS-2	POC	0646G005	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MWS-4	POC	0646W002	CLP MERCURY	FIL	MERCURY	0.2	UG/L	U	0.2
IR07MWS-4	POC	0646W002	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MWS-4	POC	0646W002	CLP METALS	RA0	ANTIMONY	13.7	UG/L	UJ	60
IR07MWS-4	POC	0646W002	CLP METALS	FIL	ARSENIC	3.6	UG/L	U	10
IR07MWS-4	POC	0646W002	CLP METALS	FIL	BARIUM	280	UG/L	J	200
IR07MWS-4	POC	0646W002	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MWS-4	POC	0646W002	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MWS-4	POC	0646W002	CLP METALS	DIL1	CALCIUM	285000	UG/L	J	25000
IR07MWS-4	POC	0646W002	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MWS-4	POC	0646W002	CLP METALS	FIL	COBALT	15.1	UG/L	UJ	50
IR07MWS-4	POC	0646W002	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR07MWS-4	POC	0646W002	CLP METALS	FIL	IRON	1670	UG/L	J	100
IR07MWS-4	POC	0646W002	CLP METALS	FIL	LEAD	7.6	UG/L	J	10
IR07MWS-4	POC	0646W002	CLP METALS	DIL2	MAGNESIUM	496000	UG/L	J	50000
IR07MWS-4	POC	0646W002	CLP METALS	DIL1	MANGANESE	6980	UG/L	J	75
IR07MWS-4	POC	0646W002	CLP METALS	FIL	NICKEL	16.1	UG/L	J	40
IR07MWS-4	POC	0646W002	CLP METALS	FIL	POTASSIUM	35400	UG/L	J	5000
IR07MWS-4	POC	0646W002	CLP METALS	FIL	SELENIUM	4.4	UG/L	U	35
IR07MWS-4	POC	0646W002	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MWS-4	POC	0646W002	CLP METALS	DIL3	SODIUM	1960000	UG/L		1000000
IR07MWS-4	POC	0646W002	CLP METALS	FIL	THALLIUM	2.2	UG/L	J	25
IR07MWS-4	POC	0646W002	CLP METALS	FIL	VANADIUM	2.9	UG/L	J	50
IR07MWS-4	POC	0646W002	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	7.0	MG/L	J	10
IR07MWS-4	POC	0646W002	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MWS-4	POC	0646W002	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MWS-4	POC	0646W002	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MWS-4	POC	0646W002	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	12	UG/L		0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	1.7	UG/L		0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	TRICHLOROETHENE	4.5	UG/L		0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	VINYL CHLORIDE	1.1	UG/L		0.5
IR10MW13A1	VOC	0646H003	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5

Analytical Results October to December 2006

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	TRICHLOROETHENE	0.32	UG/L	J	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0646G004	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP MERCURY	FIL	MERCURY	0.14	UG/L	U	0.2
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR10MW31A1	POC and VOC	0646D001	CLP METALS	RA0	ANTIMONY	8.7	UG/L	UJ	60
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	ARSENIC	8.8	UG/L	U	10
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	BARIUM	107	UG/L	J	200
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR10MW31A1	POC and VOC	0646D001	CLP METALS	DIL1	CALCIUM	499000	UG/L	U	50000
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	LEAD	10.1	UG/L	J	10
IR10MW31A1	POC and VOC	0646D001	CLP METALS	DIL2	MAGNESIUM	1220000	UG/L	J	100000
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	MANGANESE	1910	UG/L	J	15
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	NICKEL	13.8	UG/L	J	40
IR10MW31A1	POC and VOC	0646D001	CLP METALS	DIL1	POTASSIUM	120000	UG/L	J	50000
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR10MW31A1	POC and VOC	0646D001	CLP METALS	DIL3	SODIUM	5100000	UG/L		1000000
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	THALLIUM	14.3	UG/L	J	25
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	VANADIUM	3.9	UG/L	J	50
IR10MW31A1	POC and VOC	0646D001	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0646D001	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	3.0	MG/L	J	10
IR10MW31A1	POC and VOC	0646D001	EPA 7199	NORM	HEXAVALENT CHROMIUM	6.8	UG/L		0.5
IR10MW31A1	POC and VOC	0646D001	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR10MW31A1	POC and VOC	0646D001	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR10MW31A1	POC and VOC	0646D001	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CARBON DISULFIDE	0.63	UG/L		0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	20	UG/L		0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	3.9	UG/L		0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	TRICHLOROETHENE	0.24	UG/L	J	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	VINYL CHLORIDE	12	UG/L		0.5
IR10MW33A	VOC	0649B023	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW33A	VOC	0649B023	EPA 8270C	NORM	1,4-DIOXANE	1.0	UG/L	U	1.0
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	46	UG/L		0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	UJ	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	6.1	UG/L		0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	TRICHLOROETHENE	11	UG/L		0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	VINYL CHLORIDE	0.42	UG/L	J	0.5
IR10MW59A	VOC	0646H005	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0649H015	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5

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IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	1.7	UG/L		0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.21	UG/L	J	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	TRICHLOROETHENE	1.7	UG/L		0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0649W027	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	12	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	1.5	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	TRICHLOROETHENE	31	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	VINYL CHLORIDE	0.83	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0646H006	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	UJ	1

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	0.28	UG/L	J	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	UJ	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	TRICHLOROETHENE	0.23	UG/L	J	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0646H004	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0646D002	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5

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Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0649B019	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP MERCURY	FIL	MERCURY	0.053	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	RA0	ANTIMONY	60	UG/L	UJ	60
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	ARSENIC	5.9	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	BARIUM	262	UG/L	J	200
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	CALCIUM	90000	UG/L	J	5000
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	COBALT	1.8	UG/L	J	50
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	LEAD	3.6	UG/L	J	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	MAGNESIUM	54200	UG/L	J	5000
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	MANGANESE	968	UG/L	J	15
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	NICKEL	12.6	UG/L	J	40
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	POTASSIUM	6020	UG/L	J	5000
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	DIL3	SODIUM	71500	UG/L		25000
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	THALLIUM	25	UG/L	UJ	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	VANADIUM	3.8	UG/L	J	50

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	4,4'-DDD	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	4,4'-DDE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	4,4'-DDT	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	ALDRIN	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	alpha-BHC	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	AROCLOR-1016	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	AROCLOR-1221	0.4	UG/L	U	0.4
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	AROCLOR-1232	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	AROCLOR-1242	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	AROCLOR-1248	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	AROCLOR-1254	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	beta-BHC	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	delta-BHC	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	DIELDRIN	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	ENDOSULFAN I	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	ENDOSULFAN II	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	ENDOSULFAN SULFATE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	ENDRIN	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	ENDRIN ALDEHYDE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	ENDRIN KETONE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	gamma-BHC (LINDANE)	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	HEPTACHLOR	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	HEPTACHLOR EPOXIDE	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	METHOXYCHLOR	0.1	UG/L	U	0.1
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP PESTICIDES	NORM	TOXAPHENE	1	UG/L	U	1
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	1,1'-BIPHENYL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2,4,5-TRICHLOROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2,4,6-TRICHLOROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2,4-DICHLOROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2,4-DIMETHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2,4-DINITROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2,4-DINITROTOLUENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2,6-DINITROTOLUENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2-CHLORONAPHTHALENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2-CHLOROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2-METHYLNAPHTHALENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2-METHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2-NITROANILINE	25	UG/L	U	25

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	2-NITROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	3,3'-DICHLOROBENZIDINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	3-NITROANILINE	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4-BROMOPHENYL PHENYL ETHER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4-CHLORO-3-METHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4-CHLOROANILINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4-METHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4-NITROANILINE	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	4-NITROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	ACENAPHTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	ACENAPHTHYLENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	ACETOPHENONE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	ANTHRACENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	ATRAZINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BENZALDEHYDE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BENZO(ghi)PERYLENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	BUTYL BENZYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	CAPROLACTAM	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	CARBAZOLE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	DIBENZOFURAN	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	DIETHYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	DIMETHYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	DI-n-BUTYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	DI-n-OCTYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	FLUORANTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	FLUORENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	HEXACHLOROBENZENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	HEXACHLOROBUTADIENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	HEXACHLOROETHANE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	ISOPHORONE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	NAPHTHALENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	NITROBENZENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	N-NITROSODI-n-PROPYLAMINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	N-NITROSODIPHENYLAMINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	PENTACHLOROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	PHENANTHRENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	PHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	PROPANE, 2,2'-OXYBIS[1-CHLORO-	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP SEMIVOLATILES	NORM	PYRENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	UJ	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	UJ	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	UJ	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	UJ	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	UJ	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CHLOROBENZENE	0.46	UG/L	J	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.25	UG/L	J	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	TRICHLOROETHENE	0.17	UG/L	J	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	41.0	MG/L		10
IR18MW21A	On- and Offsite Mitigation	0646G003	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0646G003	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR18MW21A	On- and Offsite Mitigation	0646G003	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR18MW21A	On- and Offsite Mitigation	0646G003	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	2.0	UG/L		0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	1.7	UG/L		0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0650B042	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP MERCURY	FIL	MERCURY	0.12	UG/L	U	0.2
IR26MW41A	POC	0646D003	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR26MW41A	POC	0646D003	CLP METALS	RA1	ANTIMONY	60	UG/L	UJ	60
IR26MW41A	POC	0646D003	CLP METALS	FIL	ARSENIC	3.9	UG/L	U	10
IR26MW41A	POC	0646D003	CLP METALS	FIL	BARIUM	42.1	UG/L	J	200
IR26MW41A	POC	0646D003	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR26MW41A	POC	0646D003	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR26MW41A	POC	0646D003	CLP METALS	FIL	CALCIUM	12800	UG/L	J	5000
IR26MW41A	POC	0646D003	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW41A	POC	0646D003	CLP METALS	FIL	COBALT	1.1	UG/L	J	50
IR26MW41A	POC	0646D003	CLP METALS	FIL	COPPER	25	UG/L	U	25

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR26MW41A	POC	0646D003	CLP METALS	FIL	IRON	65.2	UG/L	J	100
IR26MW41A	POC	0646D003	CLP METALS	FIL	LEAD	2.3	UG/L	J	10
IR26MW41A	POC	0646D003	CLP METALS	FIL	MAGNESIUM	45200	UG/L	J	5000
IR26MW41A	POC	0646D003	CLP METALS	FIL	MANGANESE	206	UG/L	J	15
IR26MW41A	POC	0646D003	CLP METALS	FIL	NICKEL	27.9	UG/L	J	40
IR26MW41A	POC	0646D003	CLP METALS	FIL	POTASSIUM	1180	UG/L	UJ	5000
IR26MW41A	POC	0646D003	CLP METALS	FIL	SELENIUM	10.4	UG/L	U	35
IR26MW41A	POC	0646D003	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR26MW41A	POC	0646D003	CLP METALS	DIL	SODIUM	88600	UG/L		25000
IR26MW41A	POC	0646D003	CLP METALS	FIL	THALLIUM	25	UG/L	UJ	25
IR26MW41A	POC	0646D003	CLP METALS	FIL	VANADIUM	1.0	UG/L	J	50
IR26MW41A	POC	0646D003	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2.8	UG/L		0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	15	UG/L		0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.40	UG/L	J	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR26MW41A	POC	0646D003	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	7.0	MG/L	J	10
IR26MW41A	POC	0646D003	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR26MW41A	POC	0646D003	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR26MW41A	POC	0646D003	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR26MW41A	POC	0646D003	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR26MW46A	Supplemental	0646W004	CLP MERCURY	FIL	MERCURY	0.2	UG/L	U	0.2
IR26MW46A	Supplemental	0646W004	CLP METALS	FIL	ARSENIC	3.3	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR26MW46A	Supplemental	0646W004	CLP METALS	FIL	LEAD	5.1	UG/L	J	10
IR26MW46A	Supplemental	0646W004	CLP METALS	DIL1	MANGANESE	2500	UG/L		75
IR26MW46A	Supplemental	0646W004	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR26MW46A	Supplemental	0646W004	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW46A	Supplemental	0646W004	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW46A	Supplemental	0646W004	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW46A	Supplemental	0646W004	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW46A	Supplemental	0646W004	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10

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IR26MW46A	Supplemental	0646W004	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	7.0	MG/L	J	10
IR26MW46A	Supplemental	0646W004	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR26MW47A	Supplemental	0646B004	CLP MERCURY	FIL	MERCURY	1.3	UG/L		0.2
IR26MW47A	Supplemental	0646B004	CLP METALS	FIL	ARSENIC	12.4	UG/L	UJ	10
IR26MW47A	Supplemental	0646B004	CLP METALS	FIL	CHROMIUM	6.1	UG/L	J	10
IR26MW47A	Supplemental	0646B004	CLP METALS	FIL	COPPER	5.2	UG/L	J	25
IR26MW47A	Supplemental	0646B004	CLP METALS	FIL	LEAD	6.6	UG/L	J	10
IR26MW47A	Supplemental	0646B004	CLP METALS	FIL	MANGANESE	15	UG/L	UJ	15
IR26MW47A	Supplemental	0646B004	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR26MW47A	Supplemental	0646B004	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW47A	Supplemental	0646B004	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW47A	Supplemental	0646B004	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW47A	Supplemental	0646B004	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW47A	Supplemental	0646B004	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW47A	Supplemental	0646B004	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW47A	Supplemental	0646B004	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW47A	Supplemental	0646B004	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW47A	Supplemental	0646B004	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW47A	Supplemental	0646B004	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW47A	Supplemental	0646B004	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	4.0	MG/L	J	10
IR26MW47A	Supplemental	0646B004	EPA 7199	NORM	HEXAVALENT CHROMIUM	16.2	UG/L	J	0.5
IR26MW48A	Supplemental	0649D040	CLP MERCURY	FIL	MERCURY	0.22	UG/L	U	0.2
IR26MW48A	Supplemental	0649D040	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP METALS	FIL	COPPER	5.8	UG/L	U	25
IR26MW48A	Supplemental	0649D040	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP METALS	FIL	MANGANESE	3.2	UG/L	U	15
IR26MW48A	Supplemental	0649D040	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR26MW48A	Supplemental	0649D040	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW48A	Supplemental	0649D040	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW48A	Supplemental	0649D040	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW48A	Supplemental	0649D040	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW48A	Supplemental	0649D040	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	11.0	MG/L		10
IR26MW48A	Supplemental	0649D040	EPA 7199	NORM	HEXAVALENT CHROMIUM	12.1	UG/L	J	0.5
IR26MW49A	Supplemental	0646B003	CLP MERCURY	FIL	MERCURY	0.88	UG/L		0.2
IR26MW49A	Supplemental	0646B003	CLP METALS	FIL	ARSENIC	6.2	UG/L	U	10

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR26MW49A	Supplemental	0646B003	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	CLP METALS	FIL	COPPER	8.7	UG/L	J	25
IR26MW49A	Supplemental	0646B003	CLP METALS	FIL	LEAD	8.0	UG/L	J	10
IR26MW49A	Supplemental	0646B003	CLP METALS	FIL	MANGANESE	15	UG/L	U	15
IR26MW49A	Supplemental	0646B003	CLP METALS	FIL	ZINC	54.1	UG/L	J	60
IR26MW49A	Supplemental	0646B003	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW49A	Supplemental	0646B003	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW49A	Supplemental	0646B003	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW49A	Supplemental	0646B003	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW49A	Supplemental	0646B003	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	4.0	MG/L	J	10
IR26MW49A	Supplemental	0646B003	EPA 7199	NORM	HEXAVALENT CHROMIUM	13.3	UG/L	J	0.5
IR26MW50A	Supplemental	0646D004	CLP MERCURY	FIL	MERCURY	0.12	UG/L	U	0.2
IR26MW50A	Supplemental	0646D004	CLP METALS	FIL	ARSENIC	3.1	UG/L	UJ	10
IR26MW50A	Supplemental	0646D004	CLP METALS	FIL	CHROMIUM	6.0	UG/L	J	10
IR26MW50A	Supplemental	0646D004	CLP METALS	FIL	COPPER	2.5	UG/L	J	25
IR26MW50A	Supplemental	0646D004	CLP METALS	FIL	LEAD	5.8	UG/L	J	10
IR26MW50A	Supplemental	0646D004	CLP METALS	FIL	MANGANESE	15	UG/L	UJ	15
IR26MW50A	Supplemental	0646D004	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR26MW50A	Supplemental	0646D004	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW50A	Supplemental	0646D004	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW50A	Supplemental	0646D004	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW50A	Supplemental	0646D004	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW50A	Supplemental	0646D004	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW50A	Supplemental	0646D004	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW50A	Supplemental	0646D004	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW50A	Supplemental	0646D004	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW50A	Supplemental	0646D004	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW50A	Supplemental	0646D004	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW50A	Supplemental	0646D004	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	3.0	MG/L	J	10
IR26MW50A	Supplemental	0646D004	EPA 7199	NORM	HEXAVALENT CHROMIUM	11.5	UG/L	J	0.5
IR46MW37A	POC	0646G007	CLP MERCURY	FIL	MERCURY	0.2	UG/L	U	0.2
IR46MW37A	POC	0646G007	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR46MW37A	POC	0646G007	CLP METALS	RA0	ANTIMONY	60	UG/L	UJ	60
IR46MW37A	POC	0646G007	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR46MW37A	POC	0646G007	CLP METALS	FIL	BARIUM	43.0	UG/L	J	200
IR46MW37A	POC	0646G007	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR46MW37A	POC	0646G007	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR46MW37A	POC	0646G007	CLP METALS	FIL	CALCIUM	20700	UG/L	J	5000
IR46MW37A	POC	0646G007	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR46MW37A	POC	0646G007	CLP METALS	FIL	COBALT	50	UG/L	UJ	50
IR46MW37A	POC	0646G007	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR46MW37A	POC	0646G007	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR46MW37A	POC	0646G007	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR46MW37A	POC	0646G007	CLP METALS	DIL1	MAGNESIUM	186000	UG/L	J	25000
IR46MW37A	POC	0646G007	CLP METALS	FIL	MANGANESE	22.2	UG/L	J	15
IR46MW37A	POC	0646G007	CLP METALS	FIL	NICKEL	4.8	UG/L	J	40
IR46MW37A	POC	0646G007	CLP METALS	FIL	POTASSIUM	4020	UG/L	J	5000
IR46MW37A	POC	0646G007	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR46MW37A	POC	0646G007	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR46MW37A	POC	0646G007	CLP METALS	DIL2	SODIUM	188000	UG/L		25000
IR46MW37A	POC	0646G007	CLP METALS	FIL	THALLIUM	25	UG/L	UJ	25
IR46MW37A	POC	0646G007	CLP METALS	FIL	VANADIUM	1.2	UG/L	J	50
IR46MW37A	POC	0646G007	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier [1]	Analytical PQL
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	2.0	MG/L	J	10
IR46MW37A	POC	0646G007	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR46MW37A	POC	0646G007	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR46MW37A	POC	0646G007	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR46MW37A	POC	0646G007	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500

Notes:

[1] Final qualifier incorporates validation qualifiers and the laboratory qualifiers defined below.

Acronyms/Abbreviations:

CLP	**Contract Laboratory Program**
DIL	**Dilution**
EPA	**Environmental Protection Agency**
FIL	**Filtered**
ID	**Identification**
µg/L	**Micrograms per liter**
mg/L	**Milligrams per liter**
NORM	**Normal**
PQL	**Practical quantitation limit**
RA0, RA1	**Reanalysis without dilution**
TPH	**Total petroleum hydrocarbons**

Validation Qualifiers

H	**Fuel pattern present in the heavier end of the analyte's range**
J	**Estimated Detected Result**
UJ	**Estimated Nondetected Result**
Z	**Fuel pattern does not resemble TPH**

Laboratory Qualifiers

U	**Nondetected Result**

Appendix H.
Field Duplicate Results for October-December 2006

Field Duplicate Results October to December 2006

Well ID	Sample ID	Sample Duplicate ID	Sample Date	Analytical Method	Analyte	Sample Type	Units	Original Sample Result	Final Qualifier [1]	Duplicate Result	Final Qualifier [1]	RPD (%) [2,3]
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	ALUMINUM	FIL	UG/L	200	U	200	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	ANTIMONY	RA0	UG/L	60	UJ	60	UJ	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	BARIUM	FIL	UG/L	46.0	J	48.0	J	4
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	BERYLLIUM	FIL	UG/L	5	U	5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	CADMIUM	FIL	UG/L	5	UJ	5	UJ	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	CALCIUM	DIL1	UG/L	339000	J	380000	J	11
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	CHROMIUM	FIL	UG/L	10	U	10	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	COBALT	FIL	UG/L	50	UJ	50	UJ	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	COPPER	FIL	UG/L	4.3	J	4.5	J	5
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	IRON	FIL	UG/L	100	UJ	100	UJ	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	LEAD	FIL	UG/L	7.0	J	7.1	J	1
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	MAGNESIUM	DIL3	UG/L	1190000	J	1230000	J	3
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	MANGANESE	FIL	UG/L	15	UJ	15	UJ	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	NICKEL	FIL	UG/L	10.5	J	10.6	J	1
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	POTASSIUM	DIL2	UG/L	334000	J	345000	J	3
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	SELENIUM	FIL	UG/L	35	U	35	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	SILVER	FIL	UG/L	10	U	10	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	SODIUM	DIL3	UG/L	9040000		9460000		5
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	THALLIUM	FIL	UG/L	12.7	J	10.7	J	17
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	VANADIUM	FIL	UG/L	3.0	J	3.0	J	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	ZINC	FIL	UG/L	60	UJ	60	UJ	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,1-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,1-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,2,3-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	1	U	1	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,2-DIBROMOETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	2-BUTANONE	NORM	UG/L	5	U	5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	2-HEXANONE	NORM	UG/L	5	U	5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	4-METHYL-2-PENTANONE	NORM	UG/L	5	U	5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	ACETONE	NORM	UG/L	5	UJ	5	UJ	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	BROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	BROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CARBON DISULFIDE	NORM	UG/L	0.5	U	0.5	U	0

Field Duplicate Results October to December 2006

Well ID	Sample ID	Sample Duplicate ID	Sample Date	Analytical Method	Analyte	Sample Type	Units	Original Sample Result	Final Qualifier [1]	Duplicate Result	Final Qualifier [1]	RPD (%) [2,3]
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	cis-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CYCLOHEXANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	CYCLOHEXANE, METHYL-	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	DICHLORODIFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	ISOPROPYLBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	METHYL ACETATE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	METHYLENE CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	STYRENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	trans-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	TRICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	VINYL CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	CLP VOLATILES	XYLENES (TOTAL)	NORM	UG/L	0.5	U	0.5	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	EPA 7199	HEXAVALENT CHROMIUM	NORM	UG/L	8.4	J	9.2	J	9
IR07MWS-2	0646G005	0646G006	11/16/06	EPA 8015	GASOLINE	NORM	UG/L	20	U	20	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	EPA 8015-M	DIESEL	NORM	UG/L	50	U	50	U	0
IR07MWS-2	0646G005	0646G006	11/16/06	EPA 8015-M	MOTOR OIL	NORM	UG/L	500	U	500	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,1,1,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,1-DICHLOROETHANE	NORM	UG/L	1	U	1	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,1-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,2,3-TRICHLOROPROPANE	NORM	UG/L	1	U	1	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	2	U	2	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	BROMOBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0

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Well ID	Sample ID	Sample Duplicate ID	Sample Date	Analytical Method	Analyte	Sample Type	Units	Original Sample Result	Final Qualifier [1]	Duplicate Result	Final Qualifier [1]	RPD (%) [2,3]
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	BROMOMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	CHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	cis-1,2-DICHLOROETHENE	NORM	UG/L	1.7		1.8		6
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	DIBROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	DICHLORODIFLUOROMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	FREON 113	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	METHYLENE CHLORIDE	NORM	UG/L	5	U	5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	trans-1,2-DICHLOROETHENE	NORM	UG/L	0.21	J	0.23	J	9
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	TRICHLOROETHENE	NORM	UG/L	1.7		1.7		0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	VINYL CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW62A	0649W027	0649W028	12/5/06	EPA 8260B	XYLENES	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,1,1,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,1-DICHLOROETHANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,1-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,2,3-TRICHLOROPROPANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	2	U	2	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	BROMOBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	BROMOMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	CHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0

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Well ID	Sample ID	Sample Duplicate ID	Sample Date	Analytical Method	Analyte	Sample Type	Units	Original Sample Result	Final Qualifier [1]	Duplicate Result	Final Qualifier [1]	RPD (%) [2,3]
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	cis-1,2-DICHLOROETHENE	NORM	UG/L	12		12		0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	DIBROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	DICHLORODIFLUOROMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	FREON 113	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	METHYLENE CHLORIDE	NORM	UG/L	5	U	5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	trans-1,2-DICHLOROETHENE	NORM	UG/L	1.5		1.6		6
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	TRICHLOROETHENE	NORM	UG/L	31		29		7
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	VINYL CHLORIDE	NORM	UG/L	0.83		0.76		9
IR10MW71A	0646H006	0646H007	11/16/06	EPA 8260B	XYLENES	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,1,1,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,1-DICHLOROETHANE	NORM	UG/L	1	U	1	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,1-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,2,3-TRICHLOROPROPANE	NORM	UG/L	1	U	1	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	2	U	2	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	BROMOBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	BROMOMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	CHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	cis-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0

Field Duplicate Results October to December 2006

Well ID	Sample ID	Sample Duplicate ID	Sample Date	Analytical Method	Analyte	Sample Type	Units	Original Sample Result	Final Qualifier [1]	Duplicate Result	Final Qualifier [1]	RPD (%) [2,3]
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	DIBROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	DICHLORODIFLUOROMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	FREON 113	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	METHYLENE CHLORIDE	NORM	UG/L	5	U	5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	trans-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	TRICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	VINYL CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW80A	0649B019	0649B020	12/4/06	EPA 8260B	XYLENES	NORM	UG/L	0.5	U	0.5	U	0
Samples with Relative Percent Difference (RPD) 30% or Greater [2,3]												
IR07MWS-2	0646G005	0646G006	11/16/06	CLP MERCURY	MERCURY	FIL	UG/L	0.60	U	0.2	U	100
IR07MWS-2	0646G005	0646G006	11/16/06	CLP METALS	ARSENIC	FIL	UG/L	4.0	U	10	U	86
IR07MWS-2	0646G005	0646G006	11/16/06	EPA 160.2	TOTAL SUSPENDED SOLIDS	NORM	MG/L	10	U	3.0	J	108

Notes:

1 Final qualifier incorporates validation qualifiers and laboratory qualifiers, when defined below.

2 Because the SAP does not establish a maximum acceptable RPD for field duplicate pairs, a generally accepted conservative standard of 30 RPD was considered to be a useful criterion.

3 For non-detects, PQL values were used to calculate RPDs. This is likely to misrepresent the actual RPD to some degree since the actual non-detected concentration is below PQL.

Acronyms/Abbreviations:

CLP Contract Laboratory Program
DIL Dilution
EPA Environmental Protection Agency
FIL Filtered
ID Identification
µg/L Micrograms per liter
mg/L Milligrams per liter
NORM Normal
PQL Practical quantitation limit
RA0 Reanalysis without dilution
RPD Relative percent difference
TPH Total petroleum hydrocarbons

Validation Qualifiers:

J Estimated Detected Result
UJ Estimated Nondetected Result

Laboratory Qualifiers

U Nondetected Result

Appendix I.
Quality Control Summary Report

Appendix I

Quality Control Summary Report

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Abbreviations and Acronyms

APPL	Agriculture and Priority Pollutants Laboratories, Inc.
CLP	Contract Laboratory Program
LCS	laboratory control sample
LDC	Laboratory Data Consultants
LUFT	leaking underground fuel tank
MS	matrix spike
MSD	matrix spike duplicate
NFESC	Naval Facilities Engineering Service Center
NOAA	National Oceanic and Atmospheric Administration
OCP	organochlorine pesticides
PARCC	precision, accuracy, representativeness, completeness, and comparability
PCBs	polychlorinated biphenyls
QA	quality assurance
QC	quality control
QAPP	Quality Assurance Project Plan
QCSR	Quality Control Summary Report
RPD	relative percent difference
RRF	relative response factor
SVOCs	semivolatile organic compounds
TPH	total petroleum hydrocarbons
TtEMI	Tetra Tech EM, Inc.
USEPA	United Stated Environmental Protection Agency
VOCs	volatile organic compounds

1.0 Introduction

This Quality Control Summary Report (QCSR) summarizes the previous year of quality control (QC) activities for Parcel B at the Hunters Point Shipyard (HPS) in San Francisco, California, as part of the Basewide Groundwater Monitoring Program (BGMP). Four consecutive quarterly sampling events were performed at Parcel B in the past year: January-March 2006, April-June 2006, July-September 2006, and October-December 2006 (CE2-Kleinfelder 2007a; 2007b; 2007c; 2007d).

Groundwater sampling procedures, analytical methods, analytical results, project objectives and data quality objectives (DQOs) are described in the BGMP Sampling and Analyses Plan (SAP) (Tetra Tech EM, Inc. [TtEMI], 2004). Groundwater monitoring, sampling, and analytical activities were conducted in general accordance with the SAP.

This QCSR consists of eight sections. Section 2.0 provides an overview of the groundwater sampling procedures. Section 3.0 provides an overview of the decontamination procedures. Section 4.0 provides a summary of the QC samples collected and their associated analytical results. Section 5.0 identifies the analytical methods implemented in the previous year of sampling. Section 6.0 summarizes the findings of the data validation process and an evaluation in accordance with the data quality indicators defined in the SAP. Section 7.0 provides an overview of the data storage process. Section 8.0 provides references.

2.0 Groundwater Sampling Procedure

Low-flow sampling procedures were used to obtain groundwater samples from the monitoring wells in Parcel B at HPS. Grundfos Rediflow-2™ submersible pumps were used in combination with new or well-dedicated Teflon-lined polyethylene tubing to purge wells and collect groundwater samples. During purging, flow rate and water quality parameters were monitored using YSI™ flow cells and multiprobe system meters. The water quality meters measured groundwater temperature, dissolved oxygen, pH, oxidation-reduction potential, and specific conductance. Turbidity was measured using a Lamotte™ 2020e turbidity meter. The groundwater flow rates were monitored in order to remain at or below 500 milliliters per minute (mL/min) and to minimize drawdown to less than 25 percent of the distance from the initial depth to water to the pump intake.

Field personnel monitored depth to water using electronic water level indicators. The water quality parameters were recorded at minimum frequency of once per liter of groundwater purged. The wells were purged until the stabilization of specific conductance, pH, and dissolved oxygen parameters, and a minimum of eight liters of groundwater were removed in accordance with the upcoming SAP revision (CE2-Kleinfelder 2007e). If the water quality parameters did not stabilize as outlined in the memorandum, then a maximum of fourteen liters were purged prior to sampling.

Field personnel recorded flow rates, purge volumes, and water quality parameters on monitoring well sampling sheets, which are included in Appendix B of this report. After purging was completed, field personnel collected groundwater samples. The flow rate was reduced to 100 mL/min to collect samples for volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH) analyses. After collecting samples for VOCs and TPH analyses, the flow rate was returned to the purge rate to fill the remaining sample containers. A 0.45 micrometer (µm) filter was used to filter water for dissolved metals analyses. Samples were collected in the order as specified in the SAP.

3.0 Decontamination Procedure

Equipment exposed to groundwater was decontaminated after the completion of sampling at every well. The flow cells, electronic water level indicators, and submersible pumps were decontaminated after the sampling of each well, using a three stage decontamination procedure. The first stage consists of washing with a mixture of tap water and Liquinox™ soap. The second stage consists of rinsing with tap water. The final stage consists of rinsing with distilled water. The submersible pumps were decontaminated by circulating water from each stage through the pump for a minimum of five minutes. New and dedicated polyethylene tubing was used for pumping each well; therefore, tubing decontamination was not necessary. The YSI water quality meter and turbidity vials were decontaminated by rinsing through the second and third stage.

4.0 Quality Control Samples

Field and laboratory QC samples are collected in the field and the laboratory to evaluate the quality of both the field and laboratory procedures. Table I-1 summarizes the field and laboratory QC samples and the frequency of collection during each Parcel B quarterly groundwater monitoring event for the previous year.

Analytical parameters had no exclusive requirements during sampling events other than sample preservation and storing of samples in coolers with sufficient "wet" ice to maintain a temperature of 4+/-2 degrees Celsius during sample shipment to the analytical laboratory. Upon receipt, the laboratory measured the cooler temperatures using water temperature blanks. The laboratory did not detect temperatures in any sample cooler that exceeded the limit of 4+/-2 degrees Celsius.

During the data quality assessment, organic and inorganic contaminants reported in field samples that were less than five times the concentrations detected in blanks (or 10 times for common laboratory contaminants) were qualified as not detected and assigned a "U" qualifier. A low percentage of samples (approximately 0.90 percent) were affected by laboratory and field blank contamination, which indicates that laboratory and field equipment decontamination procedures were effective.

Certain target analytes are considered common laboratory contaminants, including acetone, methylene chloride, and phthalates. During the data validation process, these analytes were qualified as not detected, and assigned a "U" data qualifier in both the field samples and field

blanks that contained concentrations less than five times the reporting limit for those analytes (USEPA, 1999b). Review of the data from the organic laboratory blanks indicated that common laboratory contaminants were detected in 113 results (approximately 0.65 percent), affecting some of the quantitation limits for these analytes.

During a data quality assessment of the field and laboratory QC samples, no significant discrepancies were noted during the Parcel B quarterly sampling events. A few target analytes were detected in some of the field blanks. Several analytes are present at low concentrations in the source water that is used in the equipment decontamination process, including trihalomethanes (i.e., chloroform, dibromochloromethane, and bromodichloromethane), several metals (i.e., aluminum, barium, and zinc), chloride, and petroleum hydrocarbons (i.e., gasoline, diesel, and motor oil). These analytes are regularly detected at relatively consistent concentrations in the source water.

The equipment rinsate samples contained similar concentrations of analytes that have been reported in the source water. Of the results generated for Parcel B, a total of 22 analytes were detected (approximately 0.13 percent) in equipment rinsate samples. These analytes included 1,2,3-trichlorobenzene, 1,3-dichlorobenzene, calcium, hexavalent chromium, and potassium. Five analytes (i.e. 1,2,3-trichlorobenzene, benzene, gasoline, cis-1,2-DCE, and chloroform) were detected in the trip blanks, which represents approximately 0.04 percent of the data. During the data validation process, the overall data quality was deemed to be unaffected, and thus unqualified, as a result of the source water, equipment rinsate, and trip blank sample detections.

Table I-1. Types of QC Samples per Quarterly Sampling Event

Field QC Samples		
Sample Type	**Purpose**	**Frequency**
Source water blank	Measures background levels in source water (used for decontamination).	One per quarterly sampling event
Equipment blank	Measures adequacy of the equipment decontamination process, as well as contaminant effects from handling, storage, shipment, and analysis.	One per sampling team per day
Trip blank	Measures volatile compound background levels from sample handling, shipping and transport.	One per sampling team per day
Field duplicate	Measures variability in results from sampling procedures.	One per 20 field samples collected
Temperature blank	Measures temperature of samples upon arrival to laboratory.	One per cooler
Laboratory QC Samples		
Sample Type	**Purpose**	**Frequency**
Calibration blank	Sets baseline or instrument zero.	Start of calibration process and per method
Preparation blank	Measures laboratory contamination during sample preparation process.	One per batch
Method blank	Measures laboratory contamination during method analysis.	One per batch or method
Matrix spikes	Measures matrix effect and accuracy of analytical process.	One per 20 samples or batch
Laboratory duplicate	Measures variability of results within the laboratory.	One per 20 samples or batch
Laboratory Control Sample	Measures accuracy of analytical process and calibration.	One per 20 samples or batch

5.0 Laboratory Analyses

A total of 129 groundwater samples, with accompanying 94 field QC samples, were collected between 1Q06 and 4Q06 in Parcel B. Field and laboratory QC were collected in accordance with the SAP. Table I-2 summarizes the analytical parameters and methods performed during each Parcel B quarterly sampling event in 2006.

Table I-2. Analytical Parameters and Methods

Analytical Parameter	Analytical Method
Dissolved Metals	USEPA Methods 6010B/7470A
	USEPA CLP METHOD
Hexavalent Chromium	USEPA Method 7196A
	USEPA Method 7199
OC pesticides and PCBs	USEPA CLP METHOD
SVOCs + 1,4-Dioxane	USEPA Method 8270C
	USEPA CLP METHOD
TPH-extractables	USEPA Method 8015B
TPH-gasoline	USEPA Method 8015B
VOCs	USEPA Method 8260B
	USEPA CLP METHOD

Notes:

USEPA: United States Environmental Protection Agency, *Test Methods for Evaluating Solid Wastes Physical/Chemical Methods* (SW-846, 3rd Edition, Update III)
CLP: Contract Laboratory Program
VOCs: Volatile Organic Compounds
SVOCs: Semi-Volatile Organic Compounds
OC: Organochlorine
PCBs: Polychlorinated Biphenyls
TPH: Total Petroleum Hydrocarbons

Samples collected during the Parcel B quarterly groundwater sampling events were submitted for analysis to a California State- and Naval Facilities Engineering Service Center (NFESC)-certified laboratory, Agriculture and Priority Pollutants Laboratories, Inc. (APPL), located in Fresno, California.

6.0 Data Validation

The data validation process consists of a systematic assessment and verification of data quality to evaluate and document the performance of the field sampling process and the analytical process. Laboratory Data Consultants, Inc. (LDC), located in Carlsbad, California, were selected to perform the independent, third-party data validation. LDC validated the analytical data in accordance with procedures presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA 1999b)*

- *USEPA Contract Laboratory National Functional Guidelines for Inorganic Data Review (EPA 2004).*

In addition, according to the data validation reports provided by LDC, the following documents were used to validate the laboratory analytical data:

- *Data Validation Statement of Work (TtEMI, 2005)*
- *Comprehensive Long-term Environmental Action Navy Clean II Statement of Work (TtEMI, 2002).*

One hundred percent of the data were validated with approximately 80 percent undergoing a Level III data validation and 20 percent undergoing a Level IV validation in accordance with the SAP. A total of 17,450 Parcel B analytical results were evaluated during the data validation process. A detailed data quality discussion for each quarterly sampling event is included in the Parcel B quarterly monitoring reports along with the analytical results (qualified and unqualified data) and the data validation reports, which are provided as appendices in the quarterly reports.

In 2006, a total of four results from Parcel B were rejected (i.e., "R" qualified) for two target analytes: 1,2-dibromo-3-chloropropane (three results) and hexavalent chromium (one result). The four results were rejected due to calibration issues. The relative response factor (RRF) for 1,2-dibromo-3-chloropropane was lower than the QC limit of 0.05 during initial and continuing calibration. The hexavalent chromium result was rejected due to low continuing calibration verification response, which was outside the acceptable control limits.

During the data validation process, some analytical results were qualified as estimated (i.e., "J" qualified), or estimated at an elevated reporting limit (i.e., "UJ" qualified). However, these results that are qualified as estimated are still considered usable. Results were qualified as estimated for the following reasons:

- RRFs outside the acceptable criteria;
- Surrogates, LCS, MS, or MSD samples reported percent recoveries outside the acceptable critieria;
- Technical holding times exceeded; or
- Calibration with percent differences outside the acceptable criteria.

Table I-3 summarizes the data qualified as estimated ("J" qualified") or rejected ("R" qualified) along with the percent of qualified data generated between 1Q06 and 4Q06 for Parcel B. During the data quality assessment process, it was deemed that the results are of good quality and are acceptable for use during the decision-making process.

Table I-3. Number and Percent of Results Assigned Qualifiers

Analytical Parameter	Analytical Method	Total "J" Qualified Data	Total "R" Qualified Data
Dissolved Metals	USEPA Methods 6010B/7470A	7	0
	USEPA CLP Method	1,095	0
Hexavalent Chromium	USEPA Method 7196A	17	0
	USEPA Method 7199	37	1
OC pesticides and PCBs	USEPA CLP Method	3	0
SVOCs + 1,4-Dioxane	USEPA 8270C Method	2	0
	USEPA CLP Method	26	0
Total Suspended Solids	USEPA Method 160.2	31	0
TPH-extractables	USEPA Method 8015B	34	0
TPH-gasoline	USEPA Method 8015B	4	0
VOCs	USEPA Method 8260B	31	0
	USEPA CLP Method	656	3
TOTAL		1,943	4
Percent of total results		11%	0.02%

Note: The percent of data qualified by category was calculated using the total number of analytical results (including QC samples) generated for Parcel B between 1Q06 and 4Q06 (i.e., 17,450 results).

The data quality indicators, otherwise known as precision, accuracy, representativeness, comparability, and completeness (PARCC), were evaluated in accordance with the PARCC parameters defined in the SAP. In general, the PARCC parameters were met for the previous year of groundwater monitoring for Parcel B, and were assessed as follows:

- Precision was assessed by evaluating the relative percent differences (RPDs) of the MS/MSD samples and duplicates for each applicable analytical method.
- Accuracy was assessed by evaluating percent recoveries of MS samples, laboratory control samples (LCS), surrogate recoveries, and internal standard recoveries for each applicable analytical method.
- Representativeness was assessed by evaluating sample collection procedures, including chain-of-custody documentation, sample labeling, collection dates, and the condition of the samples upon receipt at the laboratory.
- Comparability was assessed by evaluating the use of uniform sampling activities, standard and USEPA-approved analytical methods, standard quantitation limits, and the standardized data validation procedures. The use of the USEPA CLP standard protocol, specified and well-documented analyses, California State- and NFESC-certified laboratories, and a standardized data quality assessment process give Parcel B 2006 data a high degree of analytical comparability.
- Completeness was assessed by evaluating the validity of data as a result of the data quality assessment process. Estimated data ("J" or "UJ" qualified) are considered valid and usable; however, rejected data ("R" qualified) and missing analyses were considered unusable and incomplete. For 2006, approximately four out of 17,450 analytical results were rejected, which represents less than 0.03 percent of the Parcel

B data. The completeness goal for 2006 was 99.98 percent, which exceeded the SAP completeness goal of 95 percent.

Overall, the data quality indicators (i.e., PARCC) either met or exceeded the parameters as defined in the SAP.

7.0 Data Storage

Under the Hunters Point Naval Shipyard Basewide Groundwater Monitoring Program, data collected during the quarterly sampling events are stored as field forms, laboratory analytical reports, electronic data deliverables (EDDs), and data validation reports. The field forms, which are used to record groundwater quality, well condition, sampling information, and equipment calibration, are securely stored in the CE2-Kleinfelder Joint Venture field trailer, located on the Hunters Point Naval Shipyard. The field forms are peer reviewed and retained in file folders at the field trailer.

Laboratory analytical results are submitted by APPL in hard copy format by sample delivery group (SDG) to the Kleinfelder-Oakland office to undergo data quality assessment procedures, and are retained in a secured location until final submittal to the Department of the Navy along with the quarterly sampling reports. The SDGs contain all information as required by the SAP.

The EDDs are provided by APPL via electronic mail and compact disc, and contain the quarterly laboratory analytical results by SDG. The EDDs undergo a data checker to evaluate accuracy and completeness of information, and are then uploaded into the Kleinfelder database. Upon completion of the data quality assessment process, the data validation qualifiers are input into the database and finalized. Once finalized, the data are electronically submitted to the Department of the Navy's data repository, Naval Installation Restoration Information Solution (NIRIS), in the Navy Electronic Data Deliverable (NEDD) format.

Copies of the field forms, laboratory analytical reports, and EDDs are retained in the Kleinfelder-Oakland office in the project files.

8.0 References

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USEPA. 2001. EPA Requirements for Quality Assurance Project Plans. EPA QA-R5. Office of Environmental Information. Washington, DC. EPA/240/B-01/003. March.

USEPA. 2004a. Statement of Work for Multi-media, Multi-concentration Inorganic Analysis (ILM05.3). March.

USEPA. 2004b. National Functional Guidelines for Inorganic Data Review. Office of Emergency and Remedial Response. Washington, D.C. EPA-540-R-04-004. October.

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Appendix J.
Analytical Results (January-September 2006)

provided on CD only, previously submitted to Navy Records in hard copy format in quarterly reports

AR_N00217_001091
HUNTERS POINT
SSIC NO. 5090.3.A

ANALYTICAL RESULTS (JANUARY-SEPTEMBER 2006)

IS APPENDIX G OF THE PARCEL B
QUARTERLY GROUNDWATER MONITORING REPORT
(JULY-SEPTEMBER 2006)
REVISION 1

DATED 01 MAY 2007

THIS RECORD IS ENTERED IN THE DATABASE AND FILED
AS

RECORD NO. AR_N00217_004190

Appendix K.
Field Variances

RECORD OF FIELD VARIANCE/TECHNICAL CHANGE

Technical Change Number: Oct-Dec 2006 Parcel B

Navy Contract Number: N62473-06-C-2001

KA Project Number: 64148
CE2 Project Number: 23000

Project Name: Hunters Point Shipyard Basewide Groundwater Monitoring

The following Technical changes are requested by: (Note – All requested changes must provide adequate justification.)

(Name)	Field Manager (Title)	2/20/07 (Date)

Variances:

1. Not Measured: A total of 15 monitoring wells in Parcel B were not measured during the October-December 2006 field event. The 4Q2006 water-level day was 13 November 2006.
Reference SAP Section(s): 8.3.3

Variance/Justification:
The following 6 wells are **decommissioned** (properly destroyed):
IR07MWS-3, IR10MW12A, IR60MW08A, PA24MW02A, IR06MW45A*, PA18MW08A**

The following 9 wells were **inaccessible**:
IR07MW93A: Covered by rad-screening soil pad in laydown area
IR07MW94A: Covered by rad-screening soil pad in laydown area
IR10MW31A1: Access blocked by trench and demolition debris
IR10MW32A: Access blocked by demolition debris
IR10MW61A: Covered by standing water from ongoing rainfall
IR18MW100B: Covered by rad-screening soil pad in laydown area
IR18MW101B: Covered by rad-screening soil pad in laydown area
IR62MW07A: Covered by compacted soil and gravel along former trench
PA50MW01A: Casing cut-off at 6 ft bgs in trench floor
* located in Parcel C but included in the RAMP
** located in Parcel A, not included in the RAMP

2. Not Sampled: The following 6 wells in Parcel B were not sampled during the October-December 2006 field event.
Reference SAP Section (s): 8.1.2 and Table 7A

The following 3 wells are **decommissioned** (properly destroyed):
IR06MW45A, IR10MW12A, IR26MW45A

The following 2 wells were **inaccessible**:
IR25WM37A (C*) – well under water in a rad area; water would need to be pumped and screened
PA50MW01A - well casing cut-off at 6 ft bgs in utility removal trench

The following well produced **insufficient water** for sampling: IR10MW28A

(The four sentinel wells are not required to be measured this quarter)

3. Immiscible Layers:
Reference SAP Section(s): 8.3.3
No immiscible-layer variance is applicable for the October-December 2006 field event. An interface probe was used to test for the presence of immiscible phases (free product consisting of either dense nonaqueous phase liquid [DNAPL] or light nonaqueous phase liquid [LNAPL]) in wells IR25MW54A and IR25MW902B on November 13, 2006. No DNAPL or LNAPL detected.

4. Field Procedures and Stabilization Parameters:
Reference SAP Section(s): 8.3.4.1
Modified pre-sampling purging parameter stabilization criteria developed at the HPS Groundwater Meeting on July 19, 2006 were used for the April-June 2006 field event:

1. The three most important groundwater stabilization parameters, in order of importance, are: (1) specific conductance, (2) pH, and (3) dissolved oxygen.

2. Other parameters, including temperature, turbidity, and oxidation-reduction potential, will be monitored and recorded. However, they will not be used to determine stabilization and will be used only for informational purposes.

3. For determining whether a well has stabilized, the minimum and maximum values of the last three readings for specific conductivity, pH, and dissolved oxygen will be compared, without regard to order.

4. The stabilization criteria are: (1) specific conductivity: plus or minus 3%, (2) pH: plus or minus 0.2 pH units, and (3) dissolved oxygen: plus or minus 10% or 0.2 mg/L (whichever is greater).

5. A maximum of 14 liters will be purged.

The following 3 wells had **parameter stabilization** issues:
IR10MW33A: Specific conductance exceeded 3%. A total of 14L was purged before sampling.
IR10MW62A: Specific conductance exceeded 3%. A total of 14L was purged before sampling.
IR18MW21A: Specific conductance exceeded 3%. A total of 14L was purged before sampling.

5. Water Quality Criteria:
The following one well in Parcel B had **water quality** issues:
IR18MW21A: ORP exceeded 20 millivolts and turbidity exceeded difference of 10%.

Technical Change Number: Oct-Dec 2006 Parcel B

Approved by:

Gary Goodemote date: 02/26/07
KA Field QA PM

date: 03/02/07
CE2 PM

date: 4/23/07
BRAC RPM

Appendix L.
Responses to Regulatory Comments

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General Notes:

Revisions to this document will be limited to correcting technical errors. The first priority of the groundwater monitoring program is to provide reliable data for use in feasibility studies, risk assessments, and decision documents. Some comments request detailed evaluations of hydrogeologic and contaminant that are more suitable for inclusion in site-specific technical documents (e.g., feasibility and treatability studies); these comments have been relayed to the appropriate technical staff.

Comments pertaining to field and laboratory procedures, need for additional/replacement wells, and related issues will be considered in the forthcoming revisions to the Basewide Sampling and Analysis Plan (SAP) and the Parcel B Remedial Action Monitoring Plan (RAMP).

U.S Navy Responses to the
U.S. Environmental Protection Agency Comments
Review of the Parcel B Quarterly Groundwater Monitoring Report (October – December 2006), and Annual Report 2006, Hunters Point Shipyard, San Francisco, California, April 2007

GENERAL COMMENTS

1. Although the title indicates that the Parcel B Quarterly Groundwater Monitoring Report, October – December 2006, and Annual Report 2006, Hunters Point Shipyard, San Francisco, California (the Report) is an Annual Report, it is not substantially different from the quarterly reports and does not contain recommendations that would normally be expected in an Annual Report. We suggest that the contents of the annual report should be defined in the next BCT groundwater working group.

   Response: Acknowledged.

SPEICIFC COMMENTS

1. **Figure 3-1, Groundwater Potentiometric Surface Groundwater Map:** Well IR07MW25A is on the wrong side of the 2-foot contour. This well has an elevation above two feet which means that the 2 foot contour should be close to the well, but the well should be between the 2 and 3 foot contours. Please move the 2 foot contour so that well IR07MW25A is between the 2 and 3 foot contours and submit a revised figure.

   Response: The figure has been revised and submitted.

2. **Table 4-7, Concentrations of cis-1,2 dichloroethene in groundwater, and Figure 4-2, Lateral Distribution of cis-1,2 DCE in Groundwater:** This figure shows the

concentration of cis-1,2 dichloroethene (cis 1,2-DCE) to be non-detect (ND) for well IR18MW21A but Table 4-7 has a J qualified concentration of 0.25 micrograms per Liter (ug/L) for this well. Similarly, the table indicates that well IR10MW13A1 has a concentration of 12 ug/L but the figure shows a concentration of 16 ug/L. There are multiple such errors (e.g., IR10MW59A and IR10MW71A) when concentrations posted on the figure are compared with data in the table so it is unclear if the figure has been updated from the previous quarter. Please resolve these discrepancies and submit a revised figure.

Response: Table 4-7 data are correct. Figure 4-2 has been revised and submitted.

3. **Figure 4-2, Lateral Distribution of cis-1,2 DCE in Groundwater**: The symbols for IR10MW61A, IR25MW41A, IR07MW24A, and IR26MW41A are shaded green (not detected) when the posted data indicates that the cis 1,2-DCE concentration was 45 ug/L in IR10MW61A, 2.6 ug/L in IR26MW41A, 0.29 ug/L in IR07MW24A, and 0.24 ug/L in IR26MW41A. In addition, based on the posted concentrations and the information in the legend, it appears that the symbols for IR10MW59A and IR10MW71A should be shaded red (unless the data posted on the figure is incorrect). Please resolve these discrepancies and submit a revised figure.

   Response: The figure has been revised and submitted.

   In addition, it is unclear why the title of this figure includes the phrase "Time Series" when the figure does not present trend information. Please delete this phrase when the revised figure is submitted.

   Response: The figure has been revised and submitted.

4. **Figures 4-1 through 4-4, Lateral Distribution of Analytes in Groundwater:** It is unclear why green and yellow symbols are necessary, since based on the legend, it appears that all non-detects could be represented by the yellow symbol. If the yellow symbol is intended to indicate estimated concentrations below the reporting limit (i.e., J-flagged data), the legend should be revised to clarify this. Please review the definitions of the green and yellow symbols in the legend and revise the legends or figures for clarity and submit revised figures.

   Response: The text of the legend for the yellow icons in Figures 4-1 through 4-4 have been revised, and revised figures have been submitted.

MINOR COMMENTS

1. **Section 4.1, Groundwater Sampling and Analysis, Page 4-1:** Please remove the editorial (red shaded) sentence from this section.

   Response: The revision has been made and a revised page submitted.

2. **Section 4.2, Analytical Results, Figures 4-1 through 4-4, Lateral Distribution of Analytes in Groundwater:** When data from a previous quarter is presented on these figures, which is described in the text to "remove the effect of missing data;" there should be some indication on the figure that previous data is being presented for a given well. Please provide some indication on the figures that data from a previous quarter is being presented for a well.

   Response: Beginning with the report covering 2Q2006 sampling event, only data from the current sampling event will be depicted on figures. If data are not available from the current event, the figures will indicate that the well was not sampled.

No comments to this report were received from the California Department of Toxic Substances Control (DTSC)

Appendix M.
Revision Tracking Log

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Revision Tracking Log

Revision	Issued	Document Modifications
0 (Draft)	April 2007	
1	October 2007	Addressed regulatory comments by the U.S. EPA dated August 2007.

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