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FOLDER 1 OF 2

Parcel B
Quarterly Groundwater Monitoring Report
(July-September 2006)

Hunters Point Shipyard
San Francisco, California

May 2007
Revision 1

Prepared for:

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Certification

Parcel B
Quarterly Groundwater Monitoring Report
(July-September 2006)

Hunters Point Shipyard
San Francisco, California

May 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

BGMP	Basewide Groundwater Monitoring Program
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	Chain-of-custody
DCE	Dichloroethene
DNAPL	Dense non-aqueous phase liquid
DTSC	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
POC	Point of compliance
QA/QC	Quality assurance/quality control
RAMP	Remedial Action Monitoring Plan
ROD	Record of Decision
RPD	Relative percent difference
RWQCB	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

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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. This report documents data collected from July through September 2006 (Third quarter 2006 [3Q2006]).

1.1 Regulatory Framework

Groundwater issues at HPS are primarily regulated by the United States Environmental Protection Agency (EPA), the California 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).

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 and SAP 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

In the current quarter, the following changes were made to the Parcel B portion of the basewide compliance monitoring well network, in accordance with the upcoming Addendum 1 to the HPS Sampling and Analysis Plan (CE2-Kleinfelder Joint Venture, in preparation):

Wells Installed

- IR06MW49A (25 July 2006)
- IR05MW50A (26 July 2006)

Wells Decomissioned

- IR10MW12A (24 July 2006)
- IR60MW08A (25 July 2006)

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

Additional 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. It is bounded by former Parcel A to the south (land formerly owned by the Navy and transferred to private ownership; designated as "non-Navy Property"), Parcel C to the south and east, privately-owned land (non-Navy Property) to the west and northwest, and San Francisco Bay to the north and east, as shown on Figure 1-1.

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 are Building 123 in IR-10 and Exploratory Excavation 05 (EE-05) near Dry Dock 3 in IR-26. 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 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 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 of former Parcel A 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. In places, sand lenses within the Bay Mud Aquitard are considered to be part of 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 former Parcel A. 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. Storm drain and sanitary sewer lines are being removed as part of the radiological cleanup.

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3.0 Groundwater Flow

This section discusses the collection of groundwater elevation data in 3Q2006 and the evaluation of groundwater flow in Parcel B.

3.1 Groundwater Elevation Data

Depth to groundwater was measured on August 16, 2006. 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 3Q2006 event, groundwater depth measurements were made during the higher-low neap tide. Tidal data for August 15-17, 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 August 2006. 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 former Parcel A towards San Francisco Bay. The potentiometric surface contours roughly parallel the shoreline.

A local depression immediately south of Building 134 may be the result of groundwater flow into the sanitary sewer. Anomalously high groundwater elevations occur in the peninsula north of Dry Dock 3 (wells IR26MW46A and IR26MW48A); this small mound may be the result of a local heterogeneity (i.e., shallow bedrock) or influx of water from buried utility trenches.

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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 August 21 through September 27, 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 I) 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.

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 ground-shipped to APPL from

HPS by an APPL courier.

4.2 Analytical Results

Analytical data are presented in the following appendices:

Appendix F. Laboratory analytical reports and data validation reports (provided on CD only).

Appendix G. Analytical results.

Appendix H. Field duplicate results.

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.

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 3Q2006, 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 3Q2006 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

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-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-dichloroethene, and vinyl chloride concentrations in wells in the IR-10 area are presented as Figures 4-5, 4-6, and 4-7, respectively. TCE concentrations are generally decreasing, although concentrations in some wells increased relative to 2Q2006. Cis-1,2,-DCE concentrations are stable or increasing. Vinyl chloride concentrations are variable. The lateral extent extent of VOCs in the IR-10 area is consistent with previous data.

4.2.2 Hexavalent Chromium

Hexavalent chromium is present 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 concentrations are variable, but typically higher in samples collected during the winter months. The lateral extent of hexavalent chromium is consistent with previous data. Well IR10MW12A was decommissioned between the 2Q2006 and 3Q2006 sampling events. Well IR10MW82A was installed in April 2006 to replace decommissioned well IR10MW12A.

4.2.3 Mercury

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. Five supplemental characterization monitoring wells (IR26MW46A, IR26MW47A, IR26MW48A, IR26MW49A and IR26MW50A) are located near EE-05. Wells IR26MW49A and IR26MW50A were installed between the 2Q2006 and the 2Q3006 sampling events.

Mercury was not detected in any of these wells in 3Q2006. Figure 4-9 presents a time-series plot of mercury concentrations in samples from EE-05 wells. Mercury concentrations are variable, but are typically higher in samples collected during the summer months. The lateral extent of mercury at EE-05 is consistent with previous data.

4.2.4 Other Metals

Copper was detected at concentrations exceeding the Trigger Level in three wells in 3Q2006 (IR07MW19A, IR07MW20A1, and IR26MW47A. No other metals exceeded Trigger Levels. Table 4-10 summarizes exceedances of Trigger Levels for metals in Parcel B for 4Q2005 through 3Q2006.

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. A summary of the QA/QC samples collected is presented in

Table 4-2.

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 cursory review, and 20 percent of the data were fully validated in accordance with the BGMP 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). PARCC parameters were assessed by:

- Reviewing precision and accuracy of field and laboratory QC data.
- 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 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 275 field duplicate pair results, 30 results (10.9 percent) exceeded the 30 percent RPD criterion. LDC did not qualify 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. Of the 861 results generated, 22 analytes were detected (2.6 percent). LDC reviewed these results and indicated that the overall data quality was not affected.

4.3.1.3 Trip Blanks

Laboratory-prepared trip blank samples containing analyte-free water were included in each of the coolers that contained samples for VOC and TPH (purgeable) analyses, as specified in the SAP. Of the 408 trip blank results, no analytes were detected.

4.3.2 Summary of Data Quality

Of the 3,769 individual analytical results generated for Parcel B in 3Q2006:

- 410 results were qualified as estimated (J or UJ qualifiers). Results that are qualified as estimated are considered usable.
- No results were rejected from 3Q2006.

Therefore, 100 percent of the 3Q2006 groundwater analytical data for Parcel B are considered usable.

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.

4.4 Deviations from the SAP

Field variance reports for 3Q2006 are included in Appendix I. Deviations from the BGMP SAP for 3Q2006 in Parcel B were:

1. Water levels were not measured in 14 monitoring wells because these wells have been decommissioned (5 wells), or were inaccessible (9 wells).
2. Samples were not collected from 4 monitoring wells because these wells have been decommissioned (2 wells), had insufficient recharge (1 well), or were inadvertently omitted from sampling (1 well).

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

No wells failed to achieve 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 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).

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

5.0 References

CE2-Kleinfelder Joint Venture, in preparation. Addendum 1 to the Sampling and Analysis Plan (Field Sampling Plan and Quality Assurance Project Plan), Basewide Groundwater Monitoring Program, Hunters Point Shipyard, San Francisco, California.

Engineering/Remediation Resources Group (ERRG). 2004. Cost and Performance Report, Zero-Valent Iron Injection Treatability Study, Building 123, Parcel B, Hunters Point Shipyard, San Francisco, California. June.

National Oceanic and Atmospheric Administration [NOAA]. 2006. NOAA Center for Operational Oceanographic Products and Services. Tidal Prediction NOAA station ID 9414358 - Hunters Point Shipyard, San Francisco, California.

SulTech. 2006. Draft Parcel B Technical Memorandum in Support of a Record of Decision Amendment, Hunters Point Shipyard San Francisco, California. March 28.

Tetra Tech EM, Inc. (TtEMI). 2004. Final Sampling and Analysis Plan (Field Sampling Plan and Quality Assurance Project Plan) Basewide Groundwater Monitoring Program, Hunters Point Shipyard San Francisco, California, August 20.

Tetra Tech EM, Inc. 2005. Data Validation Statement of Work. February.

TtEMI. 2006. Personal communication (e-mail) from T. Mower (TtEMI) to J.R. Copland (CE2 Corporation), March 2.

U.S. Department of the Navy (Navy). 1997. Hunters Point Shipyard, Parcel B Record of Decision, October 7.

Navy. 2002. Comprehensive Long-term Environmental Action Navy Clean II Statement of Work.

Navy. 2003. Informal Briefing: Environmental Clean-Up Sites Hunters Point Shipyard, 2pp., September 18.

U.S. Environmental Protection Agency (EPA). 1999. National Functional Guidelines for Organic Data Review. Office of Emergency and Remedial Response. Washington, DC. EPA-540/R-99/008. October.

EPA. 2001. EPA Requirements for Quality Assurance Project Plans. EPA QA/R-5. Office of the Environmental Information. Washington DC. EPA/600/R-96/055. August.

EPA. 2004. National Functional Guidelines for Inorganic Data Review. Office of Emergency and Remedial Response. Washington, DC. EPA-540/R-04/004. October.

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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.

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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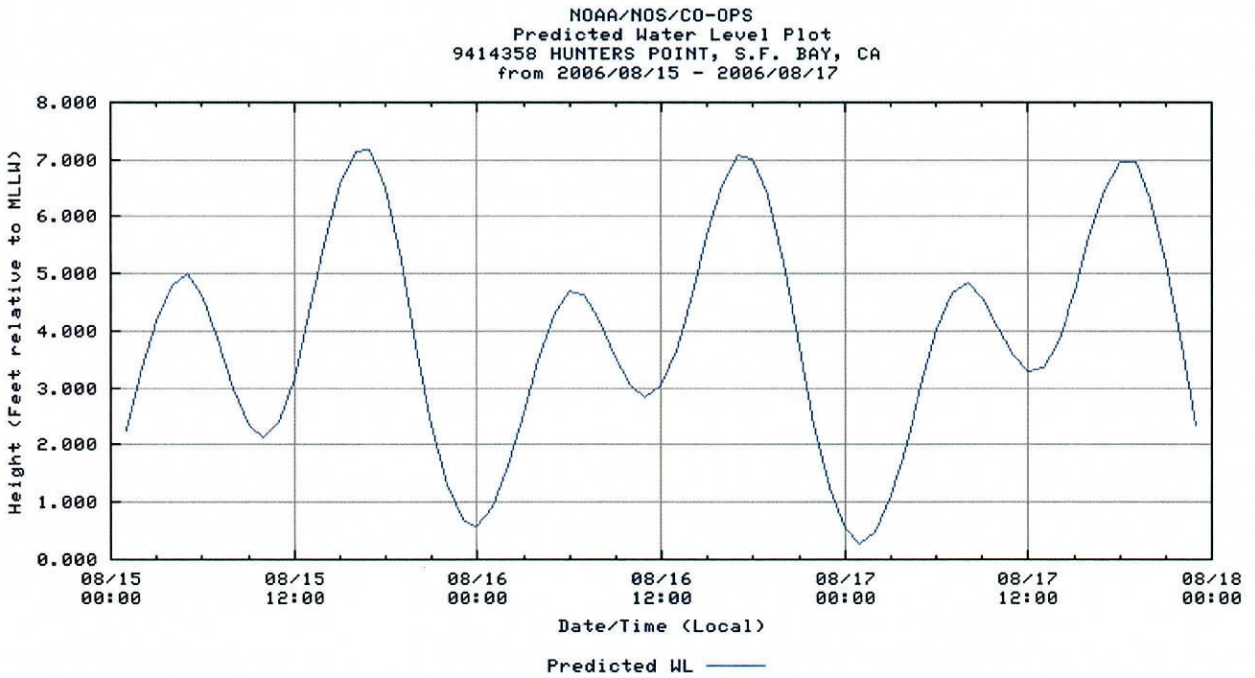
Table 3-1. Tide plot and predictions for Hunters Point, August 15-17, 2006.



Notes:

Tide elevation (ft MSL) can be calculated by subtracting 3.56 ft from MLLW (mean lower low water) height.

Water levels measured between 10:08 and 14:08 on 8/16/06.

Data from NOAA (2006).

Date	Time (local)	Tide	Height (feet, mean lower low water)
08/15/06	0553	High	5.1
08/15/06	1105	Low	2.1
08/15/06	1732	High	7.2
08/16/06	0049	Low	0.5
08/16/06	0732	High	4.9
08/16/06	1208	Low	2.7
08/16/06	1826	High	7.1
08/17/06	0203	Low	0.2
08/17/06	0908	High	5.1
08/17/06	1323	Low	3.1
08/17/06	1927	High	7.0

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Table 4-1. Summary of groundwater sampling information (July-September 2006).

Well ID	Parcel	Well Type	Sample ID	Sampled	Comment	Sample Date	Sample Time	Mercury-CLP	Metals-CLP	Pesticides and PCBs-CLP	SVOCs-CLP	VOCs-CLP	TSS	Dissolved Metals	Hexavalent Chromium	Dissolved Mercury	TPH-G	TPH-E	VOCs-8260	SVOCs-8270
IR06MW42A	C*	Utility Line	0635M022	Y		8/29/06	1142	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	0634V001	Y		8/22/06	1040	Q	Q			Q	Q		Q		Q	Q		
IR07MW20A1	B	Post-Remedial Action	0634V004	Y		8/23/06	0955	Q	Q			Q	Q		Q		Q	Q		
IR07MW21A1	B	Post-Remedial Action	0634M006	Y		8/22/06	1420	Q	Q			Q	Q		Q		Q	Q		
IR07MW23A	B	Sentinel	0634W006	Y		8/23/06	1210	SA	SA			SA	SA		SA		SA	SA		
IR07MW24A	B	Post-Remedial Action	0634M005	Y		8/22/06	1142	Q	Q			Q	Q		Q		Q	Q		
IR07MW25A	B	Post-Remedial Action	0634D005	Y		8/22/06	1445	Q	Q			Q	Q		Q		Q	Q		
IR07MW26A	B	Post-Remedial Action	0634M003	Y		8/22/06	0944	Q	Q			Q	Q		Q		Q	Q		
IR07MW27A	B	Sentinel	0635M023	Y		8/29/06	1418	SA	SA	SA	SA	SA	SA		SA		SA	SA		
IR07MW28A	NNP	On-and-Off Site Migration	0634M015	Y		8/24/06	1422	Q	Q	Q	Q	Q	Q		Q		Q	Q		
IR07MWS-2	B	POC	0634W008	Y		8/24/06	0930	Q	Q			Q	Q		Q		Q	Q		
IR07MWS-4	B	POC	0634D007	Y		8/23/06	1130	Q	Q			Q	Q		Q		Q	Q		
IR10MW12A	B	Hexavalent Chromium and VOC		N	Decommissioned							Q	Q		Q					

Table 4-1. Summary of groundwater sampling information (July-September 2006).

Well ID	Parcel	Well Type	Sample ID	Sampled	Comment	Sample Date	Sample Time	Mercury-CLP	Metals-CLP	Pesticides and PCBs-CLP	SVOCs-CLP	VOCs-CLP	TSS	Dissolved Metals	Hexavalent Chromium	Dissolved Mercury	TPH-G	TPH-E	VOCs-8260	SVOCs-8270
IR10MW13A1	B	VOC	0634H005	Y		8/25/06	0912					Q								
IR10MW14A	B	VOC	0635D022	Y		8/30/06	0930					Q								
IR10MW28A	B	Sentinel and VOC		N	Insufficient recharge							Q	SA	SA	SA	SA	SA	SA		
IR10MW31A1	B	POC and VOC	0634C008	Y		8/23/06	1120	Q	Q			Q	Q		Q		Q	Q		
IR10MW33A	B	VOC	0634D008	Y		8/23/06	1445					Q								Q
IR10MW59A	B	VOC	0635G011	Y		8/28/06	1357					Q								
IR10MW61A	B	Supplemental	0634V005	Y		8/23/06	1345												Q	
IR10MW62A	B	Supplemental	0634G004	Y		8/24/06	1510												Q	
IR10MW71A	B	Supplemental	0635G012	Y		8/28/06	1444												Q	
IR10MW76A	B	Supplemental	0635D019	Y		8/28/06	1440												Q	
IR10MW79A	B	Supplemental	0634V006	Y		8/23/06	1500												Q	
IR10MW80A	B	Supplemental	0634G003	Y		8/24/06	1348												Q	
IR18MW21A	B	On-and-Off Site Migration	0635M019	Y		8/28/06	0914	Q	Q	Q	Q	Q	Q		Q		Q	Q		
IR25MW17A	C*	Sentinel and VOC	0634M014	Y		8/24/06	1045					Q	SA	SA	SA	SA	SA	SA		
IR25MW37A	C*	VOC	0635D023	Y		8/30/06	1110					Q								
IR26MW41A	B	POC	0635M021	Y		8/29/06	1028	Q	Q			Q	Q		Q		Q	Q		
IR26MW45A	B	Supplemental		N				Q												
IR26MW46A	B	Supplemental	0634D009	Y		8/24/06	0955	Q	Q	Q	Q		Q		Q					
IR26MW47A	B	Supplemental	0634D010	Y		8/24/06	1225	Q	Q	Q	Q		Q		Q					
IR26MW48A	B	Supplemental	0634W005	Y		8/23/06	0940	Q	Q	Q	Q		Q		Q					
IR26MW49A	B	Supplemental	0634H002	Y		8/24/06	1120	Q	Q	Q	Q		Q		Q					
IR26MW50A	B	Supplemental	0634H001	Y		8/24/06	1000	Q	Q	Q	Q		Q		Q					

Table 4-1. Summary of groundwater sampling information (July-September 2006).

Well ID	Parcel	Well Type	Sample ID	Sampled	Comment	Sample Date	Sample Time	Mercury-CLP	Metals-CLP	Pesticides and PCBs-CLP	SVOCs-CLP	VOCs-CLP	TSS	Dissolved Metals	Hexavalent Chromium	Dissolved Mercury	TPH-G	TPH-E	VOCs-8260	SVOCs-8270
IR46MW37A	B	POC	0635D027	Y		8/31/06	0918	Q	Q			Q	Q		Q		Q	Q		
IR61MW05A	B	Sentinel	0634M013	Y		8/24/06	0919	SA	SA			SA	SA		SA		SA	SA		
PA50MW01A	B	POC and VOC	0634W009	Y		8/24/06	1050	Q	Q			Q	Q		Q		Q	Q		
UT03MW11A	B	Sentinel	0634D003	Y		8/22/06	1150	SA	SA			SA	SA		SA		SA	SA		

Notes:

Abbreviations/Acronyms:

- **CLP: Contract laboratory protocol**
- **PCB: Polychlorinated biphenyls**
- **POC: Point of compliance**
- **Q: Quarterly sampling frequency**
- **SA: Semiannual sampling frequency**
- **SVOC: Semivolatile organic compounds**
- **TPH: Total petroleum hydrocarbons**
- **TPH-E: TPH as extractable hydrocarbons**
- **TPH-G: TPH as gasoline**
- **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 (July-September 2006).

Well ID	Parcel	Well Type	Sample ID	QC Type	Sample Date	Sample Time	Mercury-CLP	Metals-CLP	Pesticides and PCBs-CLP	SVOCs-CLP	VOCs-CLP	TSS	Dissolved Metals	Hexavalent Chromium	Dissolved Mercury	TPH-G	TPH-E	VOCs-8260	SVOCs-8270
IR06MW42A	C*	Utility Line	IR06EB574	ER	8/24/06	1530	Q	Q	Q	Q	Q	Q		Q		Q	Q		
IR07MW19A	B	POC	0634V002	FD	8/22/06	1045	Q	Q			Q	Q		Q		Q	Q		
IR07MW21A1	B	Post-Remedial Action	IR07EB567	ER	8/22/06	1510	Q	Q			Q	Q		Q		Q	Q		
IR07MW26A	B	Post-Remedial Action	0634M004	FD	8/22/06	0949	Q	Q			Q	Q		Q		Q	Q		
IR07MW27A	B	Sentinel	IR07EB587	ER	8/29/06	1520	SA	SA	SA	SA	SA	SA		SA		SA	SA		
IR07MW28A	NNP	On-and-Off Site Migration	IR07EB575	ER	8/24/06	1540	Q	Q	Q	Q	Q	Q		Q		Q	Q		
IR10MW14A	B	VOC	IR10EB591	ER	8/30/06	1000					Q								
IR10MW33A	B	VOC	IR10EB571	ER	8/23/06	1531					Q								Q
IR10MW59A	B	VOC	IR10EB583	ER	8/28/06	1420					Q								
IR10MW71A	B	Supplemental	0635G013	FD	8/28/06	1500												Q	
IR10MW76A	B	Supplemental	IR10EB586	ER	8/29/06	0945												Q	
IR10MW79A	B	Supplemental	IR10EB572	ER	8/23/06	1530												Q	
IR10MW80A	B	Supplemental	IR10EB576	ER	8/24/06	1408												Q	
UT03MW11A	B	Sentinel	0634D004	FD	8/22/06	1155	SA	SA			SA	SA		SA		SA	SA		
	C*		IR06TB163	TB	8/29/06	1536													
	B		IR07TB153	TB	8/22/06	1430													
	B		IR07TM165	TB	8/30/06	1518													
	B		IR10TB155	TB	8/23/06	1415													
	B		IR10TB159	TB	8/25/06	1425													
	B		IR18TB161	TB	8/28/06	1400													
	B		IR25TB157	TB	8/24/06	1400													
	B		IR46TB167	TB	8/31/06	1528													

Notes:

Abbreviations/Acronyms:

CLP: Contract laboratory protocol
ER: Equipment rinsate sample
FD: Field duplicate sample
PCB: Polychlorinated biphenyls
POC: Point of compliance
Q: Quarterly sampling frequency
SA: Semiannual sampling frequency
SVOC: Semivolatile organic compounds
TB: Trip blank
TPH: Total petroleum hydrocarbons
TPH-E: TPH as extractable hydrocarbons
TPH-G: TPH as gasoline
TSS: Total suspended solids
VOC: Volatile organic compounds

Parcel:

***: Physically 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 4-3. 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	NA	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	Oct-Dec 2005 (ug/L)		Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 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	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	0.18	J	0.5	U	0.5	U	0.21	J	0.21	J
IR10MW12A	B	0.5	U	0.5	U	0.5	U	decommissioned		0.5	U
IR10MW13A1	B	6.0		5.3		6.4		6.2	J	6.2	J
IR10MW14A	B	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
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	0.41	J	1.1		0.87	J	0.41	J	0.41	J
IR10MW59A	B	22		13		4.0	J	7.0		7.0	
IR10MW61A	B	0.49	J			0.27	J	1.1		1.1	
IR10MW62A	B	1.3				1.9		1.7		1.7	
IR10MW71A	B	59				27		67		67	
IR10MW76A	B	0.57				0.44	J	0.54		0.54	
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
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	0.20	J	0.20	J

Table 4-6. Concentrations of trichloroethene in groundwater.

Well ID	Parcel	Oct-Dec 2005 (ug/L)		Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 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	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	Oct-Dec 2005 (ug/L)		Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 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	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	0.51	J	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	0.27	J	0.5	U	0.5	U	0.29	J	0.29	J
IR07MW25A	B	0.5	U	0.20	J	0.19	J	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
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	0.5	U	decommissioned		0.5	U
IR10MW13A1	B			12		14		16	J	16	J
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		12	
IR10MW59A	B	13	J	85		65	J	73		73	
IR10MW61A	B	30				78		45		45	
IR10MW62A	B	1.8				1.0		1.2		1.2	
IR10MW71A	B	63				43		94		94	
IR10MW76A	B	0.25	J			0.26	J	0.43	J	0.43	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	0.43	J	0.5	U	0.5	U	0.5	U	0.5	U
IR25MW17A	C*	0.21	J	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	0.23	J	0.25	J	0.24	J	0.24	J	0.24	J
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	Oct-Dec 2005 (ug/L)		Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Most Recent (ug/L)	
PA50MW01A	B	0.22	J	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	Oct-Dec 2005 (ug/L)		Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 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	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	0.5	U	decommissioned		0.5	U
IR10MW13A1	B	0.66		0.5	U	0.33	J	0.5	UJ	0.5	UJ
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	2.4		0.67	U	0.97	J	3.1		3.1	
IR10MW59A	B	0.5	U	0.5	U	0.5	U	0.24	J	0.24	J
IR10MW61A	B	34				39		15		15	
IR10MW62A	B	0.5	U			0.5	U	0.5	U	0.5	U
IR10MW71A	B	2.2				2.0		5.1		5.1	
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	U	0.5	UJ	0.5	UJ
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	Oct-Dec 2005 (ug/L)		Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 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	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	Oct-Dec 2005 (ug/L)		Jan-Mar 2006 (ug/L)		Apr-Jun 2006 (ug/L)		Jul-Sep 2006 (ug/L)		Most Recent (ug/L)	
IR06MW42A	C*	20	U	20	U	0.5	U	0.5	U	0.5	U
IR06MW45A	C*			20	U	0.5	U	decommissioned		0.5	U
IR07MW19A	B	6	J	20	U	0.5	U	0.5	UJ	0.5	UJ
IR07MW20A1	B	8	J	20	UJ	0.5	U	0.5	U	0.5	U
IR07MW21A1	B	20	U	20	UJ	0.5	U	0.5	UJ	0.5	UJ
IR07MW23A	B			20	UJ			0.5	U	0.5	U
IR07MW24A	B	20	U	20	U	0.5	U	0.5	UJ	0.5	UJ
IR07MW25A	B	20	U	20	U	0.5	U	0.5	UJ	0.5	UJ
IR07MW26A	B	20	U	20	U	0.5	U	0.5	UJ	0.5	UJ
IR07MW27A	B			20	U			0.5	U	0.5	U
IR07MW28A	NNP	20	U	20	U	0.5	U	0.5	UJ	0.5	UJ
IR07MWS-2	B	20	U	20	UJ	0.5	U	0.5	UJ	0.5	UJ
IR07MWS-4	B	20	U	20	U	0.5	U	0.5	U	0.5	U
IR10MW12A	B	680	D	240	J	487		decommissioned		487	
IR10MW31A1	B	20	U	20	U	0.5	U	0.5	U	0.5	U
IR18MW21A	B	20	U	6.9	J	0.5	U	0.15	J	0.15	J
IR25MW17A	C*			20	UJ	0.5	U	4.7	J	4.7	J
IR26MW41A	B	20	U	20	UJ	0.5	U	0.5	UJ	0.5	UJ
IR26MW46A	B	20	U	20	UJ	0.5	U	0.5	UJ	0.5	UJ
IR26MW47A	B	20	U	20	UJ	0.5	U	0.5	UJ	0.5	UJ
IR26MW48A	B	20	U	20	U	0.5	U	0.5	U	0.5	U
IR26MW49A	B							0.5	UJ	0.5	UJ
IR26MW50A	B							0.5	UJ	0.5	UJ
IR46MW37A	B	20	U	20	UJ	0.5	U	0.5	UJ	0.5	UJ
IR61MW05A	B			20	U			0.5	UJ	0.5	UJ
PA50MW01A	B	20	U	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	Oct-Dec 2005	Jan-Mar 2006	Apr-Jun 2006	Jul-Sep 2006
IR06MW42A*	Utility Line	None	None	None	None
IR06MW45A*	Sentinel/VOC	Not analyzed	None	Not Analyzed	None
IR07MW19A	POC	None	None	None	Copper
IR07MW20A1	Post-Remedial Action	None	None	None	Copper
IR07MW21A1[a]	Post-Remedial Action	None	None	None	None
IR07MW23A	Sentinel	Not Sampled	None	Not Sampled	None
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	Not Sampled	None	Not Sampled	None
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	Hexavalent chromium	Decommissioned July 2006
IR10MW31A1	POC/VOC	None	None	None	None
IR18MW21A	On- and Off-Site	None	None	None	None
IR25MW17A*	Sentinel/VOC	Not analyzed	None	Not Analyzed	None
IR26MW41A	POC	None	None	None	None
IR26MW46A[d]	Supplemental	None	None	None	None
IR26MW47A[d]	Supplemental	Mercury	None	None	Copper
IR26MW48A[d]	Supplemental	None	None	None	None

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

Well ID	Well Type	Oct-Dec 2005	Jan-Mar 2006	Apr-Jun 2006	Jul-Sep 2006
IR26MW49A[e]	Supplemental				None
IR26MW50A[e]	Supplemental				None
IR46MW37A	POC	None	None	None	None
IR61MW05A	Sentinel	Not Sampled	None	Not Sampled	None
PA50MW01A	POC/VOC	None	None	None	None
UT03MW11A	Sentinel	Not Sampled	None	Not Sampled	None

Notes:

*: Physically 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. Metals concentrations are reported as dissolved metals.

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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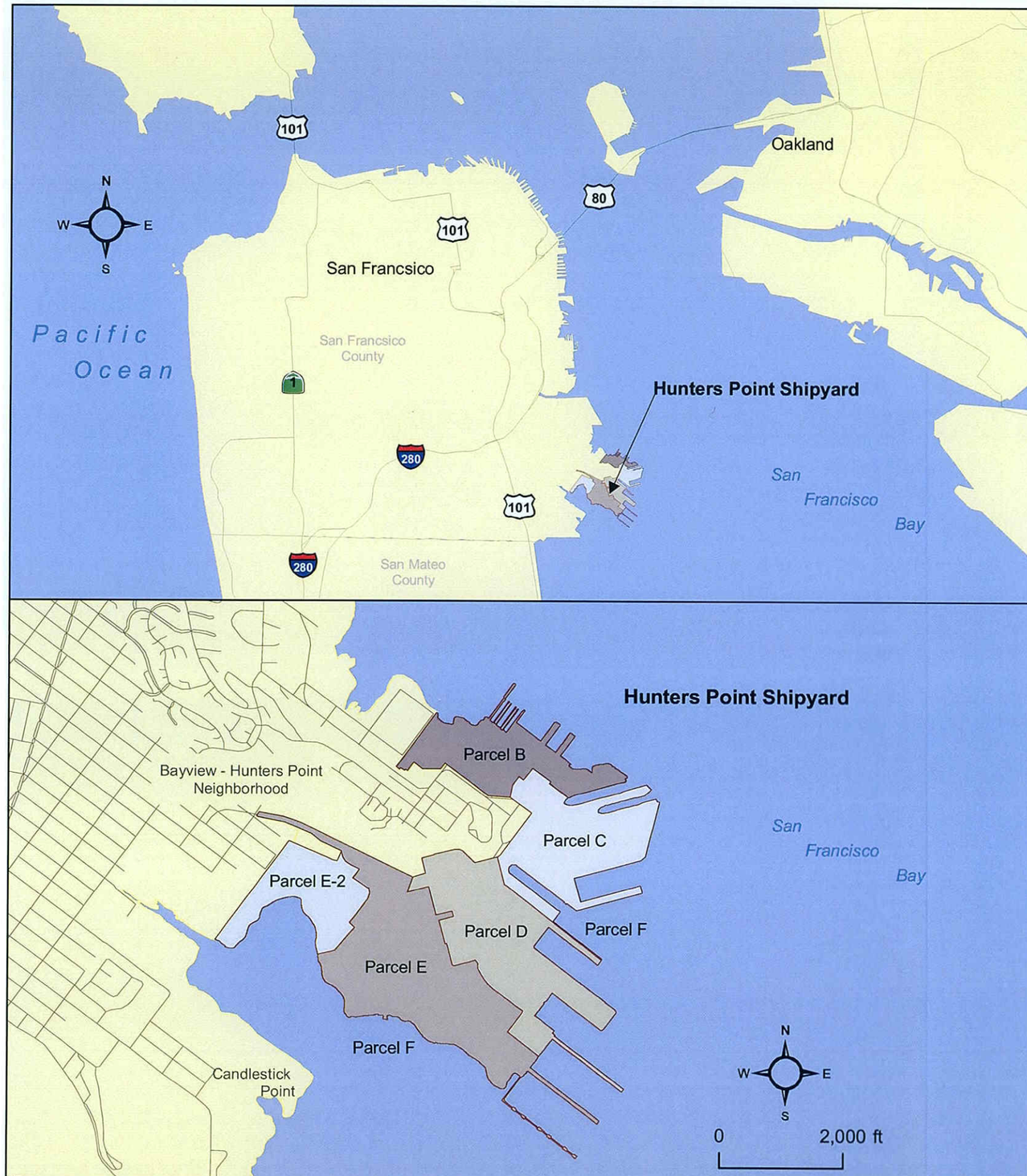

FIGURE 1 - 1

Geographic Setting

Parcel B
Quarterly Groundwater Monitoring Report (July - September 2006)
January 2007 Revision 0

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Legend

- Monitoring well, DTW only
- Monitoring well, both DTW and groundwater sample
- Monitoring well, groundwater sample only
- Monitoring well, decommissioned
- Streets
- Water supply line
- Storm drain line
- Sanitary sewer line
- Extraction Treatability Studies
- IR-18 Installation Restoration Sites
- Remedial action excavation
- 134 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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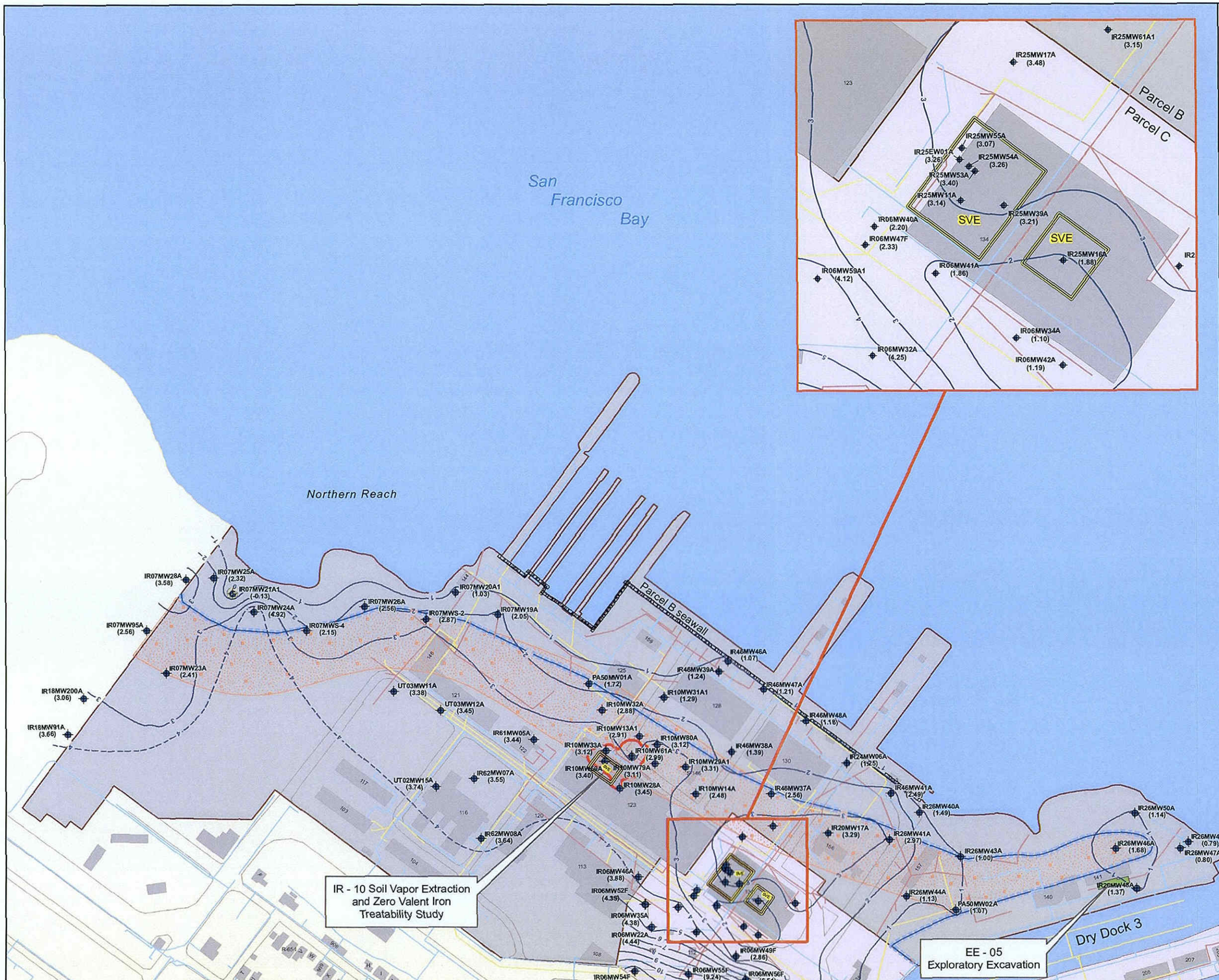

Legend

- Monitoring well, showing well ID and groundwater elevation (feet relative to Mean Sea Level [ft MSL])
- 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
- IR-10 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

N W E S

0 300 ft

FIGURE 3 - 1

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

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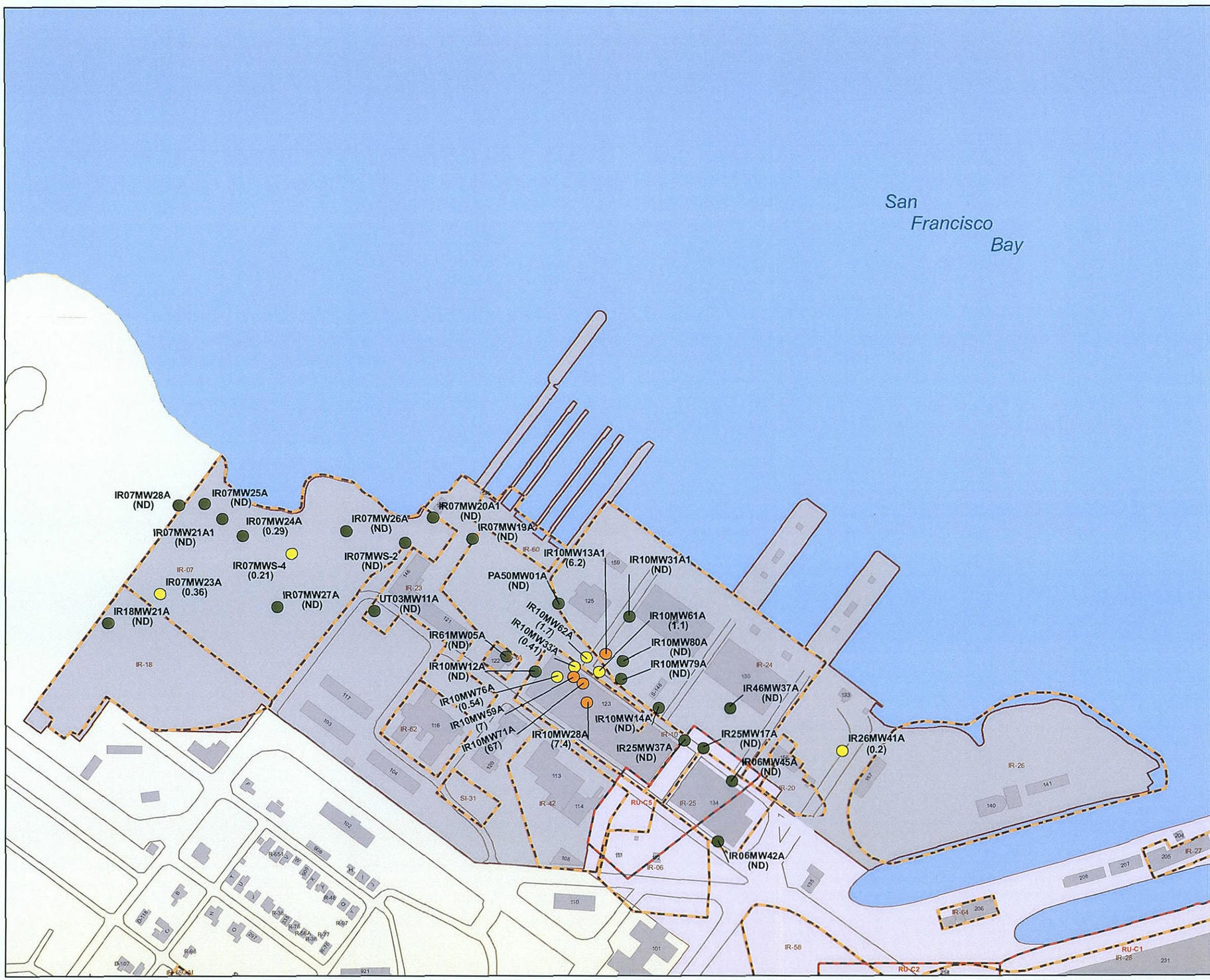

Legend

Trichloroethene Concentration (ug/L)

- Greater than 100
- 5 to 100 (CA MCL: 5 ug/L)
- Not detected to 5
- Not Detected
- Roads
- Remedial units
- Installation Restoration site
- 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 500ft

FIGURE 4 - 1

Lateral distribution of trichloroethene in groundwater

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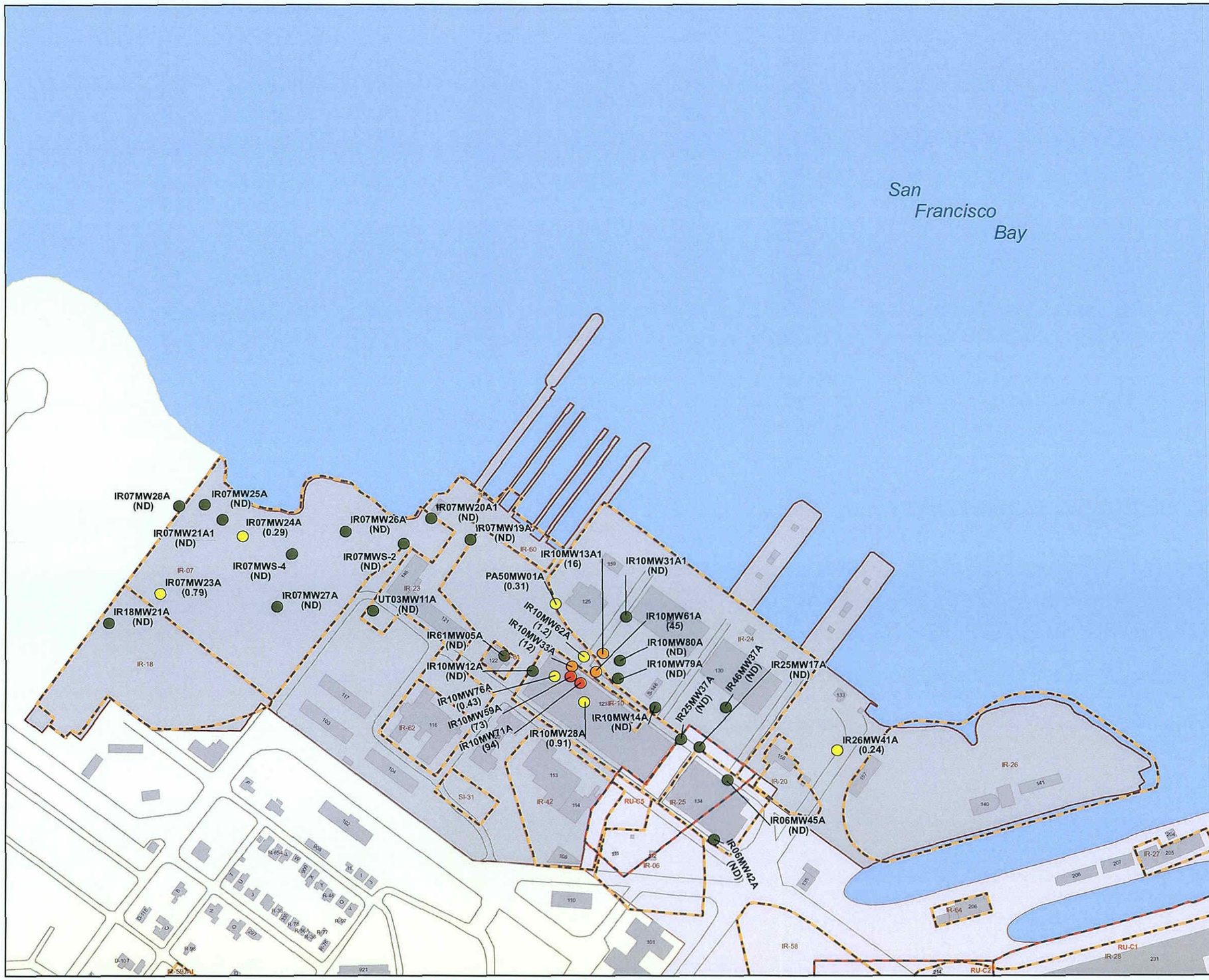

Legend

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

- Greater than 70 (Fed: 70 ug/L)
- 6 to 70 (CA MCL: 70 ug/L)
- Not detected to 6
- Not Detected
- Roads
- Remedial units
- Installation Restoration site
- 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)
- Not detected to 0.5
- Not Detected

- Roads
- Remedial units
- Installation Restoration site
- 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 - 3

Lateral distribution of vinyl chloride in groundwater

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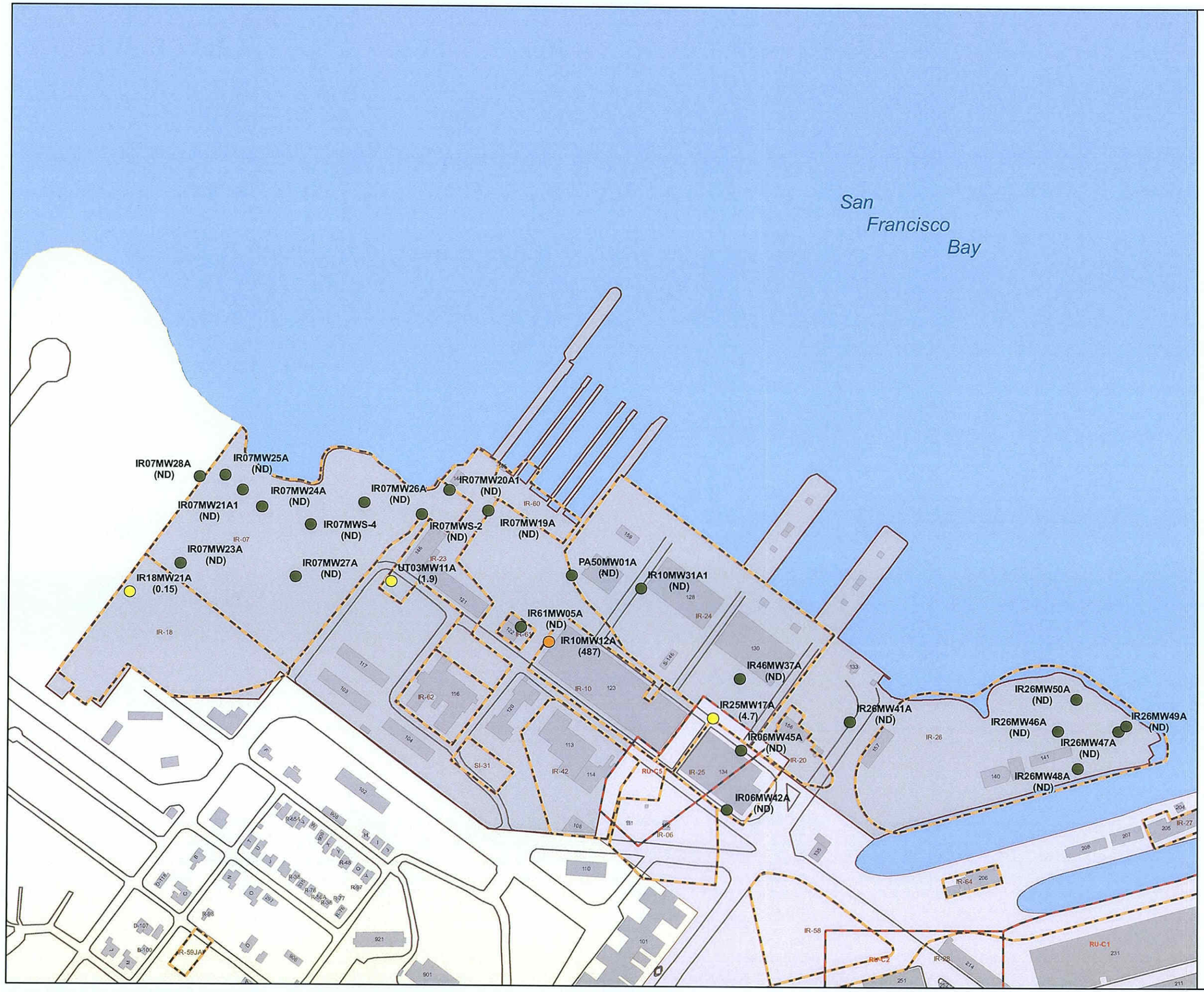

Legend

Hexavalent Chromium concentration (ug/L)

- Greater than 500
- 50 to 500 (NAWQC: 50 ug/L)
- Not Detected to 50
- Not Detected
- Roads
- Remedial unit
- Installation Restoration site
- 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

0 250 500 ft

FIGURE **4 - 4**

Lateral distribution of hexavalent chromium in groundwater

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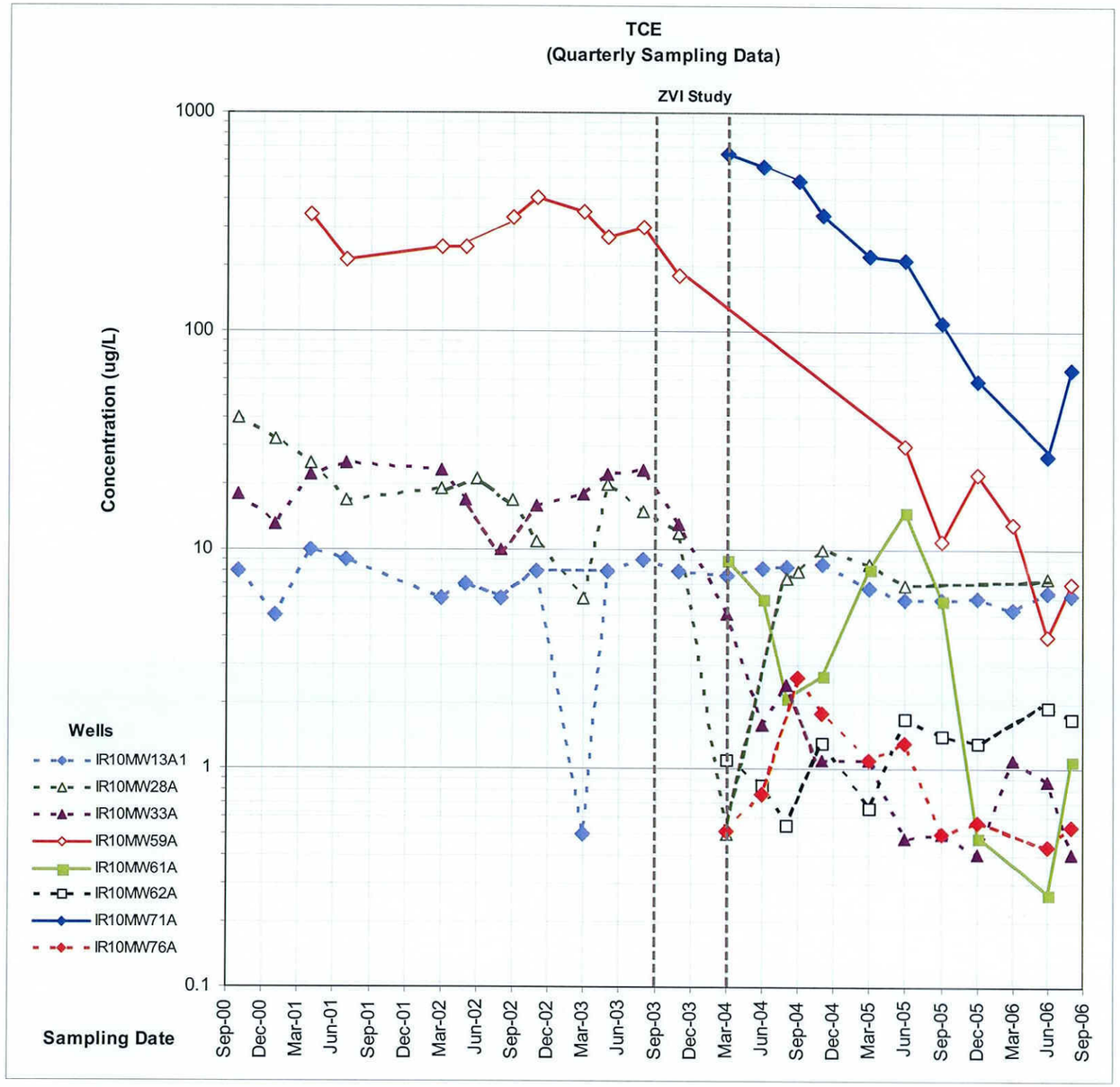
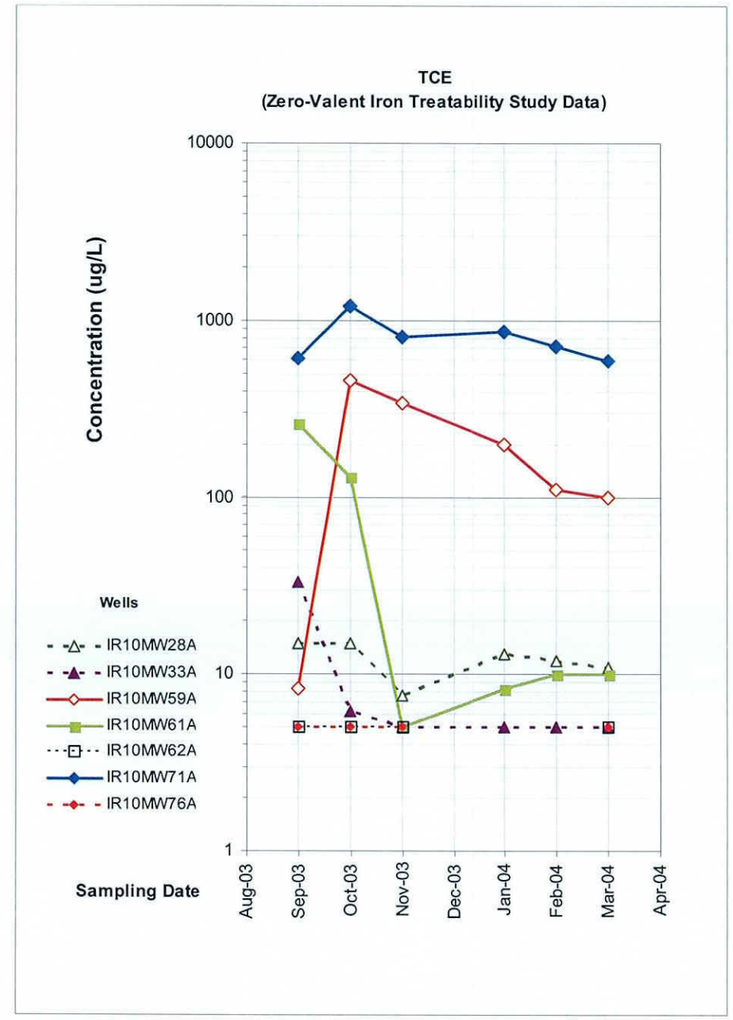


Note:
Nominal detection limit 0.5 ug/L.
Non-detects greater than 0.5 ug/L shown with "U" qualifier.



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

FIGURE 4-5

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

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(July - September 2006)
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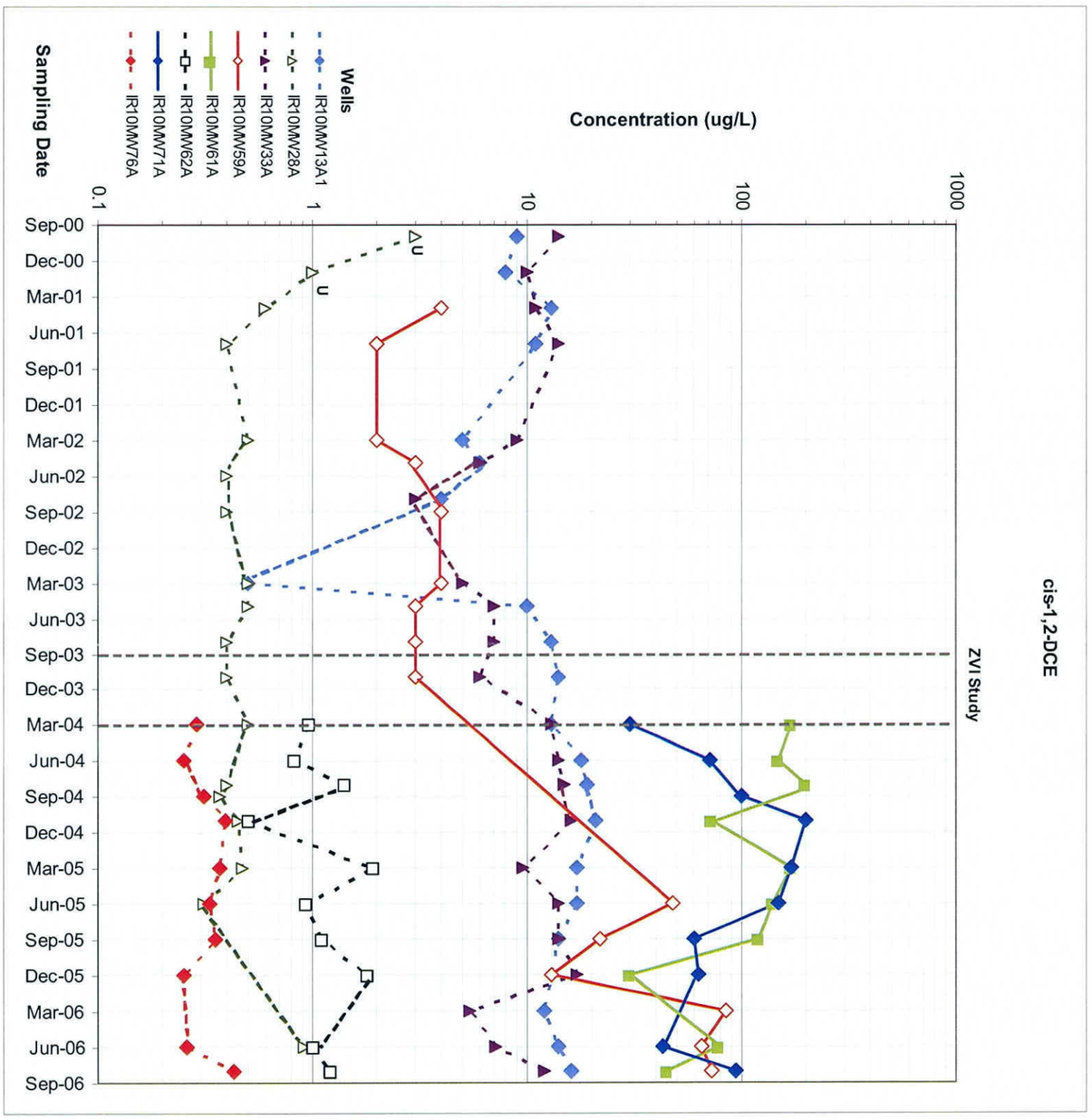

Note:
Nominal detection limit 0.5 ug/L.
Non-detects greater than 0.5 ug/L shown with "U" qualifier.

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

Parcel B Quarterly Groundwater Monitoring Report
(July - September 2006)
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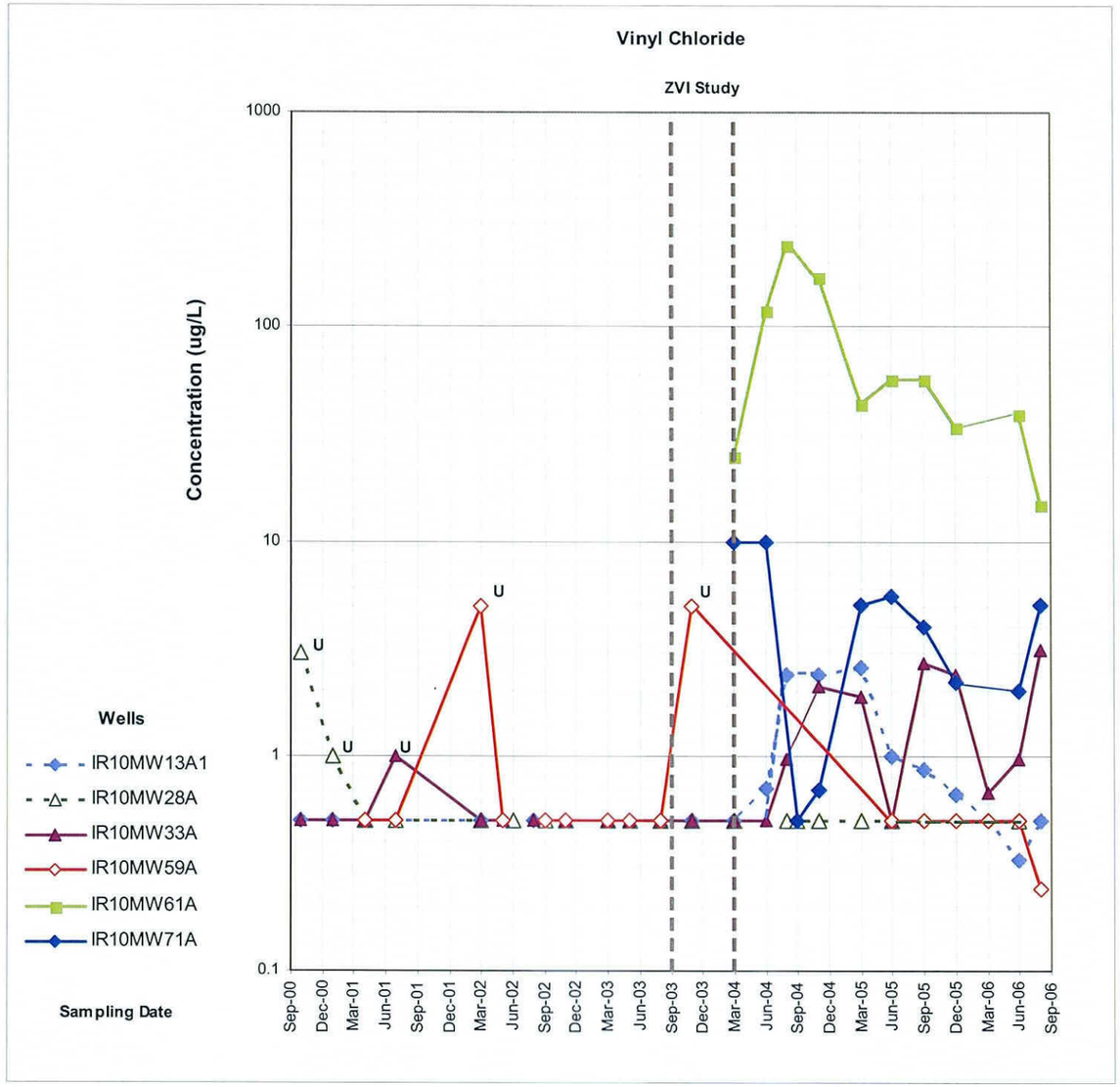
FIGURE
4-6



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

FIGURE 4-7

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

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(July - September 2006)
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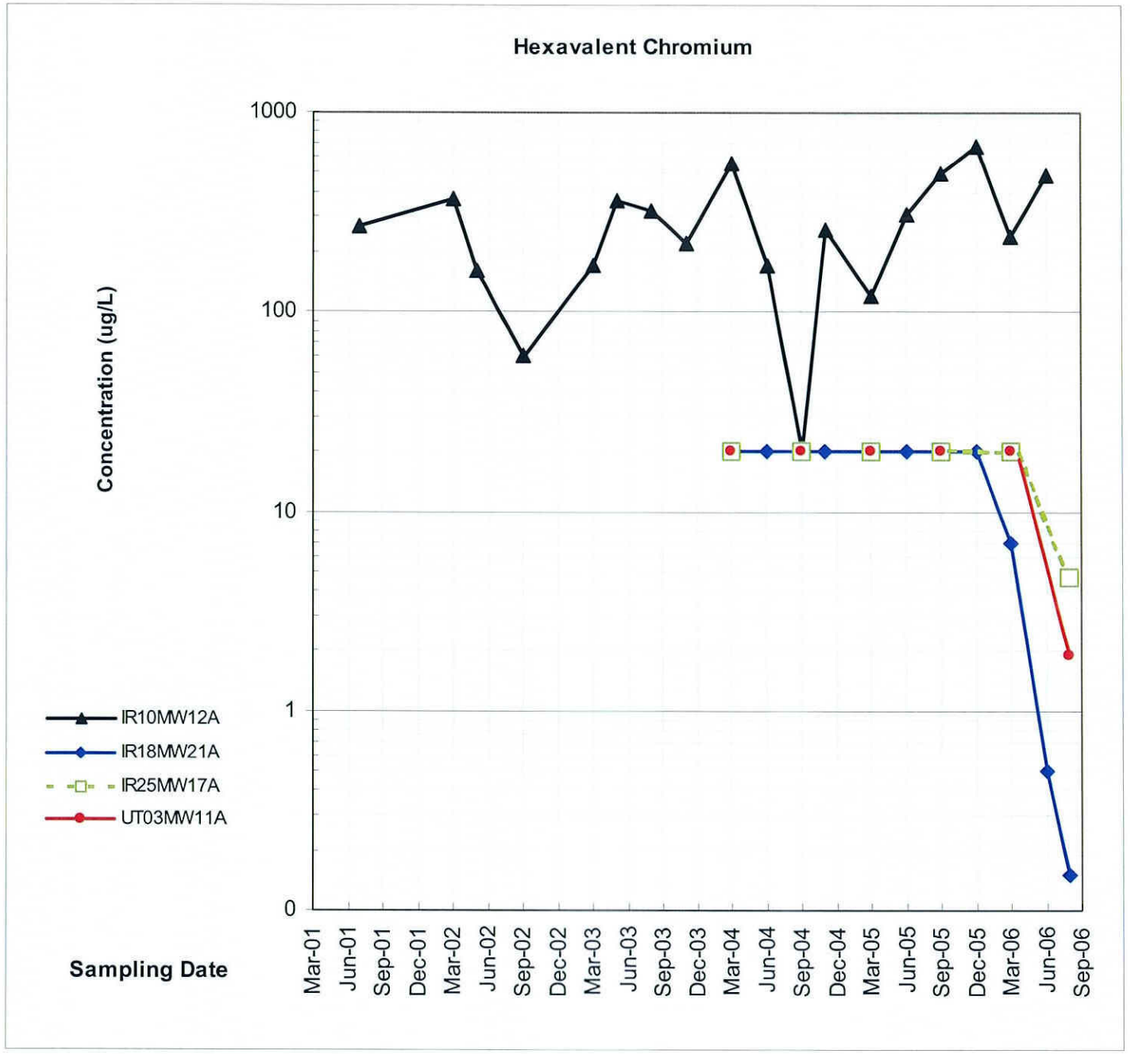

Note: Well IR10MW12A was decommissioned in July 2006; no new data are available.
Nominal detection limits for method 7196A 20ug/L (2001-6/2006); for method 7199 0.5 ug/L (6/2006 onward).
Non-detects greater than the method detection limit shown with "U" qualifier.

FIGURE 4-8

Time-series Plot of Hexavalent Chromium Concentrations in Groundwater

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(July - September 2006)
January 2007 Revision 0

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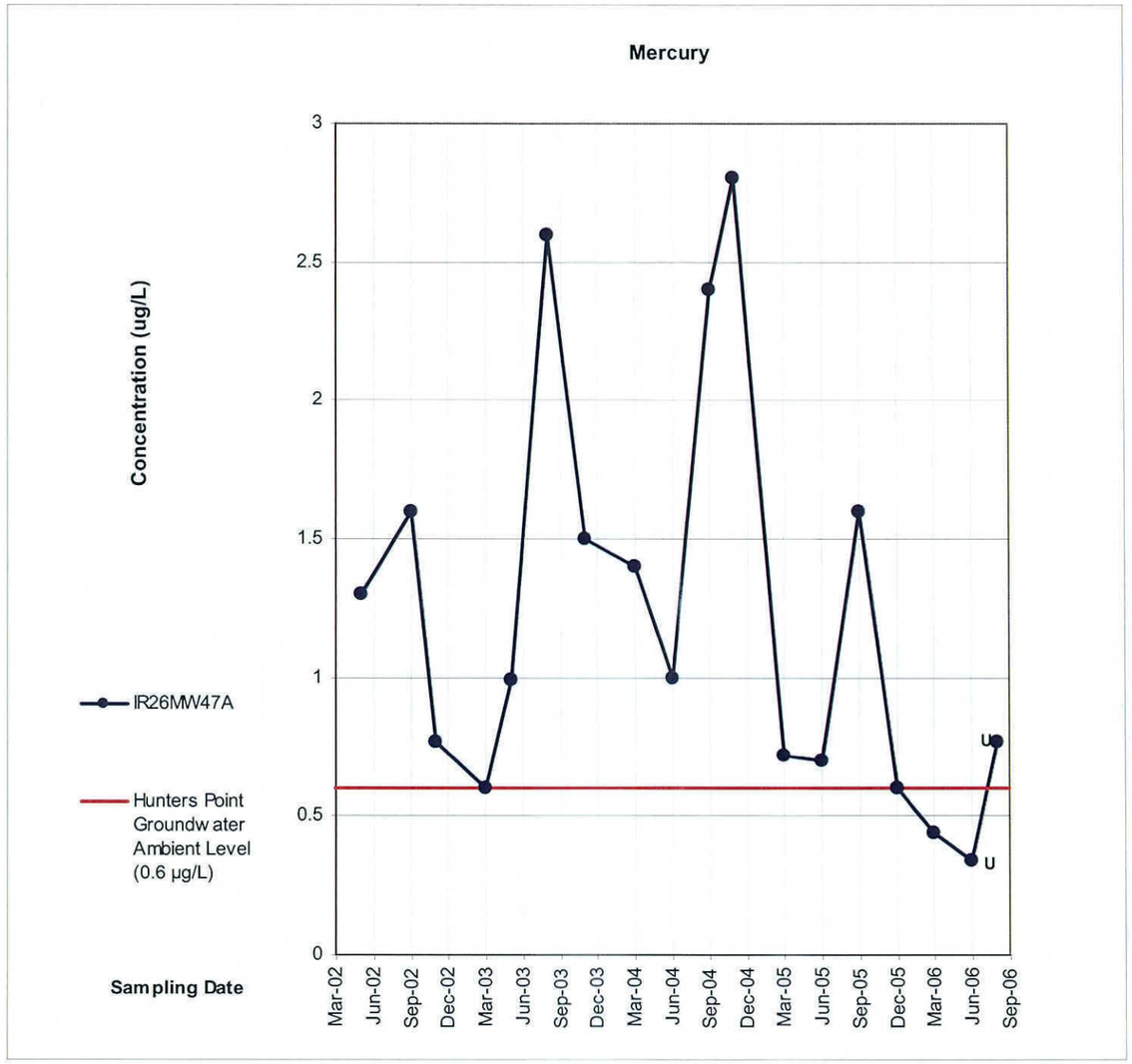

Note:
Non-detects shown with "U" data qualifier.

FIGURE 4-9

Time-series Plot of Mercury Concentrations in Groundwater for Well IR26MW47A

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Appendix A.
Groundwater Elevation Measurement Forms

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Hunters Point Shipyard - San Francisco, California

Field Team Number: 1

Field Team Personnel: V. Sims VS 8/16/06

Water Level Indicator Model and ID# Heron 13430

Event Date: 8/16/06

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
~~PA18MW08A~~	Decommissioned						JRC 18 Aug 06
IR07MW21A1	P1005	0.0	14.02	14.02	14.02		
IR07MW23A	P1018	0.0	13.35	13.35	13.35		
IR07MW24A	P1009	0.0	11.34	11.34	11.34		
IR07MW25A	P1012	0.0	10.35	10.35	10.35		
IR07MW26A	P1000	0.0	11.94	11.94	11.94		
IR07MW27A	Covered by Soil in Laydown Area						JRC 18 Aug 06
IR07MW28A	1053	0.0	8.45	8.45	8.45		
IR07MW93A	Covered by Soil in Laydown Area						JRC 18 Aug 06
IR07MW94A	Covered by Soil in Laydown Area						JRC 18 Aug 06
IR07MW95A	1053 VS 8/16/06	0.0	14.04	14.04	14.04		
IR07MWS-2	P1024	0.0	9.84	9.84	9.84		
~~IR07MWS-3~~	Decommissioned						JRC 18 Aug 06
IR07MWS-4	P1002	0.0	14.63	14.63	14.63		
IR18MW100B	Covered by Soil in Laydown Area						JRC 18 Aug 06
IR18MW101B	Covered by Soil in Laydown Area						JRC 18 Aug 06
IR18MW200A	1059	0.0	23.90	23.90	23.90		
IR18MW21A	Covered by Soil in Laydown Area						JRC 18 Aug 06
IR18MW91A	1059	0.0	15.09	15.09	15.09		
IR18MW92A	~~covered by soil~~ VS 8/16/06 in located in Laydown Area						

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 2 Event Date: 8/16/06

Field Team Personnel: Matt Owen

Water Level Indicator Model and ID# Heron R7174 Page 1 of 2

	Well Number	Time	PID Reading	Depth to Groundwater (three measurements to nearest 0.01 ft) 1st 8.16.06	2nd	3rd	Measured Total Depth	Notes LGM readings, well condition, etc
	IR07MW19A	1037	0.0	~~7.75~~ 7.51	7.51	7.51		new lock & Bolts
	IR07MW20A1	1029	0.0	8.23	8.23	8.23		
	~~IR10MW12A~~	– Decommissioned						JRC 16 Aug 06
✓	IR10MW13A1	1037	0	7.01	7.01	7.01		
✓	IR10MW31A1	1045	0	9.05	9.05	9.05		
✓	IR10MW33A	1041	0	7.05	7.05	7.05		
?	IR10MW61A	1039	0	7.06	7.06	7.06		
	IR46MW39A	P 1021	0	8.51	8.51	8.51		
Redd	IR46MW43A							Access blocked by solid fence JRC 16 Aug 06
	IR46MW46A	P1025		8.54	8.54	8.54		
	IR46MW47A	P 1014	0	8.48	8.48	8.48		
✓	IR46MW48A	1030	0	7.71	7.71	7.71		
	~~IR60MW08A~~	– Decommissioned						JRC 16 Aug 06
✓	~~IR61MW05A~~	~~1010~~	~~0~~	~~8.83~~	~~8.83~~	~~8.83~~		MWO 16 Aug 06 on other page
Redd	IR62MW07A	1008	0	6.65	6.65	6.65		
Redd	IR62MW08A	1005	0	6.71	6.71	6.71		
	~~PA24MW02A~~	– Decommissioned						JRC 16 Aug 06
✓	PA50MW01A	1053	0	7.46	7.46	7.46		
Redd	UT02MW15A	1010	0	8.83	8.83	8.83		
✓	UT03MW11A	1043	0.0	6.56	6.56	6.56		
✓	UT03MW12A	1105	0	6.65	6.65	6.65		

Field Team Signature(s): [signature]

Hunters Point Shipyard - San Francisco, California

Field Team Number: 2 Event Date: 8/16/06

Field Team Personnel: Matt Owens

Water Level Indicator Model and ID# Heron R7189 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
IR10MW32A	1049	0	6.89	6.89	6.89		
IR61MW05A	1059	0	6.67	6.67	6.67		

6.67

Field Team Signature(s):

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 3

Event Date: 8/16/06

Field Team Personnel: Cynthia Borchas & Dorothy Williams

Water Level Indicator Model and ID# Heron / 13080

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
IR06MW22A	P 1054	0.0	5.56	5.56	5.56		
IR06MW32A	P 1050	0.0	5.65	5.65	5.65		
IR06MW35A	P 1057	0.0	5.35	~~5~~ 5.35	5.35		
IR06MW40A	P 1040	0.0	7.88	7.88	7.88		
IR06MW41A	P 1045	0.0	7.92	7.92	7.92		
IR06MW46A	P 1146	0.0	5.58	5.58	5.58		
IR06MW47F	P 1043	0.0	7.33	7.33	7.33		
IR06MW49F	P 1047	0.0	8.63	8.63	8.63		missing well lid/J. Copland placed a new lid on this well.
IR06MW52F	P 1056	0.0	5.35	5.35	5.35		
IR06MW54F	P 1201	0.0	23.33	23.33	23.33		
IR06MW55F	P 1158	0.0	23.10	23.10	23.10		
IR06MW56F	P 1154	0.0	18.53	18.53	18.53		
IR06MW59A1	P 1059	0.0	5.34	5.34	5.34		
IR10MW14A	P 1139	0.0	7.75	7.75	7.75		
IR10MW28A	P 1118	0.0	10.12	10.12	10.12		4721 lock code
IR10MW29A1	P 1016	0.0	5.84	5.84	5.84		
IR10MW59A	P 1115	0.0	10.39	10.39	10.39		4721 lock code needs new well cap
IR46MW38A	P 1030	0.0	8.39	8.39	8.39		
IR10MW79A	P 1027	0.0	7.00	7.00	7.00		No internal or external well ID
IR10MW80A	P 1023	0.0	~~10~~ 6.55	6.55	6.55		

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 4 Event Date: 8/16/06
Field Team Personnel: John Copland, Omar Khan
Water Level Indicator Model and ID# Heron Dipper-T #13356 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	P1043	Ø	9.27	9.27	9.27		Ø
IR06MW42A	P1046	Ø	10.70	10.70	10.70		Ø
IR06MW44A	Inaccessible due to trenches						JRC 16 Aug Ø6
~~IR06MW50F~~	Decommissioned						JRC 16 Aug Ø6
IR25EW01A	P1253	0.0	7.55	7.55	7.55		
IR25MW11A	P1244	7.6	7.31	7.31	7.31		solvent odor
IR25MW16A	P1249	0.4	9.14	9.14	9.14		
~~IR25MW18A~~	Decommissioned						JRC 16 Aug Ø6
~~IR25MW20A~~	Decommissioned						JRC 16 Aug Ø6
IR25MW37A	covered by soil stock pile						JRC 16 Aug Ø6
IR25MW37B	covered by soil stock pile						JRC 16 Aug Ø6
IR25MW39A	P1245	1.1	8.00	8.00	8.00		3 man crew
IR25MW39B	P1247	0.2	9.15	9.15	9.15		
IR25MW42B	Inaccessible due to trenches						JRC 16 Aug Ø6
IR25MW53A	P1242	0.3	7.67	7.67	7.67		
IR25MW54A	P1243	3.3	7.86	7.86	7.86		
IR25MW55A	P1254	85.3	7.32	7.32	7.32		
IR25MW60A1	Removed previously in trench						JRC 16 Aug Ø6
~~IR25MW60A2~~	Decommissioned						JRC 16 Aug Ø6
IR25MW900B	P1239	Ø	8.66	8.66	8.66		
IR25MW901B	P1241	Ø	8.65	8.65	8.65		

Field Team Signature(s): John R. Copland, Omar Kh

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 4 Event Date: 8/16/06
Field Team Personnel: John Copland, Omar Khan
Water Level Indicator Model and ID# Heron Dipper-T #13356 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	P1237	21.0	8.65	8.65	8.65	X	21.0 ppm - PID
Immiscible Phase Testing							
Interface Probe	~~1301~~		DTW	PRODUCT	TD		HERON H.O.I.L. #01-1841
IR25MW54A	1258	–	7.86	No	16.54	X	NO LNAPL OR DNAPL
IR25MW902B	1301	–	8.65	No	28.19	X	NO LNAPL OR DNAPL

Field Team Signature(s): John R. Copland, Omar Khan

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 5 **Event Date:** 8/16/06

Field Team Personnel: John Copland, Omar Khan

Water Level Indicator Model and ID# Heron Dipper-T, R170, #13356 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 16 Aug 06
IR06MW57F	P 1335	Ø	15.31	15.31	15.31		
~~IR06MW58F~~	Decommissioned						TRC 16 Aug 06
IR20MW17A	P 1313	Ø	7.22	7.22	7.22		
IR24MW06A	P 1221	Ø	9.00	9.00	9.00		
IR25MW17A	P 1326	Ø	6.83	6.83	6.83		
~~IR25MW38A~~	NEVER	INSTALLED					TRC 16 Aug 06
IR25MW38B	P 1320	Ø	7.92	7.92	7.92		
IR25MW50A	P 1321	Ø	6.64	6.64	6.64		
IR25MW61A1	P 1311	Ø	6.41	6.41	6.41		
IR25MW61A2	P 1312	Ø	6.55	6.55	6.55		
IR26MW40A	P 1211	Ø	8.40	8.40	8.40		
IR26MW41A	P 1204	Ø	7.08	7.08	7.08		
IR26MW43A	P 1201	Ø	6.09	6.09	6.09		
IR26MW44A	P 1153	Ø	7.12	7.12	7.12		
IR26MW46A	P 1125	Ø	6.40	6.40	6.40		✓
IR26MW47A	P 1120	~~6.95~~	6.95	6.95	6.95		✓
IR26MW48A	P 1102	~~6.66~~ Ø	6.66	6.66	6.95		Ø
IR46MW37A	1335	Ø	7.02	7.02	7.02		barely found, not vented
IR46MW41A	P 1209	Ø	7.08	7.08	7.08		
IR58MW24F	P 1350	Ø	12.60	12.60	12.60		

Field Team Signature(s): John R. Copland, Omar Khan

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 5

Event Date: 8/16/06

Field Team Personnel:

Water Level Indicator Model and ID#

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	P 1135	Ø	5.68	5.68	5.68		
PA50MW02A	P 1202	Ø	6.73	6.73	6.73		
IR26MW49A	P 1110	Ø	7.20	7.20	7.20		
IR26MW50A	P 1114	Ø	6.28	6.28	6.28		
	1106	6.60					

Field Team Signature(s): John R. Copland, [illegible]

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 6 **Event Date:** 8/16/06

Field Team Personnel: Patsy Candley, Karen Barnes

Water Level Indicator Model and ID# Heron Instruments, dipper T ID# E4467 **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	1056	0	7.57	7.57	7.57		Bolts don't tighten
IR28MW189F	1033	0	6.11	6.11	6.11		Bolts don't tighten
IR28MW190F	~~1038~~ 1202 KSB	0.3	~~6.79~~ 7.89 KSB	~~6.79~~ 7.89	~~6.79~~ 7.89 KSB		
IR28MW286A ✓	1138	0	7.58	7.58	7.58		
IR28MW287A ✓	1123	0.1	6.65	6.65	6.65		1 bolt missing
IR28MW299B	~~1117~~ 1158 KSB	0	~~7.58~~ 7.14 KSB	~~7.58~~ 7.14	~~7.58~~ 7.14 KSB		
IR28MW308A ✓	1143	0	5.51	5.51	5.51		
IR28MW313F	~~Covered by dirt / tarping~~ 1100 KSB	~~0.1~~	~~9.76~~	9.76 KSB	9.76		
IR28MW397A ✓	1131	0	6.54	6.54	6.54		
IR28MW397B ✓	1128	0	6.96	6.96	6.96		bolts don't tighten
IR28MW398A ✓	1149	0	7.12	7.12	7.12		
IR28MW398B ✓	1147	0	6.56	6.56	6.56		
IR28MW910A	1047	0.0	6.38	6.38	6.38		
IR28MW914A	1050	0.5	6.89	6.89	6.89		
IR58MW25F	~~Covered by dirt / tarping~~ 1211 KSB	~~0~~	~~7.45~~	7.45	7.45		* covered but tarping moved by contractor
IR58MW26A	1108	0.0	5.70	5.70	5.70		
IR58MW31A	1045	0.0	6.35	6.35	6.35		
IR58MW31F	1038	0.3	6.79	6.79	6.79		
IR58MW32B	~~1035~~ 1149 KSB	~~0.4~~ 2.4 KSB	~~6.47~~ 6.29	~~6.47~~ 6.29	~~6.47~~ 6.29 KSB		
IR58MW33B	1041	0.0	6.47	6.47	6.47		

Field Team Signature(s): Ka Pa

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 7 **Event Date:** 8/16/06
Field Team Personnel: Gary Thomas
Water Level Indicator Model and ID# Heron R7174 **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~~	- Decommissioned						TRC 16 Aug 06
IR02MW179A	1122	0.0	8.81	8.81	8.81		Steel monument (above grade) is in poor condition and needs replaced
IR02MW183A	Not found; may be covered by soil pile						
~~IR02MW300A~~	- Decommissioned						TRC 16 Aug 06
IR08MW38A	1042	0.0	6.33	6.33	6.33		
IR08MW40A	1048	0.0	5.02	5.02	5.02		well has slip cap, but needs an expansion cap
IR08MW44A	1038	0.0	5.43	5.43	5.43		
IR08MWW-6	1053	0.0	4.61	4.61	4.61		Well Labelled as IR08MW6A
IR14MW12A	1032	0.0	8.35	8.35	8.35		
IR15MW07A	1205	0.0	10.96	10.96	10.96		
IR17MW11A	1106	0.0	6.31	6.31	6.31		No bolts on lid
IR17MW12A	1103	0.0	6.09	6.09	6.09		
IR17MW13A	1059	0.0	5.31	5.31	5.31		No bolts on lid, and lid doesn't fit properly
IR50MW15A	1148	0.0	5.67	5.67	5.67		
IR73MW04A	1112	0.0	11.55	11.55	11.55	Data may not be accurate	Upper portion of well casing (w/ PVC) and above grade monument have been broken off so unless well has been surveyed ~~since~~ after it was broken then survey data is incorrect for TOC
PA16MW17A	1141	0.0	6.96	6.96	6.96 ± (Bolts have broken off in hole)		
PA16MW18A	1144	0.0	6.96	6.96	6.96		
PA50MW05A	1154	0.0	5.03 ~~7.24~~ GDT	5.03 ~~7.24~~	5.03		
PA50MW08A	1136	0.0	7.24	7.24	7.24		Needs new bolts and one bolt hole is broken

Field Team Signature(s): [signature]

Hunters Point Shipyard - San Francisco, California

Field Team Number: 8 Event Date: 8/16/06

Field Team Personnel: JOHN WILLIAMS

Water Level Indicator Model and ID# HERON 3445 R3436 (ASHHEAD) 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	1102	0.0	6.48	6.48	6.48		
IR28MW123A	1040	0.0	6.87	6.87	6.87		BOLT HOLES STRIPPED
IR28MW125A	1153	0.0	6.18	6.18	6.18		
IR28MW126A	1158	0.0	5.98	5.98	5.98		LOCK JAMMED/BOLTS STRIPPED
IR28MW127A	1211	0.0	5.74	5.74	5.74		
IW IR28MW136A	1175	0.0	5.88	5.88	5.88		
IR28MW140F	1107	0.0	6.34	6.34	6.34		MISSING 1 BOLT
IR28MW255F	1213	0.0	6.40	6.40	6.40		
IR28MW268A	1205	0.0	6.01	6.01	6.01		
IR28MW271A	1034	0.0	6.02	6.02	6.02		LOCK CORRODED/2 BOLTS MISSING
IW IR28MW314B	1127	0.0	7.03	7.03	7.03		
~~IR28MW324A~~	Decommissioned		—	—	—		~~IRC 16 Aug 06~~
~~IR28MW326A~~	Decommissioned		—	—	—		~~IRC 16 Aug 06~~
~~IR28MW333A~~	Decommissioned		—	—	—		~~IRC 16 Aug 06~~
IW IR28MW334A	1123	0.0	7.14	7.14	7.14		
IW IR28MW338A	1118	0.0	7.02	7.02	7.02		
IR28MW339A	~~1045~~ 1051	0.0	~~6.98~~ 6.67	~~6.98~~ 6.67	~~6.98~~ 6.67		
IR28MW340A	1055	0.0	6.86	6.86	6.86		
IR28MW399B	1045	0.0	6.98	6.98	6.98		
IW IR28MW401B	1140	0.0	6.86	6.86	6.86		
IW PA28MW51A	1142	0.0	6.53	6.53	6.53		

Field Team Signature(s): [signature]

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 13373

Event Date: 8/16/06

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Order Performed	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
8	IR28MW150A	11:08	0.0	6.94	6.94	6.94		
4	IR28MW151A	10:43	0.0	6.65	6.65	6.65		controlled access
18	IR28MW155A	11:58	0.0	7.10	7.10	7.10		cover labeled correct ← street label incorrect
16	IR28MW169A	11:43	0.0	7.71	7.71	7.71		
5	IR28MW170A	10:47	0.0	6.89	6.89	6.89		Broken Cover controlled access
11	IR28MW171A	11:23	0.0	5.63	5.63	5.63		
12	IR28MW171B	11:25	0.0	5.84	5.84	5.84		
18	IR28MW173B	11:50	0.0	6.14	6.14	6.14		
14	IR28MW221A	11:34	0.0	7.54	7.54	7.54		
15	IR28MW221B	11:38	0.0	7.61	7.61	7.61		
	~~IR28MW290A~~	Decommissioned		—	—	—	-	JRC 16 Aug 06
1	IR28MW297A	10:15	0.0	6.44	6.45	6.45		
13	IR28MW309B	11:30	0.0	7.09	7.09	7.09		
9	IR28MW353A	11:15	0.0	6.74	6.74	6.74		
10	IR28MW353B	11:17	0.0	5.60	5.60	5.60		
17	IR28MW354B	11:47	0.0	6.32	6.32	6.32		
3	IR28MW394A	10:30	0.0	6.65	6.65	6.65		
2	IR28MW394B	10:27	0.0	7.25	7.25	7.25		
6	IR28MW400B	10:50	0.0	7.24	7.24	7.24		controlled access
7	PA50MW03A	11:02	0.0	6.07	6.07	6.07		

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 10 Event Date: 8/16/06
Field Team Personnel: OMAR KHAN
Water Level Indicator Model and ID# HERON INSTRUMENTS 100' 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	1130	0.0	6.13	6.13	6.13		
IR28MW200A	1032	0.0	7.06	7.06	7.06		PARKING SLOTS NEED TO BE CONED OFF A DAY IN ADVANCE → TERRA TECH PRK LOT
IR28MW201F	1027	0.0	6.85	6.85	6.85		" " "
IR28MW216F	1115	0.0	5.92	5.92	5.92		
IR28MW217A	1122	0.0	6.60	6.60	6.60		
IR28MW272A	1022	0.0	6.75	6.75	6.75		PLEASE HAVE PRK SLOTS CONED OFF IN ADVANCE
IR28MW272F	1015A	0.0	6.63	6.63	6.63		" " " → NOT PROPERLY LOCKED STRING IN THE WAY
IR28MW298A	1009A	0.0	6.93	6.93	6.93		
IR28MW310F	1047	0.0	5.50	5.50	5.50		
IR28MW311A	1049	0.0	4.91	4.91	4.91		
IR28MW311A-R1	1045	0.0	4.97	4.97	4.97		
IR28MW315A	1055	0.0	6.41	6.41	6.41		
IR28MW315B	1056	0.0	6.37	6.37	6.37		
IR28MW315F	1058	0.0	6.47	6.47	6.47		
IR28MW342F	1107	0.0	6.75	6.75	6.75		
IR28MW350F	1102	0.0	7.60	7.60	7.60		
IR28MW351F	1110	0.0	6.98	6.98	6.98		
IR28MW395F	1120	0.0	6.67	6.67	6.67		
IR28MW396B	1133	0.0	6.89	6.89	6.89		
IR28MW932F	1105	0.0	6.79	6.79	6.79		
~~IR28MW934F5~~	NOT Accessible – multiport Completion						JRC 16 Aug 06

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 10
Field Team Personnel: OMAR KHAN
Water Level Indicator Model and ID# HERON INST 100'

Event Date: 8/16/06
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 16 Aug 06
~~IR28MW933F5~~	Not Accessible – multiport completion						JRC 16 Aug 06
~~IR28MW934F4~~	Not Accessible – multiport completion						JRC 16 Aug 06
IR28MW352A	1041	0.0	5.97	5.97	5.97		
IR28MW396A	1136	0.0	6.97	6.97	6.97		

Field Team Signature(s): Omar Khan

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 11

Field Team Personnel: HERON

Water Level Indicator Model and ID# 13356

Event Date: 8/16/06

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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
IR29MW48A	P 1138	0.0	7.05	7.05	7.05		
~~IR29MW57A~~	Decommissioned						TRC 16 Aug 06
IR29MW58F	P 1141	0.0	7.00	7.00	7.00		
IR29MW84A	P 1134	0.0	6.97	6.97	6.97		
IR29MW85F	P 1146	0.0	5.41	5.41	5.41		
IR30MW01F	P 1155	0.0	1.73	1.73	1.73		
IR30MW03F	Covered by soil in CERCLA soil pile area						
IR30MW04F	P 1210	0.0	5.11	5.11	5.11		
IR50MW13F	P 1203	0.0	5.54	5.54	5.54		may be labeled as 13A
PA50MW04A	P 1206	0.0	5.79	5.79	5.79		

Field Team Signature(s): Mark Swank

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 12

Event Date: 8/16/06

Field Team Personnel: James E. Wiler Jr.

Water Level Indicator Model and ID# 501 - R7166 - Heron instruments

Page 1 of 1

DTW order	located	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
11	X	IR22MW07A	12:01 p.m.	0.0	6'7.35"	6'7.35"	6'7.35"		no access / hole in fence = access / bolts don't tighten
13	✓	IR22MW08A	12:31 p.m.	0.0	7'4.65"	7'4.65"	7'4.65"		bolts don't tighten
14	X	IR22MW15A	12:40 p.m.	0.0	9'6.65"	9'6.65"	9'6.65"		
10	X	IR22MW16A	11:55 a.m.	0.0	6'7.15"	6'7.15"	6'7.15"		No lock / cover damaged
12	X	IR22MW20A	12:05 p.m.	0.0	6'5.75"	6'5.75"	6'5.75"		bolts don't tighten
15	✓	IR35MW01A	12:48 p.m.	0.0	7'6.55"	7'6.55"	7'6.55"		No well box lid !!!
4	X	IR55MW01A	11:06 a.m.	0.0	5'8.35"	5'8.35"	5'8.35"		bolts don't tighten
2	X	IR55MW02A	10:52 a.m.	0.0	6'9.00"	6'9.00"	6'9.00"		
3	X	IR55MW04A	~~11:27 a.m.~~	0.0	3'9.55"	3'9.55"	3'9.55"		No cover
8	X	IR70MW04A	11:37 a.m.	0.0	9'4.75"	9'4.75"	9'4.75"		
6	X	IR70MW11A	11:24 a.m.	0.0	8'7.15"	8'7.15"	8'7.15"		
5	X	IR70MW12A	11:17 a.m.	0.0	8'1.35"	8'1.35"	8'1.35"		No well box bolts
1	X	PA32MW04A	10:41 a.m.	0.0	5'6.15"	5'6.15"	5'6.15"		special code 4720 / no well cap lock
9	X	PA50MW07A	11:43 a.m.	0.0	8'0.40"	8'0.40"	8'0.40"		bolts don't tighten
7	✓	IR70MW07A	11:30 a.m.	0.0	10'5.60"	10'5.60"	10'5.60"		on map / not on list

Field Team Signature(s): [signature]

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 13

Field Team Personnel: HARRY JUNG, NICKI COOK, VICKY SIMS

Event Date: 8/16/06

Water Level Indicator Model and ID# (HERON 13430) ① (ENVIROTECH 13358) ② (HERON 13340) ③

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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
IR33MW120B ①	1225	0.0	6.98	6.98	6.98		well cover in pieces
IR33MW61A ②	1024	0.0	11.65	11.65	11.65		
IR33MW62A ②	1033	0.0	7.76	7.76	7.76		
IR33MW63A ②	1218	0.0	6.95	6.95	6.95		some water
IR33MW64A ②	1021	0.0	8.84	8.84	8.84		
IR33MW65A ②	1015	0.0	7.90	7.90	7.90		cut lock off - need to replace
IR33MW66A ②	1018	0.0	8.33	8.33	8.33		
IR34MW01A ①	1200	0.0	8.06	8.06	8.06		bolt stripped
IR34MW02A ②	1141	0.0	7.63	7.63	7.63		
IR34MW36A ①	1208	0.0	8.15	8.15	8.15		bolts too short
IR34MW36B ①	1204	0.0	8.80	8.80	8.80		
IR34MW37A ①	1150	0.0	7.86	7.86	7.86		
IR34MW37B ②	1152	0.0	7.93	7.93	7.93		
IR71MW03A ②	1131	0.0	7.91	7.91	7.91		no bolts
IR71MW04A ②	1133	0.0	7.23	7.23	7.23		
IR71MW12B ②	1134	0.0	5.52	5.52	5.52		some water
PA33MW36A ①	1229	0.0	7.70	7.70	7.70		
PA33MW37A ②	1223	0.0	7.81	7.81	7.81		well cover in pieces
PA50MW11A ②	1028	0.0 ~~9.38~~	9.38	9.38	9.38		

Field Team Signature(s): Nicki E Cook

Hunters Point Shipyard - San Francisco, California

Field Team Number: 14

Field Team Personnel: Stephen B. Quayle, Nicki Cook, Harry Leung, Vicky Sims, Matt Owen

Water Level Indicator Model and ID# Heron 13430, Envirotech 13958, Heron 13340, Heron R7174

Event Date: 8/16/06

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	P 1052	0.0	8.82	8.82	8.82		No bolts
IR09MW35A	P 1124	0.0	7.72	7.72	7.72		
IR09MW36A	P 1129	0.0	8.82	8.82	8.82		No bolts
IR09MW37A	P 1103	0.0	9.85	9.85	9.85		
IR09MW38A	P 1055	0.0	9.24	9.24	9.24		
IR09MW39A	P 1058	0.0	8.21	8.21	8.21		
IR09MW44A	P 1132	0.0	7.68	7.68	7.68		
IR09MW45F	P 1039	~~1054~~ 0.0	8.02	8.02	8.02		
IR09MW51F	P 1043	0.0	7.94	7.94	7.94		
IR09MW52A	P 1106	0.0	10.35	10.34	10.34		
IR09MW54B	P 1049	0.0	9.35	9.35	9.35		
IR09MW55B	P 1126	0.0	8.38	8.38	8.38		
IR09MW62A	P 1111	0.0	9.53	9.53	9.53		
IR09MW63A	P 1046	0.0	7.53	7.53	7.53		
IR33MW116A	P 1154	0.0	8.40	8.40	8.40		No bolts
IR33MW121B	P 1141	0.0	4.46	4.46	4.46		
IR36MW16A	P 1135	0.0	7.22	7.22	7.22		
IR44MW08A	P 1142	0.0	6.01	6.01	6.01		broken lid
PA50MW06A	P 1147	0.0	6.32	6.32	6.32		
PA50MW12A	P 1120	0.0	9.31	9.24	9.30		

Field Team Signature(s): Stephen B. Quayle

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 15 **Event Date:** 8/16/06
Field Team Personnel: Rolando R. Perez
Water Level Indicator Model and ID# Heron Dipper-T ; R7169 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
IR02MW146A	Do Not Attempt						free product JRC 16 Aug 06
IR02MW173A	Do Not Attempt						free product JRC 16 Aug 06
IR02MW97A	11:02	0.0	8.81	8.81	8.81		good
IR02P97AA	11:10	0.0	6.56	6.56	6.56		good
~~IR02P97AB~~	- Decommissioned						JRC 16 Aug 06
IR03MW218A1	Do Not Attempt						free product JRC 16 Aug 06
IR03MW218A2	10:~~15~~30	0.0	11.~~38~~75	11.~~37~~75	11.~~38~~75		~~Free Product~~ NAP
IR03MW218A3	10:15	0.0	11.38	11.37	11.38		Free Product ←
IR03MW224A	10:36	0.0	10.73	10.73	10.73		good
IR03MW225A	Do Not Attempt						free product JRC 16 Aug 06
IR03MW226A	Do Not Attempt						free product JRC 16 Aug 06
IR03MW228B	10:53	0.0	7.99	7.99	7.99		good
IR03MW342A	10:08	0.0	8.10	8.10	8.10		good
IR03MW369A	Do Not Attempt						free product JRC 16 Aug 06
IR03MW370A	Do Not Attempt						free product JRC 16 Aug 06
IR03MW371A	Do Not Attempt						free product JRC 16 Aug 06
~~IR03MW372A~~	- Decommissioned						JRC Aug 06
IR03MW373B	10:42	0.0	3.66	3.66	3.66		good
IR03MWO-1	Do Not Attempt						free product JRC 16 Aug 06
IR03MWO-2	Do Not Attempt						free product JRC 16 Aug 06
IR03MWO-3	Do Not Attempt						free product JRC 16 Aug 06

Field Team Signature(s): Rolando R. Perez

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: Roland R. Perez
Date: 8/16/06
Well ID: AREA 15

SAMPLING/WELL LOCATION INFORMATION:

GATE COMBINATION LOCK - UNABLE TO OPEN
ENTERED BY TRUCK PAST GATE

UNUSUAL EVENTS/PROBLEMS:

Free Product @ MW 218A3
Battery may need to be checked for R7169 (without inverter)

GENERAL COMMENTS:

Reviewed by: Patrick Watters
Date: 8/16/06

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 16

Field Team Personnel: Marcus Dibbs & Mehagan Hopkins

Water Level Indicator Model and ID# Envirotech LA3

Event Date: 8/16/06

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
IR02MW196A	1025	0.0	7.43	7.43	7.43		
IR02MW206A1	1015	0.0	6.74	6.74	6.74		
IR02MW206A2	— Top Of Casing is Damaged —						JRC 16 Aug 06
IR02MW209A	1018	0.0	5.68	5.68	5.68		
IR02MW210B	1048	0.0	9.03	9.03	9.03		
IR02MW299A	1051	0.0	10.49	10.49	10.49		
IR02MWB-5	1022	0.0	4.56	4.56	4.56		
IR11MW25A	Top of Casing is Damaged						8/16/06
IR11MW26A	1032	0.0	8.70	8.70	8.70		
IR11MW27A	1038	0.0	9.10	9.10	9.10		
IR14MW09A	1056	0.1	9.77	9.77	9.77		
IR14MW10A	1058	0.2	8.77	8.77	8.77		
IR15MW06A	1043	0.0	10.96	10.96	10.96		
IR15MW10F	1029	0.0	9.65	9.65	9.65		
IR38MW02A	1118	0.1	3.74	3.74	3.74		
IR38MW03A	1129	0.0	4.01	4.01	4.01		
PA39MW01A	1142	0.0	4.38	4.38	4.38		
PA39MW02A	1134	0.0	6.02	6.02	6.02		
IR13MW12A	1124	0.0	4.02	4.02	4.02		

Field Team Signature(s): Mehagan Hopkins

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 17

Field Team Personnel: JAMES ANDERSON BURNETT FORT'E

Water Level Indicator Model and ID# ENVIROTECH (KA 5)

MINI RAE KA-4

Event Date: ~~19 May~~ 2006 ga 8/16/06

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	1211	0.0PPM	9.21'	9.21'	9.21'		~~NOT~~ NO LOCK
IR13MWB5A-W	1016	0.0PPM	6.55'	6.55'	6.55'		
IR36MW122A	1146	3.0PPM*	8.58'	8.58'	8.58'		* IN CASING, NOT BREATHING ZONE, NO COVER BOLTS
IR36MW123B	1152	0.0PPM	4.35'	4.35'	4.35'		WELL COVER SHATTERED UNABLE TO OPEN LOCK — *
IR36MW128A	1119	0.4PPM*	8.97'	8.97'	8.97'		* IN CASING, NOT BREATHING ZONE
IR36MW129B	1127	1.5PPM*	4.84'	4.84'	4.84'		* IN CASING, NOT BREATHING ZONE
IR36MW17A	1200	0.1PPM*	8.92'	8.92'	8.92'		* IN CASING, NOT BREATHING ZONE
IR37MW01A	1207	8.1PPM*	8.37'	8.37'	8.37'		* IN CASING, NOT BREATHING ZONE
IR37MW26B	1219	8.1PPM*	6.64	6.64	6.64		* IN CASING, NOT BREATHING ZONE, WATER TIGHT CAP/LOCK NEEDED
IR38MW01A 1058	~~0958~~ ga	0.8PPM* ~~0.1PPM~~ ga	4.20' ga	4.20' ga	4.20' ga		* IN CASING, NOT BREATHING ZONE (W.L. -4.20' ga)
IR39MW21A	1020	0.0PPM	8.64'	8.64'	8.64'		
IR39MW22A	1027	0.0PPM	6.81'	6.81	6.81		
IR39MW23A	1010	0.0PPM	6.38'	6.38'	6.38'		
IR39MW24A	1037	2.2PPM*	5.58'	5.58'	5.58'		* IN CASING, NOT BREATHING ZONE.
IR39MW36A	1046	1.6PPM*	5.52'	5.52'	5.52'		* IN CASING, NOT BREATHING ZONE
IR67MW04A	1113	0.0PPM	7.04'	7.04'	7.04'		
PA36MW02A	1215	0.0PPM	9.05'	9.05'	9.05'		
PA36MW04A	~~1052~~ 1137 ga	~~4.6PPM~~ ~~0.0PPM~~ ga	~~5.92'~~ 8.23' ga	~~5.92'~~ 8.23' ga	~~5.92'~~ 8.23' ga		* 4.6PPM PEAK MEASURED IN CASING, NEW LOCK NEEDED *
~~PA36MW05A~~	- Decommissioned						~~JRC~~ 16 Aug 06
PA50MW09A	1052	0.0PPM	5.92'	5.92'	5.92'		

Field Team Signature(s): James Anderson [signature]

KLEINFELDER

ADDITIONAL FIELD NOTES

Hunters Point Shipyard - San Francisco, California

Personnel: JAMES ANDERSON
Date: 16 AUGUST 2006
Well ID:

SAMPLING/WELL LOCATION INFORMATION:

ALL WELLS EASILY LOCATED

UNUSUAL EVENTS/PROBLEMS:

THE TRAFFIC RATED COVER AT IR36MW123B IS SHATTERED
THE WATER TIGHT CAP & LOCK AT IR36MW26B HAVE BEEN
DAMAGED FROM TRAFFIC RUNNING OVER THE COVER.

GENERAL COMMENTS:

SEVERAL LOCKS ARE NEEDED AND ONE WAS MISSING AT
IR09MW161A, IR36MW123B, PA36MW104A & IR36MW26B

ALL PID READINGS WERE MEASURED IN THE WELL CASING, READ-
INGS DROPPED TO BACKGROUND IN BREATHING ZONE

Reviewed by:
Date:

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 18
Field Team Personnel: MARK SWANK
Water Level Indicator Model and ID# 13356 HERON

Event Date: 8/16/06

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	1120	0.0	10.96	10.96	10.96		
IR05MW73A	1112	0.0	6.46	6.46	6.46		
IR05MW85A	1110	0.0	10.39	10.39	10.39		
IR12MW16A	1106	0.0	8.93	8.93	8.93		
IR36MW09A	1037	0.0	5.71	5.71	5.71		
IR36MW11A	1052	0.0	9.03	9.03	9.03		
IR36MW120B	1024	0.0	3.84	3.84	3.84		
IR36MW121A	1028	0.0	7.90	7.90	7.90		
IR36MW125A	1034	0.0	7.17	7.17	7.17		
IR36MW126A	1038	0.0	5.55	5.55	5.55		NEEDS LOCK
IR36MW127A	1030	0.0	7.17	7.17	7.17		NEEDS LOCK
IR36MW12A	1048	0.0	7.67	7.67	7.67		
IR36MW135A	1115	0.0	8.35	8.35	8.35		
IR36MW137A	1056	0.0	DRY	DRY	DRY		
IR36MW14A	1043	0.0	6.29	6.29	6.29		
IR36MW15A	1017	0.0	8.07	8.07	8.07		
PA36MW01A	1103	0.0	8.68	8.68	8.68		
PA36MW07A	1059	0.0	7.17	7.17	7.17		
PA36MW08A	1053	0.0	8.15	8.15	8.15		
PA50MW10A	1015	0.0	10.57	10.57	10.57		NEEDS LOCK

Field Team Signature(s): Mark Swank

GROUNDWATER ELEVATION MEASUREMENT LOG
Hunters Point Shipyard - San Francisco, California

Field Team Number: 19 Event Date: 8/16/06
Field Team Personnel: RYAN PADGETT
Water Level Indicator Model and ID# HURON 13196 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
	IR01MW09B	11:07	0.0	6.49	6.49	6.49		
* GPT (5/18/06)	IR01MW~~366B~~ 07A	10:58	0.0	DRY				DRY
	IR01MW~~1-2~~ 10A	11:00	0.0	8.61	8.61	8.61		
	IR04MW13A	10:24	0.0	11.53	11.53	11.53		
	IR04MW36A	11:05	0.0	9.32	9.32	9.32		
	IR04MW37A	11:20	0.0	8.76	8.76	8.76		
	IR04MW38A	11:25	0.0	9.54	9.54	9.54		
	IR04MW40A	11:08	0.0	6.68	6.68	6.68		
	IR05MW76A	11:35	0.0	4.90	4.90	4.90		WATER IN BOX
RAD	IR05MW82A	10:32	0.0	11.53	11.53	11.53		
	IR12MW12A	10:08	0.0	5.83	5.83	5.83		
	IR12MW13A	10:22	0.0	11.86	11.86	11.86		
RAD	IR12MW14A	10:38	0.0	8.15	8.15	8.15		
	IR12MW15A	10:45	0.0	7.70	7.70	7.70		
RAD	IR12MW17A							BURIED,
RAD	IR12MW20A	10:14	0.0	11.65	11.65	11.65		
	IR12MW21A	10:50	5.2	FREE	PRODUCT	(MOTOR OIL)		FREE PRODUCT
RAD	IR13MW12A							NOT WHERE LOCATED ON PLAN, COULDN'T FIND
	IR72MW32A	11:15	0.1	9.23	9.23	9.23		
	IR74MW01A	12:30	0.0	12.32	12.32	12.32		

Field Team Signature(s): Ryan Padgett

* Well IR01MW07A was dry in 2/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: RYAN PROBETT
Date: 8/16/06
Well ID:

SAMPLING/WELL LOCATION INFORMATION:
COULD NOT LOCATE 1R13MW12A.

UNUSUAL EVENTS/PROBLEMS:
1R12MW21A FILLED W/ MOTOR OIL

GENERAL COMMENTS:

Reviewed by:
Date:

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 20 Event Date: 8/16/06

Field Team Personnel: ALVARO DOMINGUEZ

Water Level Indicator Model and ID# ENVIROTECH KD4 #13961 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
IR02MW101A1	1138	⊖	11.16	11.16	11.16		
IR02MW101A2	1135	⊖	11.28	11.28	11.28		
IR02MW114A1	1020	⊖	6.96	6.96	9.96		Covered w/Hay - Removed
IR02MW114A2							Not found -
IR02MW114A3	1050	⊖	8.00	8.00	8.00		Covered w/Hay - Removed
IR02MW126A	1010	⊖	8.78	8.78	8.78		
~~IR02MW127B~~	Decommissioned						JRC 16 Aug 06
IR02MW147A	1130	⊖	5.62	5.62	5.62		
IR02MW149A	1020	⊖	5.38	5.38	5.38		
IR02MW298A	1035	⊖	6.66	6.66	6.66		
~~IR02MW372A~~	Decommissioned						JRC 16 Aug 06
IR02MW373A	1042	⊖	8.64 ~~7.23~~	8.64	8.64		
IR02MW93A	1145	⊖	7.56	7.56	7.56		Plate Damaged / Scraped off
IR02MWB-1	1125	⊖	5.50	5.50	5.50		
IR02MWB-2	1112	⊖	8.84	8.84	8.84		
~~IR02MWB-3~~	Decommissioned						JRC 16 Aug 06
~~IR02MWC5-W~~	Decommissioned						JRC 16 Aug 06
IR39MW33A	1150	⊖	4.68	4.68	4.68		

Field Team Signature(s): Alvaro Dominguez

GROUNDWATER ELEVATION MEASUREMENT LOG

Hunters Point Shipyard - San Francisco, California

Field Team Number: 21

Field Team Personnel: Jeff Gravesen

Water Level Indicator Model and ID#: Heron

Event Date: 8/16/06

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	1147	0.0	17.21	17.21	17.21		
IR01MW~~07A~~ 366B	1116	0.0	12.34	12.34	12.34		
IR01MW~~10A~~ I-2	~~1120~~ 1215	0.0	11.97	11.97	11.97	~~3.35~~ JRC 8/16	~~Dry~~ JRC 8/16
IR01MW11A	1136	0.0	12.82	12.82	12.82		
IR01MW12A	1131	0.0	13.12	13.12	13.12		
IR01MW18A	1204	0.0	18.30	18.30	18.30		
IR01MW26B	~~1218~~ 1213 JRC 8/16	0.0	~~11.95~~ 18.95 JRC 8/16	~~8.44~~ 18.95 JRC 8/16	18.95		
IR01MW366A	1119	0.0	15.16	15.16	15.16		
IR01MW367A	1126	0.0				3.35	Dry
IR01MW38A	1207	0.0	12.22	12.22	12.22		
IR01MW42A	1109	0.0	9.14	9.14	9.14		
~~IR01MW43A~~	Decommissioned						JRC 16 Aug 06
~~IR01MW44A~~	Decommissioned						JRC 16 Aug 06
~~IR01MW47B~~	Decommissioned						JRC 16 Aug 06
~~IR01MWI-3~~	Decommissioned						JRC 16 Aug 06
IR01MWI-5	1210	~~19.02~~ 0.0	19.02	19.02	19.02		
IR01MWLF4A							Pedestal bent; lid broken of pedestal cap off well TOC covered with plastic bag & soil
IR01MWLF4B	1051	0.0	9.91	9.91	9.91		
IR04MW31A							Covered w/soil & bales of hay
IR12MW11A							Covered w/soil pile
IR72MW33A	1235	0.0	8.70	8.70	8.70		

Field Team Signature(s): [signature]

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 R7176

Event Date: 8/16/06

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: methane	oxy	
IR01MW02B	1208	0.0	14.74	14.74	14.74		0.0	20.9	Cap will Not tighten on well casing
IR01MW03A	1205	0.0	14.03	14.03	14.03		0.0	20.9	
IR01MW16A	1151	0.0	19.19	19.19	19.19		0.0	20.8	
IR01MW17B	1154	0.0	24.13	24.13	24.13		0.0	20.9	
IR01MW31A	1130	0.0	8.64	8.64	8.64		0.0	20.9	
IR01MW400A	1030	0.0	9.14	9.14	9.14		0.0	20.9	No lock on well slip cap No locking Tab
IR01MW402A	1025	0.0	8.82	8.82	8.82		0.0	20.8	
IR01MW403A	1015	0.0	7.74	7.74	7.74		0.0	20.8	
IR01MW403B	1210	0.0	4.46	4.46	4.46		0.0	20.8	
IR01MW48A	1140	0.0	8.46	8.46	8.46		0.0	20.8	
IR01MW53B	1138	0.0	4.95	4.95	4.95		0.0	20.8	
IR01MW58A	Do not Attempt, Damaged well								
IR01MW62A	1113	0.0	5.67	5.67	5.67		0.0	20.9	
IR01MWI-7	1100	0.0	3.04	3.04	3.04		0.0	20.9	
IR01MWI-8	1109	0.0	4.67	4.67	4.67		0.0	20.9	
IR01MWI-9	1121	0.0	5.35	5.35	5.35		0.0	20.9	
IR01MWLF1A	1134	0.0	15.54	15.54	15.54		0.0	20.9	
IR01MWLF2A	1200	0.0	13.81	13.81	13.81		0.0	20.9	
IR75MW05B	1008	0.0	8.45	8.45	8.45		0.0	20.9	
IR76MW13A	1225	0.0	14.24	14.24	14.24		0.0	20.8	

Field Team Signature(s): Jeffrey D. Sala

Immiscible Layer (free product) Measurement

Hunters Point Shipyard, San Francisco, California #01-0927

Event Date: 8/16/06 **Field Team Personnel:** Dan Eldredge, John Copland **Page** 1 **of** 1

Interface Probe Manufacturer: HERON **Model:** H.01L **Serial Number:** #01-1841
Photoionization Detector (PID) Manufacturer: MiniRAE **Model:** 2000 **Serial Number:** —
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)	—	1310								
	IR25MW54A	4	~~[illegible]~~	—	7.86	NONE	—	16.54	NONE	smelly area	3.2
	IR25MW902B	4	1301	—	8.65	NONE	—	28.19	NONE	smelly area	21.0
	Parcel E										
18	IR02MW146A	15	1:07	10.67	15.29	4.62					1.8
19	IR02MW173A	15	11:33	10.01	12.35	2.34					8.0
14.5	IR03MW218A1	15	12:28	N/A N.D.P	10.99	N/A N.D.P					0
19	IR03MW225A	15	1:03	11.65	15.25	3.60					4.8
19	IR03MW226A	15	12:07	11.10	11.18	0.08					1.0
20	IR03MW369A	15	11:42	8.85/9.01	9.10/11.65	0.25/2.64	Second	reading	in 4" dia	Casing	4.5
21.5	IR03MW370A	15	12:31	9.96	19.85	9.89					0
21.5	IR03MW371A	15	12:42	N/A N.D.P	10.89	N/A N.D.P				—	1.8
17.5	IR03MWO-1	15	12:21	N/A N.D.P	11.36	N/A N.D.P	~~N/A N.D.P~~				5.4
20 20.5	IR03MWO-2	15	11:54	11.10	13.0	1.90					1.2
19	IR03MWO-3	15	12:54	10.20	13.0	~~3.20~~ 2.80					3.3
20	IR12MW21A	19	10:57	9.90	9.95	0.05	N/A N.D.P.	22.14	NONE		2.0
13	IR39MW21A	17	10:39 AM	7.71	7.72	0.01	N/A N.D.P.	15.20	NONE		0
21	PA36MW08A	7	10:44	8.14	8.15	0.01	N/A N.D.P.	21.15	NONE		0

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

ON MAP < IR39MW33A 11:16 N/A 4.69

Field Team Signatures(s): Dan Eldredge John R. Copland

N.D.P. = Not detected product = Ø

Immiscible Layer Form
JRC 8/10/2006

Immiscible Layer (free product) Measurement at IR-03

Hunters Point Shipyard, San Francisco, California

Event Date: 13 SEPT Ø6 **Field Team Personnel:** John Copland **Page** 1 **of** 1

Interface Probe Manufacturer: HERON **Model:** HØIL/SMØIL **Serial Number:** #01-0927
Photoionization Detector (PID) Manufacturer: N/A **Model:** _____ **Serial Number:** _____
Other Equipment: N/A

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)	Comments
IR02MW146A	1221	11.10	15.39	4.29	—	22.62	Ø	oily
IR02MW173A	1231	10.09	12.00	1.91	—	21.30	Ø	oily
IR03MW218A1	1032	—	11.33	Ø	—	14.62	Ø	dark silt on tip
IR03MW225A	1209	11.50	15.60	4.10	—	23.48	Ø	oil sampled yesterday
IR03MW226A	1059	11.29	11.40	0.11	—	23.85	Ø	oily
IR03MW369A	1238	9.08	11.22	2.14	—	22.60	Ø	soft bottom
IR03MW370A	1155	10.25	14.65	4.40	—	22.42	Ø	oily
IR03MW371A	1039	—	10.80	Ø	—	27.08	Ø	sludgey sidewall -soft
IR03MWO-1	1052	—	11.51	Ø	—	22.36	Ø	sludgy sidewall-soft bottom
IR03MWO-2	1125	10.98	11.09	0.11	—	22.11	Ø	oily
IR03MWO-3	1142	11.00	13.70	2.70	—	18.95	Ø	oily

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

Immiscible Layer Form Ver3
JRC 9/15/2006

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Appendix B.
Groundwater Elevation Data

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Appendix B. Groundwater elevation data (August 16, 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	14.74	5.87	1208	
IR01MW03A	NNP	A	19.89	14.03	5.86	1205	
IR01MW05A	NNP	A	22.56	17.21	5.35	1147	
IR01MW07A	E-2	D	D	NM	NM	NM	Decommissioned
IR01MW09B	E-2	B	10.05	6.49	3.56	1107	
IR01MW10A	E-2	A	13.75	8.61	5.14	1100	
IR01MW11A	E-2	A	17.96	12.82	5.14	1136	
IR01MW12A	E-2	A	18.25	13.12	5.13	1131	
IR01MW16A	E-2	A	24.66	19.19	5.47	1151	
IR01MW17B	E-2	B	29.55	24.13	5.42	1154	
IR01MW18A	E-2	A	23.61	18.30	5.31	1204	
IR01MW26B	E-2	B	24.02	18.95	5.07	1213	
IR01MW31A	E-2	A	13.81	8.64	5.17	1130	
IR01MW366A	E-2	A	17.31	15.16	2.15	1119	
IR01MW366B	E-2	B	16.57	12.34	4.23	1116	
IR01MW367A	E-2	A	12.12	NM	NM	NM	Obstructed
IR01MW38A	E-2	A	17.37	12.22	5.15	1207	
IR01MW400A	NNP	A	11.58	9.14	2.44	1030	
IR01MW402A	NNP	A	12.51	8.82	3.69	1025	
IR01MW403A	NNP	A	13.00	7.74	5.26	1015	
IR01MW403B	E-2	B	10.43	4.46	5.97	1210	
IR01MW42A	E-2	A	13.28	9.14	4.14	1109	
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	8.46	2.50	1140	
IR01MW53B	E-2	B	10.01	4.95	5.06	1138	
IR01MW58A	E-2	A	9.19	NM	NM	NM	Damaged
IR01MW62A	E-2	A	7.91	5.67	2.24	1113	
IR01MWI-2	E-2	A	13.22	11.97	1.25	1218	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR01MWI-3	E-2	D	D	NM	NM	NM	Decommissioned
IR01MWI-5	E-2	A	24.51	19.02	5.49	1210	
IR01MWI-7	E-2	A	5.81	3.04	2.77	1100	
IR01MWI-8	E-2	A	6.64	4.67	1.97	1109	
IR01MWI-9	E-2	A	8.04	5.35	2.69	1121	
IR01MWLF1A	E-2	A	20.8	15.54	5.26	1134	
IR01MWLF2A	E-2	A	19.52	13.81	5.71	1200	
IR01MWLF4A	E-2	A	14.88	NM	NM	NM	Inaccessible
IR01MWLF4B	E-2	B	14.40	9.91	4.49	1051	
IR02MW101A1	E	A	11.23	11.16	0.07	1138	
IR02MW101A2	E	A2	11.22	11.28	-0.06	1135	
IR02MW114A1	E	A	13.63	7.96	5.67	1020	
IR02MW114A2	E	A2	12.43	NM	NM	NM	Inaccessible
IR02MW114A3	E	A3	13.29	8.00	5.29	1050	
IR02MW126A	E	A	11.36	8.78	2.58	1010	
IR02MW127B	E	D	D	NM	NM	NM	Decommissioned
IR02MW146A	E	A	11.30	NM	NM	NM	NAPL
IR02MW147A	E	A	8.36	5.62	2.74	1130	
IR02MW149A	E	A	8.72	5.38	3.34	1020	
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	8.81	1.01	1122	
IR02MW183A	E	A	10.40	NM	NM	NM	Inaccessible
IR02MW196A	E	A	8.05	7.43	0.62	1025	
IR02MW206A1	E	A	7.43	6.74	0.69	1015	
IR02MW206A2	E	A2	7.41	NM	NM	NM	Damaged
IR02MW209A	E	A	6.34	5.68	0.66	1018	
IR02MW210B	E	B	9.17	9.03	0.14	1048	
IR02MW298A	E	A	11.79	6.66	5.13	1035	
IR02MW299A	E	A	10.56	10.49	0.07	1051	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR02MW300A	E	D	9.00	NM	NM	NM	Buried by landfill cover
IR02MW372A	E	D	D	NM	NM	NM	Decommissioned
IR02MW373A	E	A	11.34	8.64	2.70	1042	
IR02MW89A	E	A	10.08	10.96	-0.88	1120	
IR02MW93A	E	A	7.25	7.56	-0.31	1145	
IR02MW97A	E	A	8.95	8.81	0.14	1102	
IR02MWB-1	E	A	8.46	5.50	2.96	1125	
IR02MWB-2	E	A	11.88	8.84	3.04	1112	
IR02MWB-3	E	D	D	NM	NM	NM	Decommissioned
IR02MWB-5	E	A	4.74	4.56	0.18	1022	
IR02MWC5-W	E	A	7.49	NM	NM	NM	Inaccessible (buried)
IR02P97AA	E	A2	7.09	6.56	0.53	1110	
IR02P97AB	E	D	D	NM	NM	NM	Decommissioned
IR03MW218A1	E	A	11.92	10.99	0.93	1228	
IR03MW218A2	E	A	12.26	11.75	0.51	1030	
IR03MW218A3	E	A	12.00	11.38	0.62	1015	
IR03MW224A	E	A	10.92	10.73	0.19	1036	
IR03MW225A	E	A	12.27	NM	NM	NM	NAPL
IR03MW226A	E	A	11.81	NM	NM	NM	NAPL
IR03MW228B	E	B	12.12	7.99	4.13	1053	
IR03MW342A	E	A	8.48	8.10	0.38	1008	
IR03MW369A	E	A	10.01	NM	NM	NM	NAPL
IR03MW370A	E	A	11.19	NM	NM	NM	NAPL
IR03MW371A	E	A	12.48	10.89	1.59	1242	
IR03MW372A	E	D	8.18	NM	NM	NM	Inaccessible
IR03MW373B	E	B	7.87	3.66	4.21	1042	
IR03MWO-1	E	A	11.92	11.36	0.56	1221	
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	11.53	1.02	1024	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR04MW31A	E-2	A	12.53	NM	NM	NM	Inaccessible
IR04MW36A	E-2	A	9.84	9.32	0.52	1105	
IR04MW37A	E	A	9.54	8.76	0.78	1120	
IR04MW38A	E	A	9.76	9.54	0.22	1125	
IR04MW40A	E	A	7.16	6.68	0.48	1108	
IR05MW73A	E	A	6.59	6.46	0.13	1112	
IR05MW76A	E	A	4.97	4.90	0.07	1135	
IR05MW82A	E	A	12.00	11.53	0.47	1032	
IR05MW85A	E	A	9.80	10.39	-0.59	1110	
IR06MW22A	C	A	10.00	5.56	4.44	1054	
IR06MW32A	C	A	9.90	5.65	4.25	1050	
IR06MW34A	C	A	10.37	9.27	1.10	1043	
IR06MW35A	C	A	9.73	5.35	4.38	1057	
IR06MW40A	C	A	10.08	7.88	2.20	1040	
IR06MW41A	C	A	9.78	7.92	1.86	1045	
IR06MW42A	C*	A	11.89	10.70	1.19	1046	
IR06MW44A	C	A	9.81	NM	NM	NM	Inaccessible
IR06MW45A	C*	D	D	NM	NM	NM	Decommissioned
IR06MW46A	B	A	9.46	5.58	3.88	1146	
IR06MW47F	C	A	9.66	7.33	2.33	1043	
IR06MW49F	C	A	11.49	8.63	2.86	1047	
IR06MW50F	C	D	D	NM	NM	NM	Decommissioned
IR06MW52F	C	A	9.70	5.35	4.35	1056	
IR06MW54F	C	A	35.02	23.33	11.69	1201	
IR06MW55F	C	A	32.34	23.10	9.24	1158	
IR06MW56F	C	A	25.04	18.53	6.51	1154	
IR06MW57F	C	A	28.02	15.31	12.71	1335	
IR06MW58F	C	D	D	NM	NM	NM	Decommissioned
IR06MW59A1	C	A	9.46	5.34	4.12	1059	
IR07MW19A	B	A	9.56	7.51	2.05	1037	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR07MW20A1	B	A	9.26	8.23	1.03	1029	
IR07MW21A1	B	A	13.89	14.02	-0.13	1005	
IR07MW23A	B	A	15.76	13.35	2.41	1018	
IR07MW24A	B	A	16.26	11.34	4.92	1009	
IR07MW25A	B	A	12.67	10.35	2.32	1012	
IR07MW26A	B	A	14.50	11.94	2.56	1000	
IR07MW27A	B	A	16.15	NM	NM	NM	Inaccessible
IR07MW28A	NNP	A	12.03	8.45	3.58	1053	
IR07MW93A	B	A	19.53	NM	NM	NM	Inaccessible
IR07MW94A	B	A	15.15	NM	NM	NM	Inaccessible
IR07MW95A	NNP	A	16.60	14.04	2.56	1053	
IR07MWS-2	B	A	12.71	9.84	2.87	1024	
IR07MWS-3	B	D	D	NM	NM	NM	Decommissioned
IR07MWS-4	B	A	16.78	14.63	2.15	1002	
IR08MW38A	E	A	6.82	6.33	0.49	1042	
IR08MW40A	E	A	5.41	5.02	0.39	1048	
IR08MW44A	E	A	5.94	5.43	0.51	1038	
IR08MWW-6	D	A	4.88	4.61	0.27	1053	
IR09MW31A	D	A	8.42	8.82	-0.40	1052	
IR09MW35A	D	A	8.71	7.72	0.99	1124	
IR09MW36A	D	A	8.87	8.82	0.05	1129	
IR09MW37A	D	A	9.15	9.85	-0.70	1103	
IR09MW38A	D	A	9.02	9.24	-0.22	1055	
IR09MW39A	D	A	8.18	8.21	-0.03	1058	
IR09MW44A	D	A	8.78	7.68	1.10	1132	
IR09MW45F	D	A	8.46	8.02	0.44	1039	
IR09MW51F	D	A	8.64	7.94	0.70	1043	
IR09MW52A	D	A	9.59	10.34	-0.75	1106	
IR09MW54B	D	B	9.26	9.35	-0.09	1049	
IR09MW55B	D	B	9.07	8.38	0.69	1126	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR09MW61A	D	A	8.49	9.21	-0.72	1211	
IR09MW62A	D	A	8.50	9.53	-1.03	1111	
IR09MW63A	D	A	8.66	7.53	1.13	1046	
IR10MW12A	B	D	D	NM	NM	NM	Decommissioned
IR10MW13A1	B	A	9.92	7.01	2.91	1037	
IR10MW14A	B	A	10.23	7.75	2.48	1139	
IR10MW28A	B	A	13.57	10.12	3.45	1118	
IR10MW29A1	B	A	9.15	5.84	3.31	1016	
IR10MW31A1	B	A	10.34	9.05	1.29	1045	
IR10MW32A	B	A	9.77	6.89	2.88	1049	
IR10MW33A	B	A	10.17	7.05	3.12	1041	
IR10MW59A	B	A	13.79	10.39	3.40	1115	
IR10MW61A	B	A	10.05	7.06	2.99	1039	
IR10MW79A	B	A	10.11	7.00	3.11	1027	
IR10MW80A	B	A	9.67	6.55	3.12	1023	
IR11MW25A	E	A	11.40	NM	NM	NM	Damaged
IR11MW26A	E	A	9.33	8.70	0.63	1032	
IR11MW27A	E	A	9.88	9.10	0.78	1038	
IR12MW11A	E-2	A	11.68	NM	NM	NM	Temporary riser
IR12MW12A	E	A	8.40	8.83	-0.43	1008	
IR12MW13A	E	A	12.52	11.86	0.66	1022	
IR12MW14A	E	A	9.23	8.15	1.08	1038	
IR12MW15A	E	A	7.28	7.70	-0.42	1045	
IR12MW16A	E	A	8.57	8.93	-0.36	1106	
IR12MW17A	E	A	12.46	NM	NM	NM	Temporary riser
IR12MW20A	E	A	12.27	11.65	0.62	1019	
IR12MW21A	E	A	10.42	NM	NM	NM	NAPL
IR13MW12A	E	A	4.12	4.02	0.10	1124	
IR13MWB5A-W	E	A	5.93	6.55	-0.62	1016	
IR14MW09A	E	A	9.93	9.77	0.16	1056	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR14MW10A	E	A	8.89	8.77	0.12	1058	
IR14MW12A	E	A	8.52	8.35	0.17	1032	
IR15MW06A	E	A	11.11	10.96	0.15	1043	
IR15MW07A	E	A	11.18	10.96	0.22	1205	
IR15MW10F	E	F	10.98	9.65	1.33	1029	
IR17MW11A	D	A	7.85	6.31	1.54	1106	
IR17MW12A	D	A	7.72	6.09	1.63	1103	
IR17MW13A	D	A	6.98	5.31	1.67	1059	
IR18MW100B	B	B	17.94	NM	NM	NM	Inaccessible
IR18MW101B	B	B	18.89	NM	NM	NM	Inaccessible
IR18MW200A	NNP	A	26.96	23.90	3.06	1059	
IR18MW21A	B	A	17.56	NM	NM	NM	Inaccessible
IR18MW91A	NNP	A	18.75	15.09	3.66	1059	
IR18MW92A	B	A	20.70	NM	NM	NM	Inaccessible
IR20MW17A	B	A	10.51	7.22	3.29	1313	
IR22MW07A	D	A	7.74	6.73	1.01	1201	
IR22MW08A	D	A	8.77	7.46	1.31	1231	
IR22MW15A	D	A	10.83	9.66	1.17	1240	
IR22MW16A	D	A	7.86	6.71	1.15	1155	
IR22MW20A	D	A	7.84	6.57	1.27	1205	
IR24MW06A	B	A	10.25	9.00	1.25	1221	
IR25EW01A	B	A	10.81	7.55	3.26	1253	
IR25MW11A	C	A	10.45	7.31	3.14	1244	
IR25MW16A	C	A	11.02	9.14	1.88	1249	
IR25MW17A	C*	A	10.31	6.83	3.48	1326	
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	A	10.21	NM	NM	NM	Inaccessible
IR25MW38B	C	B	10.44	7.92	2.52	1320	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR25MW39A	C	A	11.21	8.00	3.21	1245	
IR25MW39B	C	B	11.25	9.15	2.10	1247	
IR25MW42B	C	B	10.01	NM	NM	NM	Inaccessible
IR25MW50A	C	A	10.02	6.64	3.38	1321	
IR25MW53A	C	A	11.07	7.67	3.40	1242	
IR25MW54A	C	A	11.12	7.86	3.26	1243	
IR25MW55A	C	A	10.39	7.32	3.07	1254	
IR25MW60A1	C	A	9.57	NM	NM	NM	Inaccessible
IR25MW60A2	C	D	D	NM	NM	NM	Decommissioned
IR25MW61A1	B*	A	9.56	6.41	3.15	1311	
IR25MW61A2	B*	A2	9.67	6.55	3.12	1312	
IR25MW900B	C	B	11.02	8.66	2.36	1239	
IR25MW901B	C	B	10.98	8.65	2.33	1241	
IR25MW902B	C	B	11.02	8.65	2.37	1237	
IR26MW40A	B	A	9.89	8.40	1.49	1211	
IR26MW41A	B	A	10.15	7.18	2.97	1214	
IR26MW43A	B	A	7.09	6.09	1.00	1201	
IR26MW44A	B	A	8.25	7.12	1.13	1153	
IR26MW46A	B	A	8.08	6.40	1.68	1125	
IR26MW47A	B	A	7.75	6.95	0.80	1120	
IR26MW48A	B	A	8.13	6.76	1.37	1102	
IR26MW49A	B	A	7.99	7.20	0.79	1110	
IR26MW50A	B	A	7.42	6.28	1.14	1114	
IR28MW122A	C	A	7.48	6.48	1.00	1102	
IR28MW123A	C	A	8.09	6.87	1.22	1040	
IR28MW125A	C	A	7.74	6.18	1.56	1153	
IR28MW126A	C	A	7.76	5.98	1.78	1158	
IR28MW127A	C	A	7.63	5.74	1.89	1211	
IR28MW136A	C	A	7.55	5.88	1.67	1135	
IR28MW140F	C	F	7.66	6.34	1.32	1107	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR28MW150A	C	A	7.87	6.94	0.93	1108	
IR28MW151A	C	A	8.57	6.65	1.92	1043	
IR28MW155A	C	A	8.57	7.10	1.47	1158	
IR28MW169A	C	A	9.69	7.71	1.98	1143	
IR28MW170A	C	A	8.76	6.89	1.87	1047	
IR28MW171A	C	A	6.67	5.63	1.04	1123	
IR28MW171B	C	B	7.19	5.84	1.35	1125	
IR28MW172F	C	F	8.57	6.13	2.44	1130	
IR28MW173B	C	B	8.06	6.14	1.92	1150	
IR28MW188F	C	A	9.64	7.57	2.07	1056	
IR28MW189F	C	A	8.87	6.11	2.76	1033	
IR28MW190F	C	A	10.06	7.89	2.17	1202	
IR28MW200A	C	A	8.28	7.06	1.22	1032	
IR28MW201F	C	F	8.04	6.85	1.19	1027	
IR28MW216F	C	A	8.38	5.92	2.46	1115	
IR28MW217A	C	A	8.98	6.60	2.38	1122	
IR28MW221A	C	A	9.56	7.54	2.02	1134	
IR28MW221B	C	B	9.58	7.61	1.97	1138	
IR28MW255F	C	F	7.83	6.40	1.43	1213	
IR28MW268A	C	A	7.90	6.01	1.89	1205	
IR28MW271A	C	A	7.06	6.02	1.04	1034	
IR28MW272A	C	A	7.85	6.75	1.10	1022	
IR28MW272F	C	A	8.19	6.63	1.56	1015	
IR28MW286A	C	A	9.81	7.58	2.23	1138	
IR28MW287A	C	A	9.31	6.65	2.66	1123	
IR28MW290A	C	D	D	NM	NM	NM	Decommissioned
IR28MW297A	C	A	7.68	6.45	1.23	1015	
IR28MW298A	C	A	8.04	6.93	1.11	1009	
IR28MW299B	C	B	9.60	7.14	2.46	1158	
IR28MW308A	C	A	7.63	5.51	2.12	1143	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR28MW309B	C	B	9.06	7.09	1.97	1130	
IR28MW310F	C	F	7.62	5.50	2.12	1047	
IR28MW311A	C	A	8.02	4.91	3.11	1049	
IR28MW311A-R1	C	A	7.90	4.97	2.93	1045	
IR28MW313F	C	B	12.17	9.76	2.41	1100	
IR28MW314B	C	B	8.68	7.03	1.65	1127	
IR28MW315A	C	A	8.84	6.41	2.43	1055	
IR28MW315B	C	B	9.03	6.37	2.66	1056	
IR28MW315F	C	F	8.97	6.47	2.50	1058	
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	7.14	1.64	1123	
IR28MW338A	C	A	8.83	7.02	1.81	1118	
IR28MW339A	C	A	8.47	6.67	1.80	1051	
IR28MW340A	C	A	8.65	6.86	1.79	1055	
IR28MW342F	C	A	8.86	6.75	2.11	1107	
IR28MW350F	C	A	9.83	7.60	2.23	1102	
IR28MW351F	C	A	9.00	6.98	2.02	1110	
IR28MW352A	C	A	8.05	5.97	2.08	1041	
IR28MW353A	C	A	8.19	6.74	1.45	1115	
IR28MW353B	C	B	7.33	5.60	1.73	1117	
IR28MW354B	C	B	8.19	6.32	1.87	1147	
IR28MW394A	C	A	9.26	6.65	2.61	1030	
IR28MW394B	C	B	9.02	7.25	1.77	1027	
IR28MW395F	C	F	9.12	6.67	2.45	1120	
IR28MW396A	C	A	8.99	6.97	2.02	1136	
IR28MW396B	C	B	9.09	6.89	2.20	1133	
IR28MW397A	C	A	9.13	6.54	2.59	1131	
IR28MW397B	C	B	9.37	6.96	2.41	1128	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR28MW398A	C	A	9.33	7.12	2.21	1149	
IR28MW398B	C	B	8.92	6.56	2.36	1147	
IR28MW399B	C	B	7.82	6.98	0.84	1045	
IR28MW400B	C	B	8.88	7.24	1.64	1050	
IR28MW401B	C	B	8.58	6.86	1.72	1140	
IR28MW910A	C	A	8.93	6.38	2.55	1047	
IR28MW914A	C	A	9.45	6.89	2.56	1050	
IR28MW932F	C	A	8.87	6.79	2.08	1105	
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	7.05	0.99	1138	
IR29MW57A	C	D	D	NM	NM	NM	Decommissioned
IR29MW58F	C	A	8.54	7.00	1.54	1141	
IR29MW84A	C	A	8.09	6.97	1.12	1134	
IR29MW85F	C	A	9.66	5.41	4.25	1146	
IR30MW01F	C	A	8.92	1.73	7.19	1155	
IR30MW03F	C	F	8.89	NM	NM	NM	Inaccessible
IR30MW04F	C	A	8.96	5.11	3.85	1210	
IR33MW116A	D	A	8.38	8.40	-0.02	1154	
IR33MW120B	D	B	9.45	6.98	2.47	1225	
IR33MW121B	D	B	7.20	4.46	2.74	1141	
IR33MW61A	D	A	12.26	11.65	0.61	1024	
IR33MW62A	D	A	8.21	7.76	0.45	1033	
IR33MW63A	D	A	7.80	6.95	0.85	1218	
IR33MW64A	D	A	9.30	8.84	0.46	1021	
IR33MW65A	D	A	8.32	7.90	0.42	1015	
IR33MW66A	D	A	8.91	8.33	0.58	1018	
IR34MW01A	D	A	8.62	8.06	0.56	1200	
IR34MW02A	D	A	8.03	7.63	0.40	1141	
IR34MW36A	D	A	8.80	8.15	0.65	1208	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR34MW36B	D	B	9.23	8.8	0.43	1204	
IR34MW37A	D	A	8.78	7.86	0.92	1150	
IR34MW37B	D	B	8.60	7.93	0.67	1152	
IR35MW01A	D	A	8.85	7.65	1.20	1248	
IR36MW09A	E	A2	5.00	5.71	-0.71	1037	
IR36MW11A	E	A	8.55	9.03	-0.48	1052	
IR36MW120B	E	B	7.05	3.84	3.21	1024	
IR36MW121A	E	A	6.96	7.90	-0.94	1028	
IR36MW122A	E	A	7.64	8.58	-0.94	1146	
IR36MW123B	E	B	7.55	4.35	3.20	1152	
IR36MW125A	E	A2	6.55	7.17	-0.62	1034	
IR36MW126A	E	A2	5.16	5.55	-0.39	1038	
IR36MW127A	E	A2	6.45	7.17	-0.72	1030	
IR36MW128A	E	A	8.01	8.97	-0.96	1119	
IR36MW129B	E	B	7.80	4.84	2.96	1127	
IR36MW12A	E	A	7.18	7.67	-0.49	1048	
IR36MW135A	E	A	7.85	8.35	-0.50	1115	
IR36MW137A	E	A	7.76	NM	NM	NM	Dry
IR36MW14A	E	A	5.52	6.29	-0.77	1043	
IR36MW15A	E	A	7.04	8.07	-1.03	1017	
IR36MW16A	D	A	8.26	7.22	1.04	1135	
IR36MW17A	E	A	8.36	8.92	-0.56	1200	
IR37MW01A	D	A	7.59	8.37	-0.78	1207	
IR37MW26B	D	B	8.14	6.64	1.50	1219	
IR38MW01A	D	A	4.28	4.20	0.08	1058	
IR38MW02A	D	A	2.88	3.74	-0.86	1118	
IR38MW03A	D	A	4.00	4.01	-0.01	1129	
IR39MW21A	E	A	7.92	8.64	-0.72	1020	
IR39MW22A	E	A	6.34	6.81	-0.47	1027	
IR39MW23A	E	A	5.61	6.38	-0.77	1010	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR39MW24A	E	A	4.80	5.58	-0.78	1037	
IR39MW33A	E	A	4.31	4.68	-0.37	1150	
IR39MW36A	E	A	4.66	5.52	-0.86	1046	
IR44MW08A	D	A	7.24	6.01	1.23	1142	
IR46MW37A	B	A	9.58	7.02	2.56	1335	
IR46MW38A	B	A	9.78	8.39	1.39	1030	
IR46MW39A	B	A	9.75	8.51	1.24	1021	
IR46MW41A	B	A	9.57	7.08	2.49	1209	
IR46MW43A	B	A	8.98	NM	NM	NM	Inaccessible
IR46MW46A	B	A	9.61	8.54	1.07	1025	
IR46MW47A	B	A	9.69	8.48	1.21	1018	
IR46MW48A	B	A	8.89	7.71	1.18	1030	
IR50MW13F	C	F	7.68	5.54	2.14	1203	
IR50MW15A	D	A	6.84	5.67	1.17	1148	
IR55MW01A	D	A	5.14	5.83	-0.69	1106	
IR55MW02A	D	A	7.27	6.90	0.37	1052	
IR55MW04A	D	A	4.80	3.95	0.85	1058	
IR58MW24F	C	A	15.48	12.60	2.88	1350	
IR58MW25F	C	A	9.72	7.45	2.27	1211	
IR58MW26A	C	A	8.24	5.70	2.54	1108	
IR58MW31A	C	A	8.97	6.35	2.62	1045	
IR58MW31F	C	F	9.22	6.79	2.43	1038	
IR58MW32B	C	A	8.77	6.29	2.48	1119	
IR58MW33B	C	B	9.06	6.47	2.59	1041	
IR60MW08A	B	D	D	NM	NM	NM	Decommissioned
IR61MW05A	B	A	10.11	6.67	3.44	1059	
IR62MW07A	B	A	10.20	6.65	3.55	1008	
IR62MW08A	B	A	10.35	6.71	3.64	1005	
IR64MW05A	C	A	7.83	5.68	2.15	1135	
IR67MW04A	D	A	8.17	7.04	1.13	1113	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
IR70MW04A	D	A	9.82	9.47	0.35	1137	
IR70MW11A	D	A	9.04	8.71	0.33	1124	
IR70MW12A	D	A	8.44	8.13	0.31	1117	
IR71MW03A	D	A	8.31	7.91	0.40	1131	
IR71MW04A	D	A	7.70	7.23	0.47	1133	
IR71MW12B	D	B	8.23	5.52	2.71	1134	
IR72MW32A	E	A	10.08	9.23	0.85	1115	
IR72MW33A	E	A	12.00	8.70	3.3	1235	
IR73MW04A	E	A	13.48	11.55	1.93	1112	
IR74MW01A	E	A	13.16	12.32	0.84	1230	
IR75MW05B	NNP	B	15.57	8.45	7.12	1008	
IR76MW13A	NNP	A	19.69	14.24	5.45	1225	
PA16MW17A	D	A	8.45	6.96	1.49	1141	
PA16MW18A	D	A	8.37	6.96	1.41	1144	
PA18MW08A	NNP	D	D	NM	NM	NM	Decommissioned
PA24MW02A	B	D	D	NM	NM	NM	Decommissioned
PA28MW51A	C	A	8.41	6.53	1.88	1142	
PA32MW04A	D	A	7.05	5.61	1.44	1041	
PA33MW36A	D	A	9.24	7.70	1.54	1229	
PA33MW37A	D	A	9.27	7.81	1.46	1223	
PA36MW01A	E	A	7.64	8.68	-1.04	1103	
PA36MW02A	E	A	8.02	9.05	-1.03	1215	
PA36MW04A	E	A	7.33	8.23	-0.90	1137	
PA36MW05A	E	D	D	NM	NM	NM	Decommissioned
PA36MW07A	E	A	6.80	7.17	-0.37	1059	
PA36MW08A	E	A	7.65	8.15	-0.50	1053	
PA39MW01A	D	A	4.53	4.38	0.15	1142	
PA39MW02A	D	A	6.13	6.02	0.11	1134	
PA50MW01A	B	A	9.18	7.46	1.72	1053	
PA50MW02A	B	A	7.80	6.73	1.07	1202	

Appendix B. Groundwater elevation data (August 16, 2006).

Well ID	Parcel	Hydro-stratigraphic Unit	Measurement point elevation (ft MSL)	Depth to water (ft)	Groundwater elevation (ft MSL)	Time	Comments
PA50MW03A	C	A	7.03	6.07	0.96	1102	
PA50MW04A	C	A	7.56	5.79	1.77	1206	
PA50MW05A	D	A	6.07	5.03	1.04	1151	
PA50MW06A	D	A	7.64	6.32	1.32	1147	
PA50MW07A	D	A	8.71	8.04	0.67	1143	
PA50MW08A	E	A	7.48	7.24	0.24	1136	
PA50MW09A	E	A	5.00	5.92	-0.92	1052	
PA50MW10A	E	A	8.45	10.57	-2.12	1015	
PA50MW11A	D	A	7.66	9.38	-1.72	1028	
PA50MW12A	D	A	8.62	9.3	-0.68	1120	
UT02MW15A	B	A	12.57	8.83	3.74	1010	
UT03MW11A	B	A	9.94	6.56	3.38	1043	
UT03MW12A	B	A	10.10	6.65	3.45	1105	

Notes:

Parcel: B*: Located in parcel B, but included 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
NNP: Non-Navy property (reported by SAP assigned parcel)

Hydrostratigraphic Units:
A: A-Aquifer
B: B-Aquifer
F: Bedrock (Franciscan Complex) Water-bearing Zone

Abbreviations:
D: Decommissioned
MSL: Mean Sea Level
NM: Not measured

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Appendix C.
Monitoring Well Sampling Forms

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APPENDIX C – MONITORING WELL SAMPLING FORMS

THIS APPENDIX IS COMPLETE AS SUBMITTED.

FOR ADDITIONAL INFORMATION, CONTACT:

DIANE C. SILVA, RECORDS MANAGER
NAVAL FACILITIES ENGINEERING COMMAND, SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

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KLEINFELDER

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

DATE: 8/29/06 WELL ID: IR06MW42A 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"/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: MASTER 6835
Condition of lock: GOOD

External Well ID: IR06MW42A Internal Well ID: IR06MW42A

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): STAINING ON TUBING (ORANGE)
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): MARKER ~N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC____inches
Depth to bottom of well: 13.98 feet Obstructions?: NA
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: REPLACE TUBING

Well Inspected by: Mark Swank

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R06MW42A	Day of Week: TUESDAY	Date: 8/29/06
Personnel: MSWANK, J.LY	Initial depth to water: 10.91	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)
1122	0	0	10.91						
1124	500	1000	11.03	19.61	0.633	0.24	6.83	-163.2	4.68
1126	500	2000	11.15	20.51	0.634	0.22	6.88	-159.2	5.52
1128	500	3000	11.17	21.35	0.620	0.24	6.84	-166.1	6.94
1130	500	4000	11.20	21.68	0.613	0.33	6.81	-172.0	7.31
1132	500	5000	11.21	21.95	0.615	0.33	6.82	-158.2	5.21
1134	500	6000	11.23	22.11	0.619	0.28	6.82	-156.1	4.32
1136	500	7000	11.24	22.34	0.622	0.26	6.82	-131.1	3.61
1138	500	8000	11.25	22.39	0.625	0.25	6.81	-139.5	3.84
1140	500	9000	11.27	22.47	0.627	0.24	6.82	-131.0	3.95
1142				SAMPLED					

er Sampling
pth to Bottom of Well: 13.98 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
ater Quality Meter	YSI 556	05K1407 AF	PID	MiniRae	104512
bidity Meter	LaMotte	SN ME 10624	Filter Apparatus	Disposable	
ater Level Meter	Heron-style	13952	Other:		
mp	Grundfos RF2	2474	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			
exavalent hromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0635M022

Sample Date: 8/29/06 Time: 1142

Middle of Saturated Screen

Sample Depth (ft. below TOC): 12.44

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

QA/QC Samples:

ne? ✓ Field Dupe MS/MSD? ____ Rinsate

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

D) Sample Number (Rinsate) Sample Number

A/QC Checked by: Thomas A. Sayre Date: 8/30/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: M. SWANK
Date: 8/29/06
Well ID: 1R06MW43A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

GENERAL COMMENTS:

T.D. USED IN PUMP PLACEMENT AS MEASURED = 13.98

Reviewed by: Thomas A. Sayre
Date: 9/30/06

KLEINFELDER

MONITORING WELL INSPECTION FORM

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

DATE: 8/22/06 WELL ID: IR07MW19A PARCEL: B

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

Size and number of bolts on vault cover: VS 8/22/06 2x 1 x 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: masterlock pro series 6835
Condition of lock: fine

External Well ID: IR07MW19A Internal Well ID: IR07MW19A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: good
Vault lid, rubber seal, and vault: good
Protective casing and cover: rusted
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): black, north
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC____ inches
Depth to bottom of well: 15.95 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:
none

Maintenance performed:
~~needs new bolts~~ VS 8/22/06
none

Recommended repairs:
needs new bolts

Well Inspected by: Vinay Sus

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: TR07MW19A	Day of Week: Tuesday	Date: 8/22/06
Personnel: V Sims + M. Bibbs	Initial depth to water: 9.42	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: Methane: O2:

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	Depth to water (ft. below TOC)	±0.2 Temperature (degrees C)	±3% Specific Conductivity (mS/cm)	±10%,.2 Dissolved Oxygen (mg/L)	±0.2 pH	±20 Oxidation Reduction Potential	±10%,<1 Turbidity (NTU)
1017	500	0	9.42						
1019	500	1000	9.43	20.26	16.80	3.72	6.66	21.4	2.91
1021	500	2000	9.45	20.54	16.79	3.46	6.65	16.6	2.38
1023	500	3000	9.42	20.76	16.79	3.50	6.65	15.8	1.73
1025	500	3000	9.41	20.99	16.79	3.67	6.65	24.0	1.73
1027	500	4000	9.41	21.18	16.76	3.56	6.65	20.0	1.40
1029	500	5000	9.42	21.37	16.74	3.77	6.65	21.0	1.30
1031	500	6000	9.42	21.43	16.73	3.75	6.67	22.2	1.06
1033	500	7000	9.42	21.47	16.72	3.77	6.68	24.1	0.99
1035	500	8000	9.42	21.50	16.71	3.85	6.67	24.6	1.09

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	05L231616AB	PID	MiniRae	K42-110-012
Turbidity Meter	LaMotte	SN MW10424	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	3945	Other:		
Pump	Grundfos RF2	2476	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634V001

Sample Date: 8/22/06 Time: 1040

Middle of Saturated Screen

Sample Depth (ft. below TOC): 12.7

Method of Extraction: Submersible Pump

Method of Sampling: Submersible Pump

QA/QC Samples:

Blank? ____ Field Dupe ✓ MS/MSD? ____ Rinsate

(FD) Sample Time 1045 (Rinsate) Sample Time ____

(FD) Sample Number 0634V002 (Rinsate) Sample Number ____

QC Checked by: Patricia Walters Date: 8/23/06

KLEINFELDER

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

DATE: 8/23/06 WELL ID: 1R07MW20A1 PARCEL: B

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

Size and number of bolts on vault cover: 2 x 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 lock 6835
Condition of lock: fine

External Well ID: 1R07MW20A1 Internal Well ID: 1R07MW20A1

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: good
Vault lid, rubber seal, and vault: good
Protective casing and cover: rusted
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): black, N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 23.50 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: none

Maintenance performed: none

Recommended repairs: none

Well Inspected by: Vicky Lind

Monitoring Well Sampling Sheet

Sheet 1 of __

Well No.: IR07MW20A1	**Day of Week:** Wednesday	**Date:** 8/23/06
Personnel: V. Sims + M. Bibbs	Initial depth to water: 9.26	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)	Depth to water (ft. below TOC)	±0.2 Temperature (degrees C)	±3% Specific Conductivity (mS/cm)	±10%, .2 Dissolved Oxygen (mg/L)	±0.2 pH	±20 Oxidation Reduction Potential	±10%, <1 Turbidity (NTU)
935	500	0	9.27						
937	500	1000	9.26	18.16	21.99	4.23	6.68	54.0	2.12
939	500	2000	9.27	18.75	22.17	3.45	6.70	47.9	2.91
941	500	3000	9.28	19.25	22.11	3.43	6.70	45.6	3.48
943	500	4000	9.28	19.51	22.02	3.43	6.70	42.6	3.47
945	500	5000	9.28	19.70	21.91	3.51	6.70	40.5	3.25
947	500	6000	9.25	19.85	21.78	3.48	6.69	39.6	2.72
949	500	7000	9.25	19.80	21.79	3.43	6.69	38.0	2.40
951	500	8000	9.25	19.85	21.74	3.44	6.69	37.4	2.04
953	500	9000	9.25	19.95	21.70	3.43	6.70	36.1	2.03

After Sampling Depth to Bottom of Well: 23.50 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	0542316	PID	MiniRae	KA# Z-110-01237
Turbidity Meter	LaMotte	ME10424	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	1395	Other:		
Pump	Grundfos RF2	2476	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634V004

Sample Date: 8/23/06 Time: 955

Middle of Saturated Screen Sample Depth (ft. below TOC): 16.4

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 ____

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

QA/QC Checked by: Patricia Walters Date: 8/23/06

KLEINFELDER

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

DATE: 8/22/06 WELL ID: 1R07MW21A1 PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: ~430 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
Lock brand name and lock number: MASTER 6835
Condition of lock: GOOD

External Well ID: 21A1 Internal Well ID: 1R07MW21A1

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: GOOD
Vault lid, rubber seal, and vault: ____
Protective casing and cover: ____
Well cap: ____
PVC/inner casing: ____
Odor or staining? (describe): TUBING
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): MARKER ~N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC____inches
Depth to bottom of well: 20.03 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: NA

Maintenance performed: NA

Recommended repairs: NA

Well Inspected by: Mark Swane

Monitoring Well Sampling Sheet

Sheet __ of __

No.:	IR07MW21A1	Day of Week: TUESDAY	Date: 8/22/06
Personnel:	M. SWANK M. BROWN	Initial depth to water: 14.33	ft. below top of casing

Organic Vapor Concentrations

Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: NA 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)
1402	0	0	14.33						
1404	500	1000	14.33	19.09	1.161	2.53	7.22	167.3	1.47
1406	500	2000	14.32	19.16	1.153	2.24	7.15	153.2	1.18
1408	500	3000	14.32	19.65	1.152	1.97	7.16	137.1	1.19
1410	500	4000	14.32	19.84	1.154	1.83	7.16	133.0	0.93
1412	500	5000	14.32	19.94	1.156	1.66	7.16	130.0	1.15
1414	500	6000	14.32	19.97	1.155	1.64	7.15	121.2	1.12
1416	500	7000	14.32	19.95	1.156	1.62	7.20	118.5	0.98
1418	500	8000	14.32	17.98	1.157	1.59	7.20	114.5	1.07
1420				SAMPLED					

Sampling
Depth to Bottom of Well: 20.03 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K1407 AF	PID	MiniRae	104512
Turbidity Meter	LaMotte	SN - ME1042	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	13952	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: 0634M006

Sample Date: 8/22/06 Time: 1420

Middle of Saturated Screen
Sample Depth (ft. below TOC): 16.50

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

QA/QC Samples:

Dup? ____ Field Dupe MS/MSD? ____ Rinsate ✓

(FD) Sample Time ____ (Rinsate) Sample Time 1510

(FD) Sample Number ____ (Rinsate) Sample Number IR07EB567

QC Checked by: Patricia Walters Date: 8/23/06

KLEINFELDER

MONITORING WELL INSPECTION FORM

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

DATE: 8/23/06 WELL ID: IR07MW23A 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 x 3/4" (MISSING)
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
Condition of lock: OK

External Well ID: NONE Internal Well ID: CAP

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: BOLTS MISSING
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 NE
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 16.55 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: NONE

Maintenance performed: NONE

Recommended repairs: REPLACE BOLT

Well Inspected by: J WILLIAMS

Monitoring Well Sampling Sheet

Sheet __ of __

Well No.: FROM MW 23A	**Day of Week:** WE	**Date:** 8/23/06
Personnel: J WILLIAMS, B PORTE	Initial depth to water: 13.58	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)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1141	200	0	13.58						
1146	200	1000	13.61	20.87	0.695	2.16	6.56	-56.2	1.71
1151	200	2000	13.61	22.03	0.695	1.27	6.55	-91.1	0.50
1155	250	3000	13.61	23.54	0.694	0.99	6.56	-88.3	0.93
1159	250	4000	13.61	23.81	0.697	0.87	6.59	-74.2	0.33
1201	500	5000	13.65	23.25	0.698	0.63	6.60	-69.1	0.06
1203	500	6000	13.65	22.64	0.700	0.50	6.60	-72.1	0.12
1205	500	7000	13.65	22.10	0.700	0.41	6.60	-86.9	0.49
1207	500	8000	13.65	21.93	0.700	0.39	6.60	-101.3	0.19
1210			SAMPLED						

After Sampling Depth to Bottom of Well: 16.55 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 AL	PID	MiniRae	KA 3
Turbidity Meter	LaMotte	SN-ME 10413	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634W006

Sample Date: 8/23/06 Time: 1210

Middle of Saturated Screen Sample Depth (ft. below TOC): 15

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: Patrick Walters **Date:** 8/25/06

KLEINFELDER

MONITORING WELL INSPECTION FORM

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

DATE: 8/22/06 WELL ID: 1R07MW24A PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 30 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
Lock brand name and lock number: MASTER 6835
Condition of lock: GOOD

External Well ID: 24A Internal Well ID: 1R07MW24A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: GOOD
Vault lid, rubber seal, and vault: ____
Protective casing and cover: ____
Well cap: ____
PVC/inner casing: ____
Odor or staining? (describe): ON TUBING
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): MARKER ~N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 18.10 feet Obstructions?: NA
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: Mina Sane

Monitoring Well Sampling Sheet

Sheet __ of __

ll No.: 1R07MW24A	Day of Week: TUESDAY	Date: 8/22/06
sonnel: M. SWANK, D. WILLIAMS	Initial depth to water: 12.09	ft. below top of casing

Organic Vapor Concentrations

D
of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: NA 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)
1124	0	0	12.09						
1126	500	1000	12.09	20.25	1.049	6.50	7.18	148.4	15.1
1128	500	2000	12.09	20.43	1.049	6.40	7.18	128.2	13.6
1130	500	3000	12.09	20.42	1.051	6.33	7.17	103.7	11.4
1132	500	4000	12.09	20.64	1.049	6.17	7.18	54.7	12.2
1134	500	5000	12.09	20.67	1.049	6.12	7.18	40.1	10.51
1136	500	6000	12.09	20.72	1.049	6.02	7.17	16.8	10.34
1138	500	7000	12.09	20.73	1.049	5.88	7.17	-2.5	8.34
1140	500	8000	12.09	20.76	1.048	5.80	7.17	3.1	6.66
1142				SAMPLED					

Sampling
h to Bottom of Well: 18.10 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

pment	Model	Serial Number	Equipment	Model	Serial Number
er Quality Meter	YSI 556	05K1407 AF	PID	MiniRae	104512
dity Meter	LaMotte	SN-ME1004	Filter Apparatus	Disposable	
er Level Meter	Heron-style	13952	Other:		
p	Grundfos RF2	2774	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓ (c/p)	Organotins		NH3	
PCBs		Oil / Grease		TKN	
cides		Cyanide		Salinity	
VOCs	✓ (c/p)	Anions		TDS	
SVOCs		Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
valent	✓	Organo Cl Pesticides			
omium					

SAMPLE INFORMATION

Sample Number: 0634M005

Sample Date: 8/22/06 Time: 1140

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.54

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: Patricia Walters Date: 8/23/06

KLEINFELDER

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

DATE: 8-22-06 WELL ID: IR07MW25A PARCEL: B

Well Completion (Check one): Monument X or Flushmounted ____
If monument, height above ground or road surface: 39 inches

Size and number of bolts on vault cover: None
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: IR07MW25A 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): ____
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 21.80 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: DPE / P. Candley

Monitoring Well Sampling Sheet

Sheet __ of __

ell No.: TR07MW25A	Day of Week: Tues	Date: 08-22-06
ersonnel: D. Elderge / P. Condley	Initial depth to water: 10.46	ft. below top of casing

Organic Vapor Concentrations

D
of Casing: 0.1 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)
1430	500	0	10.46						
1432	500	1000	10.47	21.50	1.039	2.10	7.29	88.1	6.12
1434	500	2000	10.47	21.60	1.040	2.02	7.28	88.0	4.19
1436	500	3000	10.48	21.75	1.040	1.99	7.28	89.2	4.50
1438	500	4000	10.48	21.88	1.042	1.95	7.28	90.3	4.04
1440	500	5000	10.48	22.01	1.042	1.87	7.28	91.8	3.41
1442	500	6000	10.47	22.09	1.043	1.75	7.27	92.9	3.46
1444	500	7000	10.47	22.12	1.043	1.72	7.27	93.4	3.39
1446	500	8000	10.47	22.16	1.042	1.70	7.28	94.0	3.24

er Sampling
pth to Bottom of Well: 24 | 21.80 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

pment	Model	Serial Number	Equipment	Model	Serial Number
ter Quality Meter	YSI 556	5L2316AH	PID	MiniRae	11993
bidity Meter	LaMotte	10529	Filter Apparatus	Disposable	NA
ter Level Meter	Heron-style	KA5	Other:		NA
mp	Grundfos RF2	2973	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634D005

Sample Date: 8-22-06 Time: 1445

Middle of Saturated Screen Sample Depth (ft. below TOC): 16.5

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

QA/QC Samples:

ne? ✓ Field Dupe MS/MSD? ____ Rinsate

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

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

QA/QC Checked by: Patricia Walters **Date:** 8/23/06

KLEINFELDER

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

DATE: 8/22/06 WELL ID: 1R07MW26A 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: 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
Lock brand name and lock number: MASTER 6835
Condition of lock: GOOD

External Well ID: 26A Internal Well ID: 1R07MW26A

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): STAINING ON BOTTOM OF TUBING
Casing diameter in inches (Circle one): 0.75 2 6 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): MARKER ~N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 18.53 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: NA

Maintenance performed: NA

Recommended repairs: NA

Well Inspected by: Mark Swan

Monitoring Well Sampling Sheet

Sheet __ of __

Well No.: 1R07 MW 26A	Day of Week: TUESDAY	Date: 8/22/06
Personnel: M. SWANN, D. WILLIAMS	Initial depth to water: 11.90 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: 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)
0926	0	0	11.90						
0928	500	1000	11.95	19.19	27.18	3.41	6.99	295.1	5.16
0930	500	2000	11.96	19.54	27.29	3.86	7.02	288.1	2.59
0932	500	3000	11.96	20.06	27.42	4.28	7.03	281.1	2.94
0934	500	4000	11.96	20.28	27.46	4.33	7.03	277.4	1.69
0936	500	5000	11.96	20.42	27.50	4.34	7.04	273.2	2.14
0938	500	6000	11.96	20.53	27.52	4.47	7.04	271.1	1.22
0940	500	7000	11.96	20.59	27.55	4.39	7.04	269.1	1.46
0942	500	8000	11.96	20.65	27.56	4.29	7.04	268.8	1.50
0944	→			SAMPLED					→

After Sampling Depth to Bottom of Well: 18.53 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05K 1407 AF	PID	MiniRae	104512
Turbidity Meter	LaMotte	SN-ME1024	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13952	Other:		
Pump	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634M003

Sample Date: 8/22/06 Time: 0944

Middle of Saturated Screen 13.45

Sample Depth (ft. below TOC): ~~15.21~~ m

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

QA/QC Samples:

Dune? ____ Field Dupe ✓ MS/MSD? ____ Rinsate

(FD) Sample Time 0944 (Rinsate) Sample Time ____

(FD) Sample Number 0634M004 (Rinsate) Sample Number ____

QC Checked by: Fabian Walters Date: 8/23/06

KLEINFELDER

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

DATE: 8/29/06 WELL ID: 1R07MW27A 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):
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: WELL COVERED W/ DIRT Internal Well ID: 1R07MW27A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: COVERED
Vault lid, rubber seal, and vault: GOOD
Protective casing and cover: GOOD
Well cap: GOOD
PVC/inner casing: GOOD
Odor or staining? (describe): NA
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): MARKER NN
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 21.12 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: INSIDE RAD AREA BENEATH PLASTIC

Maintenance performed: NA

Recommended repairs: NA

Well Inspected by: Mark Swank

Monitoring Well Sampling Sheet

Sheet __ of __

ell No.: IR07MW27A	Day of Week: TUESDAY	Date: 8/29/06
rsonnel: M. Swanl, J. Ly	Initial depth to water: 12.85	ft. below top of casing

Organic Vapor Concentrations

D
op 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)
1400	0	0	12.85						
1402	500	1000	13.10	19.21	0.863	3.12	6.90	44.8	6.19
1404	500	2000	13.28	19.78	0.879	1.52	6.99	32.4	3.86
1406	500	3000	13.37	19.83	0.877	1.16	6.95	27.3	4.79
1408	500	4000	13.44	20.21	0.878	0.89	6.94	22.7	3.13
1410	500	5000	13.52	20.40	0.878	0.85	6.94	19.8	2.84
1412	500	6000	13.59	20.58	0.879	0.79	6.97	17.0	3.01
1414	500	7000	13.66	20.66	0.880	0.61	6.99	12.6	3.43
1416	500	8000	13.71	20.66	0.880	0.61	7.00	7.6	4.00
1418				SAMPLED					

er Sampling
epth to Bottom of Well: 21.12 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
ater Quality Meter	YSI 556	05K1407 AF	PID	MiniRae	104512
rbidity Meter	LaMotte	SN ME10624	Filter Apparatus	Disposable	
ater Level Meter	Heron-style	13952	Other:		
mp	Grundfos RF2	2474	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			
exavalent hromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0635M023
Sample Date: 8/29/06 Time: ~~1698~~ 1418
Middle of Saturated Screen
Sample Depth (ft. below TOC): 16.98

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

QA/QC Samples:

ne? ✓ Field Dupe MS/MSD? ___ Rinsate
(FD) Sample Time ___ (Rinsate) Sample Time 1520
FD) Sample Number ___ (Rinsate) Sample Number IR07EB537

QC Checked by: [signature] **Date:** 9/5/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: V. Sims / M. Swank
Date: 8/23/06 / 8/29/06
Well ID: IR07MW27A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Could not locate. Probably buried under soil
WELL UNCOVERED BY TETRA TECH FOR SAMPLING

GENERAL COMMENTS:

Reviewed by: Thomas A Sykes
Date: 9/5/06

KLEINFELDER

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

DATE: 8/24/06 WELL ID: 1R07MW28A 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: 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
Lock brand name and lock number: MASTER 6835
Condition of lock: GOOD

External Well ID: 1R07MW28A Internal Well ID: 1R07MW28A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: GOOD
Vault lid, rubber seal, and vault: ↓
Protective casing and cover: ↓
Well cap: ↓
PVC/inner casing: ↓
Odor or staining? (describe): Mgns STAINING BLACK ON BOTTOM OF TUBING
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): MARKER - N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 17.91 feet Obstructions?: NONE
Immiscible phases present? YES/NO If yes, describe (including thickness): ____
Photograph taken: YES/NO

Describe unusual conditions: WATER IS RED-BROWN IN COLOR

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

Location sketch with North arrow:

Maintenance performed: TUBING FELL DOWN WELL, RETRIEVED

Recommended repairs: NA

Well Inspected by: [signature]

Monitoring Well Sampling Sheet

Sheet __ of __

Well No.: 1R07MW28A	Day of Week: THURSDAY	Date: 8/24/06
Personnel: M. SWANK, V. SIMS	Initial depth to water: 9.64	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: 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)
1358	0	0	9.64						
1400	500	1000	9.75	19.65	0.625	1.73	6.98	-151.3	8.78
1402	500	2000	9.75	20.03	0.631	1.33	6.99	-162.0	8.58
1404	500	3000	9.75	20.80	0.643	0.99	7.00	-162.0	6.74
1406	500	4000	9.75	21.03	0.650	0.85	7.01	-161.0	7.18
1408	500	5000	9.75	21.03	0.657	0.71	7.02	-156.3	6.00
1410	500	6000	9.75	21.07	0.660	0.70	7.03	-154.2	5.59
1412	500	7000	9.75	21.24	0.671	0.53	7.04	-166.0	5.23
1414	500	8000	9.75	21.43	0.706	0.40	7.06	-141.0	5.09
1416	500	9000	9.75	21.22	0.728	0.37	7.07	-151.0	4.81
1418	500	10,000	9.75	20.99	0.739	0.32	7.09	-145.0	4.10
1420	500	11,000	9.75	20.99	0.744	0.30	7.10	-146.1	3.67

After Sampling Depth to Bottom of Well: 17.91 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	104512
Turbidity Meter	LaMotte	SN-M6 10624	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13952	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION:

Sample Number: 06244015

Sample Date: 8/24/06 Time: 1422

Middle of Saturated Screen Sample Depth (ft. below TOC): 13.8

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: Patricia Walters Date: 8/25/06

KLEINFELDER

MONITORING WELL INSPECTION FORM

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

DATE: 8/24/06 WELL ID: IR07MW5-2 PARCEL: B

Well Completion (Check one): Monument ✓ or Flushmounted ____
If monument, height above ground or road surface: 23 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
Lock brand name and lock number: MASTER 6835
Condition of lock: OK

External Well ID: MARKER ON MONUMENT Internal Well ID: CAP

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: NONE
Vault lid, rubber seal, and vault: NA
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): DLK NNW
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC - inches
Depth to bottom of well: 17.77 feet Obstructions?: NONE
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 WILLIAMS

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR07 MWS-2	Day of Week: THURSDAY	Date: 8/24/06
Personnel: J. WILLIAMS, B FORTE	Initial depth to water: 9.87 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)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
0910	500	0	9.87						
0912	500	1000	9.86	19.13	23.55	1.45	6.79	144.4	2.42
0914	500	2000	9.87	19.86	23.55	1.26	6.83	133.2	1.71
0916	500	3000	9.87	20.46	23.62	1.22	6.84	127.0	1.10
0918	500	4000	9.87	20.88	~~20.88~~ 23.68	1.30	6.85	123.1	1.01
0920	500	5000	9.87	21.16	23.72	1.25	6.85	121.8	0.51
0922	500	6000	9.87	21.31	23.77	1.28	6.84	120.4	0.76
0924	500	7000	9.87	21.39	23.82	1.28	6.84	119.1	0.53
0926	500	8000	9.86	21.43	23.85	1.32	6.84	118.3	0.97
0930	—	—	SAMPLED	—					

After Sampling Depth to Bottom of Well: 17.77 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	2483	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634W008

Sample Date: 8/24/06 Time: 0930

Middle of Saturated Screen Sample Depth (ft. below TOC): 12.5

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: Vicky Jones Date: 8/25/06

KLEINFELDER

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

DATE: 8-23-06 WELL ID: IR07MWS-4 PARCEL: B

Well Completion (Check one): Monument X 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): ____
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: 68835 OK

External Well ID: IR07MWS-4 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: 19.83 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: DPE / P. Condley

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR07MWS-4	Day of Week: Wens.	Date: 8-23-06
Personnel: D. Eldredge / P. Condley	Initial depth to water: 14.71	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 ~~Date~~	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)
~~1108~~-1112	500	0	14.73						
1114	500	1000	14.75	20.26	6.143	1.43	6.95	-16.4	1.11
1116	500	2000	14.74	20.38	6.093	1.72	6.95	-16.6	0.81
1118	500	3000	14.74	20.46	5.991	1.83	6.95	-14.6	0.65
1120	500	4000	14.75	20.49	5.980	1.83	6.96	-14.6	~~14.7~~ 0.77
1122	500	5000	14.75	20.54	5.979	1.58	6.96	-13.9	0.78
1124	500	6000	14.75	20.48	5.991	1.53	6.95	-13.1	0.49
1126	500	7000	14.75	20.48	6.004	1.42	6.95	-12.5	0.30
1128	500	8000	14.75	20.47	6.014	1.36	6.95	-11.6	0.57

After Sampling Depth to Bottom of Well: 19.83 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L23164H	PID	MiniRae	11993
Turbidity Meter	LaMotte	10529	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	KA5	Other:		NA
Pump	Grundfos RF2	2473	Other:		NA

Groundwater Samples Collected (check all that apply)

Metals	X (dp)	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	X (dp)	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: D634D007

Sample Date: 8/23/06 Time: 1130

Middle of Saturated Screen

Sample Depth (ft. below TOC): 17.81

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

QA/QC Samples:

None? A Field Dupe MS/MSD? ____ Rinsate

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

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

QA/QC Checked by: Patricia Wallace Date: 8/29/06

KLEINFELDER

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

DATE: 9/25/06 WELL ID: 1P10MW13A1 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 bolt 3/16"
Specific wrench required? YES/NO (describe): 3/16"
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: Yes Internal Well ID: Yes

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Yes Good
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Good
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): Black Mark to the North
Venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 19.84 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: None

Well Inspected by: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of __

...l No.: 1R10MW13A1	Day of Week: FRIDAY	Date: 8/25/06
...sonnel: H. Leary, L. Johnson	Initial depth to water: 7.07	ft. below top of casing

Organic Vapor Concentrations

...D PMB7600	Landfill Gas Meter (if applicable to well)
...of Casing: 0.0 Background: 0.0	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)
...54	500	0	7.11						
...56	500	1000	7.12	19.91	1.781	0.90	7.43	199.2	0.30
...58	500	2000	7.12	20.71	1.741	0.72	7.46	190.0	0.41
...00	500	3000	7.12	21.07	1.702	0.67	7.47	184.3	0.0
...02	500	4000	7.12	21.03	1.669	0.64	7.48	177.9	0.77
...04	500	5000	7.12	21.44	1.655	0.61	7.48	174.6	0.0
...06	500	6000	7.12	21.51	1.652	0.59	7.48	170.9	0.05
...08	500	7000	7.12	21.58	1.653	0.56	7.48	167.5	0.0
...10	500	8000	7.12	21.64	1.654	0.53	7.48	165.5	0.06

...Sampling ...h to Bottom of Well: 19.84 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

...pment	Model	Serial Number	Equipment	Model	Serial Number
...er Quality Meter	YSI 556	05L2316FD	PID	MiniRae	PMB7600
...dity Meter	LaMotte	SN-ME 10420	Filter Apparatus	Disposable	N/A
...er Level Meter JJ	~~Heron-style~~	Enviro 1316	Other:		
...p	Grundfos RF2	H04090800 94	Other:		

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
...sticides		Cyanide		Salinity	
VOCs	✓ (clp)	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
...avalent		Organo Cl			
...omium		Pesticides			

SAMPLE INFORMATION

Sample Number: 0634H005

Sample Date: 8-25/06 Time: 9:12

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.45

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: 9/6/06

KLEINFELDER

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

DPO 8/30/06

DATE: 08-30-06 WELL ID: ~~IR25MW37A~~ IR10MW14A PARCEL: B

Well Completion (Check one): Monument ____ or Flushmounted X
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: 6835 OK

External Well ID: IR10MW14A 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): Black Mark North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC____inches
Depth to bottom of well: 19.41 feet Obstructions?: NONE
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
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: [signature]

IR10MW14A **Monitoring Well Sampling Sheet** Sheet 1 of 1

No.: ~~IR25MW37A~~ DPC 8/30/06	Day of Week: Wed. PW	Date: 8-30-06
Personnel: D. Eldredge / P. Condley	Initial depth to water: 7.75	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

9/5/06 DPC 904 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)
~~900~~	500	0	7.75						
906	500	1000	7.85	19.46	1.750	0.89	7.82	153.2	3.43
908	500	2000	~~7.00~~ 7.86	19.69	1.745	0.69	7.86	138.6	3.28
910	500	3000	7.88	20.02	1.749	0.48	7.88	119.9	3.16
912	500	4000	7.89	20.28	1.752	0.34	7.89	110.7	2.19
914	500	5000	7.89	20.53	1.751	0.36	7.89	101.6	2.54
916	500	6000	7.89	20.54	1.749	0.30	7.89	95.6	2.27
918	500	7000	7.88	20.91	1.759	0.35	7.90	82.4	2.26
920	500	8000	7.89	20.96	1.752	0.35	7.89	77.5	2.62

Water Sampling Depth to Bottom of Well: 19.41 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	ME10529	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	~~KAG~~ / 1979	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	✓ (cp)	Anions		TDS	
SVOCs		Sulfide		TSS	
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0635D022

Sample Date: 8/30/06 Time: 0930

Middle of Saturated Screen Sample Depth (ft. below TOC): 13.58

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

QA/QC Samples:

None? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time 1000

(FD) Sample Number ____ (Rinsate) Sample Number ~~06~~ IR10EB591

QA/QC Checked by: Patricia Walters Date: 9/7/06

KLEINFELDER

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

DATE: 8-23-0 WELL ID: 1R10MW31A1 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 bolts 15/16"
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: Good

External Well ID: Yes Internal Well ID: Yes

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Yes
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): 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: 17.20 feet Obstructions?: NO
Immiscible phases present? YES/NO If yes, describe (including thickness) N/A
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: M. Cook

Monitoring Well Sampling Sheet

Sheet 1 of 1

No.: 1R10MW31A1	Day of Week: Wensday	Date: 8-23-06
Personnel: N. Cook, H. Leung, L. Johnson	Initial depth to water: 10.43	ft. below top of casing

Organic Vapor Concentrations

PID PMG 7600
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)
10:48	500	0	10.55						
10:50	500	1000	10.56	20.00	8.063	3.27	7.22	102.4	1.51
10:52	500	2000	10.57	21.40	8.079	3.22	7.23	95.7	0.74
10:54	500	3000	10.58	21.76	8.102	2.91	7.21	87.3	0.64
10:56	500	4000	10.59	21.80	8.129	2.57	7.19	69.2	0.64
10:58	500	5000	10.59	21.75	8.161	2.12	7.18	47.9	0.51
11:00	500	6000	10.59	21.72	8.181	1.88	7.16	23.6	0.51
11:02	500	7000	10.59	21.77	8.215	1.61	7.16	-12.9	0.28
11:04	500	8000	10.59	21.71	8.236	1.43	7.14	-22.1	0.33
11:06	500	9000	10.59	21.69	8.235	1.20	7.13	-99.4	0.00
11:08	500	10 000	10.59	21.67	8.271	1.13	7.13	-56.8	-0.13
11:10	500	11 000	10.59	21.63	8.284	1.07	7.13	-71.0	-0.49

Water Sampling Depth to Bottom of Well: 17.20 ← ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316AD	PID	MiniRae	PMG 7600
Turbidity Meter	LaMotte	SN ME 10420	Filter Apparatus	Disposable	N/A
Water Level Meter	~~Heron-style~~	Enviro 13161	Other:		
Pump	Grundfos RF2	H0409080094	Other:		

Groundwater Samples Collected (check all that apply)

Metals	X (clp)	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	X (clp)	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: 0634C008

Sample Date: 8-23-06 Time: 1120

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.5

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: Patricia Walters Date: 8/25/06

KLEINFELDER

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

DATE: 8/23/06 WELL ID: TR 1D MW 33A 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: 15/16 ~~NA~~ DPE 8/23 2
Specific wrench required? YES/NO (describe): 15/16
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO Lost Standing water in vault? YES/NO If yes, pumped out? YES/NO
Lock brand name and lock number: DPE 8/23 Master 6835
Condition of lock: Crit

External Well ID: TR 1D MW 33A Internal Well ID: TR 1D MW 33A

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: Should be replaced
PVC/inner casing: OK
Odor or staining? (describe): Rust - ? leaky cap
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 NE
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 14.85 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
Photograph taken: YES/NO

Describe unusual conditions: Cap

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

Location sketch with North arrow:

Maintenance performed: ~~NA~~ DPE Replaced cap and lock 8/23/06

Recommended repairs: No - done.

Well Inspected by: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 2

No.: IR10MW33A	Day of Week: Wed	Date: 8/23/06
onnel: DeHartge / RCaddling	Initial depth to water: 7.14	ft. below top of casing

Organic Vapor Concentrations

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)
46	~~50~~ 250	P.O 0	7.14						
50	250 8/23	1000	7.14	19.74	2.561	0.59	8.05	-197.7	11.6
54	250	~~1500~~ 2000 DPE 8/23	7.14	20.19	2.549	0.57	8.05	-209.9	12.2
358	250	3000	7.14	20.77	2.527	0.42	8.08	-210.1	11.4
402	250	~~2500~~ 4000 8/23 DPE	7.14	21.14	2.493	0.59	8.05	-197.2	11.7
406	250	~~3000~~ 5000 8/23 DPE	7.14	21.71	2.362	0.75	8.08	-206.5	9.39
410	250	~~3500~~ 6000 8/23 DPE	7.14	21.68	2.271	0.41	8.11	-211.3	6.48
414	250	~~4000~~ 7000 8/23 DPE	7.14	21.77	2.218	0.34	8.10	-209.9	No-
418	250	~~4500~~ 8000 DPE 8/23	7.14	21.94	2.181	0.46	8.09	-202.5	meter
422	250	9000	7.14	21.56	2.077	0.40	8.10	-200.1	4.52
426	250	10000	7.14	21.39	2.017	*2.12	8.13	-180.7	6.26
430	250	11000	7.14	21.46	1.999	0.82	8.14	-181.8	5.24

Sampling
to Bottom of Well: 14.85 ft. below TOC * see attached notes Purged Dry? NO

Field Measurement Equipment Used

pment	Model	Serial Number	Equipment	Model	Serial Number
er Quality Meter	YSI 556	05L2316AH	PID	MiniRae	11993
dity Meter	LaMotte	10529	Filter Apparatus	Disposable	NA
er Level Meter	Heron-style	KA5	Other:		NA
p	Grundfos RF2	2473	Other:		NA

Groundwater Samples Collected (check all that apply)

Metals		Organotins		NH3	
PCBs		Oil / Grease		TKN	
sticides		Cyanide		Salinity	
VOCs	→	Anions		TDS	
SVOCs	~~→ 1-4~~	Sulfide		TSS	
TPH-e		Dioxane	1-4		
TPH-p		OP Cmpds			
avalent		Organo Cl			
romium		Pesticides			

SAMPLE INFORMATION

Sample Number 0634D008

Sample Date 8/23/06 Time: 1445

Middle of Saturated Screen

Sample Depth (ft. below TOC): 11

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 15:31

D) Sample Number ____ (Rinsate) Sample Number IR10EB671

QC Checked by: DPE VS 8/25/06 Vicky Lu Date: ~~08/23/06~~ VS 8/25/06

Monitoring Well Sampling Sheet

Sheet 2 of 2

No.: IR10MW 33A	Day of Week: Wed	Date: 8/23/06
Personnel: DEldridge / P Comalley	Initial depth to water: 7.14	ft. below top of casing

Organic Vapor Concentrations

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							
1434	~~1000~~ 250 8/23	12000	7.14	22.05	1.949	0.51	8.15	-191.9	4.06
1438	~~1000~~ 250 8/23	13000	7.14	21.85	1.934	0.67	8.16	-200.6	4.26
1442	~~1000~~ 250 8/23	14000	7.14	21.78	1.942	0.67	8.15	-189.3	4.31
1445	8/23		Sampled						

Depth to Sampling Depth to Bottom of Well: 14.85 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 1	PID	MiniRae	
Turbidity Meter	LaMotte		Filter Apparatus	Disposable	
Water Level Meter	Heron-style		Other:		
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: 0634D008

Sample Date: 8/23/06 Time: 1445

Middle of Saturated Screen Sample Depth (ft. below TOC): 11.1'

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

QA/QC Samples:

Dupe? ____ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time ____ (Rinsate) Sample Time 1530

(FD) Sample Number ____ (Rinsate) Sample Number IR10E8571

QC Checked by: Patricia Walters Date: 8/28/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: D Eldridge / P Candaly
Date: 8/23/06
Well ID: IR10MW 33A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS: DRE 8/23 ~~OD~~ DO reading Jumped to 2.12 for one reading then dropped right down to 0.59. Turbidity meter battery replaced twice at 7000L & 8000L.

GENERAL COMMENTS:
This well is near a remediation site (bldg 123 NE corner) may be the reason the parameters were unstable

Reviewed by: Patricia Walters
Date: 8/29/06

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KLEINFELDER

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

DATE: 8/28/06 WELL ID: IR10MW59A 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): 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: IR10MW59A Internal Well ID: IR10MW59A

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): N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 17.87 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: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 1

ell No.: IR01MW59A	Day of Week: Mon	Date: 8/28/06	
ersonnel: JGravesen, M Bibbs	Initial depth to water: 10.58	ft. below top of casing	

Organic Vapor Concentrations

PID
p of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: N/a 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)
1326	300	0							
1329	300	0.9	10.82	17.24	1.010	0.73	7.63	-9.9	5.93
1332	300	1.8	11.00	17.41	1.016	0.60	7.62	-10.6	7.15
1335	300	2.7	11.12	17.77	1.018	0.52	7.62	-11.9	6.80
1338	300	3.6	11.20	18.09	1.019	0.42	7.63	-13.0	5.79
1341	300	4.5	11.30	18.28	1.018	0.38	7.64	-14.0	5.85
1344	300	5.4	11.37	18.45	1.015	0.30	7.67	-16.1	6.47
1347	300	6.3	11.45	18.54	1.012	0.56	7.70	-18.9	5.16
1350	300	7.2	11.54	19.07	1.011	0.39	7.71	-21.5	4.67
1353	300	8.1	11.58	19.01	1.012	0.43	7.72	-23.3	4.92
1355	300	8.7	11.60	18.98	1.012	0.49	7.73	-23.1	5.08

er Sampling
pth to Bottom of Well: 17.87 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
ater Quality Meter	YSI 556	05L2316	PID	MiniRae	13274
rbidity Meter	LaMotte	10424	Filter Apparatus	Disposable	
ater Level Meter	Heron-style	13948	Other:		
mp	Grundfos RF2	2474	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			
TPH-p		OP Cmpds			
xavalent		Organo Cl			
hromium		Pesticides			

SAMPLE INFORMATION

Sample Number: 0635G011

Sample Date: 8/28/06 Time: 1357

Middle of Saturated Screen

Sample Depth (ft. below TOC): 14.2'

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

QA/QC Samples:

ne? ____ Field Dupe MS/MSD? ____ Rinsate 1420

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

D) Sample Number (Rinsate) Sample Number IR10ER583

QC Checked by: Patricia Walters Date: 8/29/06

KLEINFELDER

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

DATE: 8/23/06 WELL ID: 1R10MW61A PARCEL: B

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

Size and number of bolts on vault cover: 2 x 3/4"
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: masterlock 6835
Condition of lock: good

External Well ID: 1R10MW61A Internal Well ID: 1R10MW61A

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): black, north
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 20.45 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:
none

Maintenance performed:
none

Recommended repairs:
none

Well Inspected by: Vicky Lins

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R10MW61A	Day of Week: Wednesday	Date: 8/23/06
Personnel: V. Sims + M. Bibbs	Initial depth to water: 7.25	ft. below top of casing

Organic Vapor Concentrations

PID
Top of Casing: 0.0 Background: 0.0

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

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	<10.55 Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1324	500	0	7.25						
1326	500	1000	7.31	19.53	1.123	1.32	7.12	51.0	16.0
1328	500	2000	7.30	19.70	1.166	0.50	7.13	54.4	15.5
1330	500	3000	7.30	19.88	1.175	0.37	7.15	47.0	14.5
1332	500	4000	7.30	19.95	1.197	0.28	7.16	50.2	12.5
1334	500	5000	7.32	19.97	1.209	0.23	7.15	47.5	10.23
1336	500	6000	7.40	20.00	1.217	0.20	7.17	48.5	8.14
1338	500	7000	7.40	19.99	1.221	0.18	7.17	50.7	7.96
1340	500	8000	7.40	19.98	1.227	0.18	7.18	50.4	7.78

After Sampling
Depth to Bottom of Well: 20.45 ft. below TOC Purged Dry? no

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	0542316	PID	MiniRae	KA 2-1012374
Turbidity Meter	LaMotte	ME10424	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	1395	Other:		
Pump	Grundfos RF2	2476	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: 0634V005
Sample Date: 8/23/06 Time: 1345
Middle of Saturated Screen
Sample Depth (ft. below TOC): 16

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

QA/QC Samples:

Blank? ____ Field Dupe MS/MSD? X Rinsate
(FD) Sample Time ____ (Rinsate) Sample Time ____
(FD) Sample Number ____ (Rinsate) Sample Number ____

QC Checked by: Patricia Walters Date: 8/24/06

KLEINFELDER

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

DATE: 8/24/06 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 / 15/16
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: not readable Internal Well ID: IR10MW62A

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): N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 20.58 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.: IR10MW62A	Day of Week: THU	Date: 8/24/06
Personnel: J. GRAVESON N. COOK	Initial depth to water: ~~6.75~~ MEC 6.63 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)
1446	400	0							
1448	400	800	6.75	19.44	3.861	0.77	7.48	68.6	1.98
1450	400	1600	6.76	19.63	3.976	0.39	7.49	60.1	2.77
1452	400	2400	6.77	19.81	4.000	0.32	7.50	53.8	2.23
1454	400	3200	6.77 ~~6.79~~ MEC	20.08	4.013	0.26	7.52	49.1	1.51
1456	400	4000	6.77	20.26	4.053	0.22	7.52	44.4	1.14
1458	400	4800	6.77	20.47	4.173	0.22	7.52	42.6	0.80
1502	400	5600 ~~5600~~ MEC	6.76	20.59	4.326	4.38	7.51	40.8	1.40
1504	400	6400 ~~6000~~ MEC	6.76	20.75	4.475	4.43	7.49	38.6	1.25
1506	400	7200 ~~6800~~ MEC	6.76	20.96	4.566	4.59 ~~0.44~~ MEC	7.49	39.6	0.81
1508	400	8000 ~~7600~~ MEC	6.76	21.23	4.589	4.47	7.47	40.0	0.69

After Sampling Depth to Bottom of Well: 20.58 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	
Turbidity Meter	LaMotte	ME 10424	Filter Apparatus	Disposable	
Water Level Meter	~~Heron-style~~	ENVIRO #2	Other:		N/A
Pump	Grundfos RF2	2476	Other:		N/A

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: 0634G004

Sample Date: 8/24/06 Time: 1510

Middle of Saturated Screen Sample Depth (ft. below TOC): 15.75

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

QA/QC Samples:

Dup? ✓ Field Dupe MS/MSD? ____ Rinsate

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

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

QC Checked by: Patricia Walters Date: 8/25/06

KLEINFELDER

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

DATE: 10/28/06 WELL ID: IR10MW71A 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: no 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: OK

External Well ID: IR10MW71A Internal Well ID: IR10MW71A

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): N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 23.90 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 Gravesen

5A

Monitoring Well Sampling Sheet

...:	IR10MW71A	Day of Week: Mon	Date: 8/28/06
...el:	J Gravesen		
	M ~~Bob~~ Bibbs	Initial depth to water: 11.01	ft. below top of casing
	KC 8/28/06		

Organic Vapor Concentrations

...ing: 0.0	Background: 0.0	**Landfill Gas Meter** (if applicable to well) LEL: na	Methane: na O2: na

Groundwater Parameters

...	Discharge Rate (mL/min)	Cumulative Volume Discharged ~~(mL)~~ KC 8/28/06 L	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
...26	500	0	11.12						
...28	500	1.0	11.12	17.07	0.994	0.79	8.01	-10.1	2.36
...30	500	2.0	11.12	17.14	0.999	0.51	8.01	-10.4	2.18
...32	500	3.0	11.12	17.26	1.016	0.33	8.00	-10.3	2.29
...34	500	4.0	11.12	17.36	1.023	0.27	8.00	-10.7	1.72
...36	500	5.0	11.12	17.41	1.030	0.23	7.98	-11.6	2.15
...38	500	6.0	11.12	17.44	1.035	0.22	7.97	-12.0	1.83
...40	500	7.0	11.12	17.47	1.038	0.21	7.96	-12.3	1.41
...42	500	8.0	11.12	17.49	1.046	0.20	7.95	-12.6	2.13

...Sampling ...to Bottom of Well: 23.90 ft. below TOC Purged Dry? no

Field Measurement Equipment Used

...pment	Model	Serial Number	Equipment	Model	Serial Number
...Quality Meter	YSI 556	05L2316	PID	MiniRae	~~13274~~ 12374
...dity Meter	LaMotte	10424	Filter Apparatus	Disposable	KC 8/28/06
...Level Meter	Heron-style	13948	Other:		
...p	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0635G012

Sample Date: 8/28/06 Time: 1444

Middle of Saturated Screen

Sample Depth (ft. below TOC): 17.5

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

QA/QC Samples:

...e? ____ Field Dupe KC 8/28/06 MS/MSD? ____ Rinsate

(FD) Sample Time ~~1435~~ 1500 (Rinsate) Sample Time ____

...D) Sample Number 0635G013 (Rinsate) Sample Number ____

...QC Checked by: Patricia Walters Date: 8/29/06

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KLEINFELDER

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

DATE: 8/28/06 WELL ID: IR10MW76A 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: 15/16 (1) 5/8 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: Master 6835
Condition of lock: OK

External Well ID: IR10MW76A Internal Well ID: IR10MW76A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: fair
Vault lid, rubber seal, and vault: fair
Protective casing and cover: NA
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): Blk N.
Air venting hole on PVC/inner casing? YES/(NO) If yes, distance from inner TOC NA inches
Depth to bottom of well: 19.67 feet Obstructions?: None
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: [signature]

Monitoring Well Sampling Sheet

Sheet __ of __

Well No.: IR10MW76A	Day of Week: Monday	Date: 8/28/06
Personnel: R. Eldridge, W. Blackwell, Burnett Forte	Initial depth to water: 10.79	ft. below top of casing

Organic Vapor Concentrations

PID Reading at Casing: 0 Background: 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)
1418	500	0	11.2						
1420	500	1000	11.2	16.82	1.035	0.69	8.08	51.0	10.28
1422	500	2000	11.19	17.25	1.031	0.50	8.08	49.4	9.33
1424	500	3000	11.27	17.55	1.035	0.50	8.07	43.6	9.66
1426	500	4000	11.33	17.69	1.035	0.59	8.07	30.2	9.95
1428	500	5000	11.35	17.78	1.034	0.54	8.07	21.1	8.70
1430	500	6000	11.4	17.83	1.034	0.58	8.06	7.9	7.63
1432	500	7000	11.42	17.86	1.034	0.54	8.06	-14.6	7.63
1434	500	8000	11.47	17.84	1.032	0.52	8.06	-35.8	8.23
1436	500	9000	11.48	17.84	1.026	0.44	8.07	-61.4	7.53

Post Sampling Depth to Bottom of Well: 19.67 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316 AH	PID	MiniRae	11993
Turbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	N/A
Water Level Meter	Heron-style	KA5 1999	Other:		N/A
Pump	Grundfos RF2	2473	Other:		N/A

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: 0635D019

Sample Date: 8/28/06 Time: 1440

Middle of Saturated Screen Sample Depth (ft. below TOC): 15.22

Method of Extraction: Submersible Pump

Method of Sampling: Submersible Pump

QA/QC Samples:

Blank? ✓ Field Dupe MS/MSD? ____ Rinsate

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

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

QA/QC Checked by: ____ Date: ____

KLEINFELDER

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

DATE: 8/23/06 WELL ID: IR10MW79A PARCEL: B

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

Size and number of bolts on vault cover: 2 x 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: masterlock 6835
Condition of lock: fine

External Well ID: none Internal Well ID: IR10MW79A

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): black, north
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ____ inches
Depth to bottom of well: 20.87 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: none

Maintenance performed: none

Recommended repairs: none

Well Inspected by: Vicky Luis

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR10MW79A	Day of Week: Wednesday	Date: 8/23/06
Personnel: V. Sims + M. Bibbs	Initial depth to water: 7.08	ft. below top of casing

Organic Vapor Concentrations

PID
of Casing: 0.0 Background: 0.0

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

Groundwater Parameters

Time	Discharge Rate (mL/min)	Cumulative Volume Discharged (mL)	<10.5 Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1430	500	0	7.65						
1431	500	1000	7.80	19.84	0.615	0.89	7.48	64.0	1.57
1434	300	1000	7.95	20.19	0.625	0.36	7.44	66.4	2.83
1437	300	2900	8.22	20.74	0.629	0.33	7.45	69.4	1.80
1440	300	3800	8.23	20.86	0.630	0.27	7.47	69.8	1.36
1443	300	4700	8.30	21.13	0.626	0.26	7.43	68.3	2.23
1446	300	5600	8.30	21.30	0.626	0.26	7.45	67.7	1.62
1449	300	6500	8.44	21.32	0.623	0.27	7.45	68.6	2.01
1452	300	7400	8.45	21.37	0.620	0.27	7.46	67.0	2.76
1455	300	8300	8.49	21.45	0.617	0.26	7.42	67.9	2.64

Sampling
to Bottom of Well: 20.87 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Quality Meter	YSI 556	05L2316	PID	MiniRae	M2012374
dity Meter	LaMotte	ME10424	Filter Apparatus	Disposable	
Level Meter	Heron-style	1395	Other:		
p	Grundfos RF2	2476	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634V006

Sample Date: 8/23/06 Time: 1500

Middle of Saturated Screen

Sample Depth (ft. below TOC): 16'

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

QA/QC Samples:

?____ Field Dupe MS/MSD? ____ Rinsate ✓

FD) Sample Time _____ (Rinsate) Sample Time 1530

Sample Number (Rinsate) Sample Number IR10EB572

QC Checked by: Patricia Walters Date: 8/25/06

KLEINFELDER

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

DATE: 8/24/06 WELL ID: IR10MW80A 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):
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 4855
Condition of lock: OK

External Well ID: ~~Not readable~~ 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
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: 20.04 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.: IR10MW80A	Day of Week: THU	Date: 8/24/06
Personnel: J. GRAVESON N. COOK	Initial depth to water: 6.51	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)
1324	400	0							
1326	400	800	6.87	20.24	0.412	0.52	7.99	37.4	0.31
1328	400	1600	6.94	20.52	0.413	0.38	7.99	36.2	0.27
1330	400	2400	7.04	20.84	0.414	0.27	7.99	35.5	0.39
1332	400	3200	7.13	21.06	0.415	0.19	7.99	35.1	0.12
1334	400	4000	7.21	21.11	0.415	0.18	7.99	36.0	0.68
1336	400	4800	7.29	21.12	0.416	0.19	7.99	36.5	0.49
1338	400	5600	7.31	21.11	0.416	0.24	7.99	37.6	0.63
1340	400	6400	7.38	21.32	0.415	0.22	7.99	38.5	1.44
1343	300	7300	7.41	21.45	0.415	0.21	7.99	39.5	1.19
1346	300	8200	7.44	21.57	0.415	0.21	7.99	39.8	1.31

After Sampling
Depth to Bottom of Well: ~~6.51~~ 20.64 TOC 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	#2 110-12374
Turbidity Meter	LaMotte	ME 10424	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	#2	Other:		N/A
Pump	Grundfos RF2	2476	Other:		N/A

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: 06B3HG003

Sample Date: 8/24/06 Time: 1348

Middle of Saturated Screen
Sample Depth (ft. below TOC): 15.5

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

QA/QC Samples:

Dupe? _____ Field Dupe MS/MSD? _____ Rinsate

(FD) Sample Time _____ (Rinsate) Sample Time 1408

(FD) Sample Number _____ (Rinsate) Sample Number IR10EB576

QA/QC Checked by: Patricia Walters Date: 8/25/06

KLEINFELDER

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

DATE: 8/28/06 WELL ID: 1R18MW01A 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: 1/2" (1)
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe): COVERED WITH SOIL
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: NONE, BURIED Internal Well ID: 1R18MW01A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: BURIED
Vault lid, rubber seal, and vault: GOOD
Protective casing and cover: GOOD
Well cap: GOOD
PVC/inner casing: GOOD
Odor or staining? (describe): SULFUR/EGGS
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): MARKER ~N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 19.00 feet Obstructions?: NA
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: UNCOVERED WITH SHOVEL

Recommended repairs: NA

Well Inspected by: Mark Sosnak

Monitoring Well Sampling Sheet

Sheet __ of __

No.: 1R18 MW21A	Day of Week: Monday	Date: 8/28/06
Personnel: M Swank J Ly	Initial depth to water: 15.00	ft. below top of casing

Organic Vapor Concentrations

PID
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)
0852	0	0	15.00						
0858	500	1000	15.11	16.75	0.901	2.28	6.97	-237.8	24.4
0900	500	2000	15.14	17.47	0.902	1.43	6.98	-274.5	20.3
0902	500	3000	15.15	18.24	0.911	1.06	6.98	-289.9	15.1
0904	500	4000	15.16	18.76	0.911	0.84	6.98	-286.4	13.9
0906	500	5000	15.16	19.04	0.913	0.70	6.98	-292.6	12.2
0908	500	6000	15.17	19.16	0.917	0.59	6.98	-288.0	9.66
0910	500	7000	15.17	19.21	0.923	0.52	6.98	-286.5	11.6
0912	500	8000	15.17	19.29	0.927	0.56	6.98	-287.6	10.5
0914			SAMPLED						

Sampling
pth to Bottom of Well: 19.00 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
ter Quality Meter	YSI 556	05K1407 AF	PID	MiniRae	104512
bidity Meter	LaMotte	SN ML10604	Filter Apparatus	Disposable	✓
ter Level Meter	Heron-style	13952	Other:		
mp	Grundfos RF2	2482	Other:		

Groundwater Samples Collected (check all that apply)

						SAMPLE INFORMATION
Metals	✓	Organotins		NH3		
PCBs	✓	Oil / Grease		TKN		Sample Number: 0635M019
esticides	✓	Cyanide		Salinity		
VOCs	✓	Anions		TDS		Sample Date: 8/28/06 Time: 0914
SVOCs	✓	Sulfide		TSS	✓	Middle of Saturated Screen
TPH-e	✓	Dioxane				Sample Depth (ft. below TOC): 17.0 Ft.
TPH-p	✓	OP Cmpds				Method of Extraction: ✓ Submersible Pump / Method of Sampling: ✓ Submersible Pump
xavalent hromium	✓	Organo Cl Pesticides				

QA/QC Samples:

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

QC Checked by: Patricia Walters Date: 8/28/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: M. SWANK
Date: 8/28/06
Well ID: IR18MW21A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:

GENERAL COMMENTS:

* PUMP PLACEMENT BASED ON MEASURED TD OF 19.0 FT. (17 FT)

Reviewed by: Patricia Walters
Date: 8/29/06

11

KLEINFELDER

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

DATE: 8/24/06 WELL ID: 1R25MW17A 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"(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: MASTER 6835
Condition of lock: GOOD

External Well ID: 1R25MW17A Internal Well ID: 1R25MW17A

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): MARKER ~N
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 19.95 feet Obstructions?: NA
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
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: RAIN ZONE

Maintenance performed: NA

Recommended repairs: NA

Well Inspected by: Mark Smith

Monitoring Well Sampling Sheet

Sheet __ of __

Well No.: 1R25MW17A	Day of Week: THURSDAY	Date: 8/24/06
Personnel: M. SWANK, V. SIMS	Initial depth to water: 6.85 ft. below top of casing	

Organic Vapor Concentrations

PID
op of Casing: 0.0 Background: 0.0

Landfill Gas Meter (if applicable to well)
LEL: NA 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)
1027	0	0	6.85						
1029	500	1000	7.35	19.86	4.208	2.60	6.86	91.0	4.99
1031	500	2000	7.58	20.52	4.202	1.34	6.88	98.5	1.15
1033	500	3000	7.86	21.00	4.198	1.08	6.88	105.1	2.10
1035	500	4000	8.08	20.92	4.200	0.91	6.90	106.5	2.19
1037	500	5000	8.20	20.95	4.1899	1.00	6.90	106.6	1.86
1039	500	6000	8.30	21.11	4.143	0.76	6.91	108.1	2.68
1041	500	7000	8.53	21.21	4.117	0.79	6.93	108.9	2.45
1043	500	8000	8.61	21.26	4.094	0.80	6.93	110.4	3.11
1045				SAMPLED					

er Sampling
pth to Bottom of Well: 19.95 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
er Quality Meter	YSI 556	05K1407AF	PID	MiniRae	104512
idity Meter	LaMotte	SN-ME1D624	Filter Apparatus	Disposable	✓
er Level Meter	Heron-style	13952	Other:		
mp	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 06034M014

Sample Date: 8/24/06 Time: 1045

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.39

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

QA/QC Samples:

? ✓ Field Dupe MS/MSD? ____ Rinsate

D) Sample Time ____ (Rinsate) Sample Time ____

) Sample Number (Rinsate) Sample Number

QC Checked by: Patricia Walters Date: 8/25/06

KLEINFELDER

ADDITIONAL FIELD NOTES
Hunters Point Shipyard - San Francisco, California

Personnel: M. Swank, V. Sims
Date: 8/24/06
Well ID: IR25MW17A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS:
Bottom of Screen Greater Than Total Depth

GENERAL COMMENTS:
6.85 + 19.73* = 13.39

* TD of Well

Reviewed by: Patricia Walters
Date: 8/25/06

KLEINFELDER

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

DATE: 08-30-06 WELL ID: IR25MW37A 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: (02) 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: ~~DOE 8/30 6835~~ OK

External Well ID: IR25MW37A 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): H2S odor
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 ____ PC 8/30/06
Distinct mark or notch on PVC casing? (describe/give orientation): Black Mark North
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 15.60 feet Obstructions?: NO
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: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR25MW37A	Day of Week: Wed. 9/13/06	Date: 08-30-06
Personnel: D. Eldridge / P. Conley	Initial depth to water: 7.06	ft. below top of casing

Organic Vapor Concentrations

PID Top of Casing: 0.4 Background: 0

Landfill Gas Meter (if applicable to well) LEL: N/A 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)
1040	500	0	7.06						
1042	500	1000	7.59	20.30	0.432	0.17	7.21	-232.0	50.1
1044	500	2000	~~5.71~~ 7.75	20.73	0.431	0.08	7.22	-286.1	36.2
1046	500	3000	7.80	20.96	0.431	0.06	7.23	-305.2	39.2
1048	500	4000	7.85	21.05	0.431	0.05	7.24	-322.4	35.2
1050	500	5000	7.91	21.13	0.430	0.05	7.24	-324.4	34.7
1052	500	6000	7.95	21.19	0.429	0.10	7.26	-314.6	33.4
1054	500	7000	7.98	21.17	0.428	0.10	7.28	-308.6	35.5
1056	500	8000	7.98	21.19	0.426	0.15	7.28	-311.6	35.7

After Sampling Depth to Bottom of Well: 15.60 ft. below TOC Purged Dry? No

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L23116 AH	PID	MiniRae	11993
Turbidity Meter	LaMotte	M010529	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	1979	Other:		NA
Pump	Grundfos RF2	2483	Other:		NA

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			
TPH-p		OP Cmpds			
Hexavalent Chromium		Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0635D023

Sample Date: 8-30-06 Time: 1110

Middle of Saturated Screen

Sample Depth (ft. below TOC): 11.30

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

QA/QC Samples:

Dupe? ✓ Field Dupe MS/MSD? ____ Rinsate

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

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

QC Checked by: Patricia Walters Date: 9/8/06

KLEINFELDER

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

DATE: 8/29/06 WELL ID: 1R26MW41A 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" (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: MASTER 6835
Condition of lock: GOOD

External Well ID: COVERED W/ DIRT Internal Well ID: 1R26MW41A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: DIRT COVERED
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): MARKER ~N
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) ____
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: MARK SNAKE

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R26MW41A	Day of Week: TUESDAY	Date: 8/29/06
Personnel: M. SWANK, J. LY	Initial depth to water: 7.45 ft. below top of casing	

Organic Vapor Concentrations

Head Space 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)	±0.2 Temperature (degrees C)	3% Specific Conductivity (mS/cm)	±0.2/10% Dissolved Oxygen (mg/L)	±0.2 pH	±20 Oxidation Reduction Potential	10% Turbidity (NTU)
1008	0	0	7.45						
1010	500	1000	7.59	19.03	0.852	1.96	7.18	-35.7	4.94
1012	500	2000	7.61	19.52	0.887	1.39	7.26	-93.7	5.02
1014	500	3000	7.63	20.06	0.860	1.09	7.30	-145.1	6.38
1016	500	4000	7.65	20.45	0.809	0.90	7.34	-172.5	4.41
1018	500	5000	7.67	20.69	0.750	0.67	7.38	-190.5	4.10
1020	500	6000	7.68	20.90	0.700	0.55	7.40	-201.5	2.78
1022	500	7000	7.69	20.97	0.689	0.48	7.41	-204.8	5.87
1024	500	8000	7.73	21.09	0.674	0.47	7.41	-209.1	3.41
1026	500	9000	7.75	21.12	0.669	0.42	7.42	-212.3	4.01
1028				SAMPLED					

Water 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	05K1407 AP	PID	MiniRae	104512
Turbidity Meter	LaMotte	SN ME10624	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	13952	Other:		
Pump	Grundfos RF2	2474	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0635M021
Sample Date: 8/29/06 Time: 1028
Middle of Saturated Screen
Sample Depth (ft. below TOC): 14.22

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 _____

QC Checked by: [signature] **Date:** 8/30/06

KLEINFELDER

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

DATE: 08-24-06 WELL ID: IR26MW46A PARCEL: B

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

Size and number of bolts on vault cover: 3/4 (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: Master
Condition of lock: 6835

External Well ID: IR26MW46A 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 ~~NOTE~~ North
Air venting hole on (PVC) inner casing? YES/(NO) If yes, distance from inner TOC NA inches
Depth to bottom of well: 18.95 feet Obstructions?: NONE
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: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: ~~IR86~~ IR76MW46A	Day of Week: Thurs.	Date: 8-24-06
Personnel: DGB 8/24 D. Eldredge / P. Candley	Initial depth to water: 6.57	ft. below top of casing

Organic Vapor Concentrations

PID
p of Casing: 0.2 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)
1:30	500	0	6.57						
0932	500	1000	6.87	19.88	5.778	1.19	7.21	-93.5	2.82
0934	500	2000	7.00	20.36	5.810	1.54	7.22	-99.0	4.09
0936	500	3000	7.00	20.65	5.818	0.77	7.22	-113.0	2.95
0938	500	4000	7.13	20.92	5.774	0.58	7.22	-117.3	3.02
0940	500	5000	7.28	20.91	5.700	0.45	7.22	-123.5	2.20
0942	500	6000	7.45	20.99	5.709	0.36	7.22	-125.0	2.29
0944	500	7000	7.45	21.11	5.647	0.29	7.23	-127.2	1.76
0946	500	8000	7.57	21.22	5.570	0.23	7.23	-123.4	1.95

er Sampling
pth to Bottom of Well: 18.95 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
ater Quality Meter	YSI 556	05L2316 AH	PID	MiniRae	11993
rbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	NA
ater Level Meter	Heron-style	KA5	Other:		NA
mp	Grundfos RF2	2473	Other:		NA

Groundwater Samples Collected (check all that apply)

(dp) Metals	X	Organotins		NH3	
(dp) PCBs	X	Oil / Grease		TKN	
Pesticides (dp)	X	Cyanide		Salinity	
VOCs		Anions		TDS	
SVOCs (dp)	X	Sulfide		TSS	X
TPH-e		Dioxane			
TPH-p		OP Cmpds			
xavalent hromium	X	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0634D009

Sample Date: 082406 Time 0955

Middle of Saturated Screen

Sample Depth (ft. below TOC): 12 ft.

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

QA/QC Samples:

pe? ✓ Field Dupe MS/MSD? ____ Rinsate

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

D) Sample Number ____ (Rinsate) Sample Number ____

QC Checked by: Patricia Walters Date: 8/29/06

KLEINFELDER

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

DATE: 8/24/06 WELL ID: IR26mw47A 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 2
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe):
Well locked upon arrival? YES/NO (Type) 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: IR26mw 47A Internal Well ID: IR26mw 47A

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Cracked
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): TSK NE
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 15.45 feet Obstructions?: None
Immiscible phases present? YES/NO If yes, describe (including thickness) NA
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: [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR26MW 47.7	Day of Week: Thurs	Date: 8/24/06
Personnel: D Fleming / P Condley	Initial depth to water: 7.90	ft. below top of casing

Organic Vapor Concentrations

Top of Casing: 0 Background: 0

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

Groundwater Parameters

* Request 1 gal

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)
1100	100	0	7.90						
1105	100	500	7.77	18.76	19.37	2.76	7.38	16.2	0.41
1110	100	1000	7.70	20.26	19.41	2.87	7.39	27.0	0.60
1120	100	~~1500~~ 2000	7.59	20.67	19.39	2.65	7.40	50.1	0.13
1130	100	3000	7.46	20.72	19.40	2.58	7.41	125.1	0.13
1140	100	~~2500~~ 4000	7.34	20.84	19.40	2.58	7.41	135.9	0.20
1150	100	5000	7.24	20.89	19.38	2.58	7.41	140.2	0.12
1200	100	6000	7.11	21.21	19.37	2.54	7.41	139.0	0.13
1210	100	7000	6.96	21.00	19.33	2.48	7.41	140.8	0.15
1220	100	8000	6.84	21.10	~~19.34~~ 19.34	2.51	7.41	141.3	0.26

Depth to Bottom of Well: 15.45 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05623116	PID	MiniRae	11993
Turbidity Meter	LaMotte	ME 10529	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	KA 5	Other:		NA
Pump	Grundfos RF2	2473	Other:		NA

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: 0634D010

Sample Date: 8/24/06 Time: 1225

Middle of Saturated Screen Sample Depth (ft. below TOC): 11.71

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

QA/QC Samples:

Dup? N Field Dupe MS/MSD? ____ Rinsate

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

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

QC Checked by: Patricia Walters **Date:** 8/25/06

KLEINFELDER

ADDITIONAL FIELD NOTES

Hunters Point Shipyard - San Francisco, California

Personnel: D Eldridge / P Comiskey
Date: 8/24/06
Well ID: 1R26MW47A

SAMPLING/WELL LOCATION INFORMATION:

UNUSUAL EVENTS/PROBLEMS: Water levels change due to tide coming in.

GENERAL COMMENTS:

Patricia Walters
8/24/06

KLEINFELDER

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

DATE: 8/23/06 WELL ID: FL26MW48A 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: 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
Condition of lock: JAMMED

External Well ID: PAINT ON AC Internal Well ID: 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: NONE
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 NE
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC — inches
Depth to bottom of well: 19.54 feet Obstructions?: ____
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 WILLIAMS

Monitoring Well Sampling Sheet

Sheet 1 of __

Well No.: ~~[illegible]~~ FR26MW48A	Day of Week: WE	Date: 8/23/06
Personnel: J Williams B Fortie	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: – 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)
0921	500	0	6.70						
0923	500	1000	7.29	18.46	14.47	0.70	6.99	198.0	4.60
0925	500	2000	7.55	19.09	14.49	0.47	7.01	184.0	3.64
0927	500	3000	7.76	19.49	14.56	0.41	7.02	174.0	3.22
0929	500	4000	7.97	19.91	14.55	0.35	7.03	162.0	3.35
0931	500	5000	8.14	20.16	14.54	0.38	7.04	147.3	3.12
0933	500	6000	8.31	20.32	14.51	0.25	7.05	138.9	2.92
0935	500	7000	8.46	20.41	14.42	0.24	7.05	133.7	3.73
0937	500	8000	8.64	20.58	14.30	0.24	7.05	128.7	3.91
0940			SAMPLED						

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	05L2316 AC	PID	MiniRae	KA 3 012373
Turbidity Meter	LaMotte	~~RV-20858~~ ME-10413	Filter Apparatus	Disposable	
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2475	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634W005

Sample Date: 8/23/06 Time: 0940

Middle of Saturated Screen Sample Depth (ft. below TOC): 14 FT

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

QA/QC Samples:

None? ✓ Field Dupe MS/MSD? ____ Rinsate PW 8/23/06

(FD) Sample Time ____ (Rinsate) Sample Time ~~[illegible]~~ PW 8/23/06

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

QA/QC Checked by: Patricia Walters Date: 8/23/06

KLEINFELDER

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

DATE: 8-24-06 WELL ID: 1826 MW49A 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 3/8"
Specific wrench required? YES/NO (describe): 3/8"
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 6838
Condition of lock: Good

External Well ID: Yes Internal Well ID: Yes

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: Good / Yes
Vault lid, rubber seal, and vault: Good
Protective casing and cover: Good
Well cap: Good
PVC/inner casing: Yes
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): 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: 15.00 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~~ LJ 8/24/06
Add tubing

Recommended repairs: None

Well Inspected by: LaTrya Johnson [signature]

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1226MW ~~A017~~ HA
Personnel: H. Leung, L. Johnson
Day of Week: Thursday
Date: 8-24-06
Initial depth to water: ~~8.49~~ 8.32 ft. below top of casing

Organic Vapor Concentrations 8.32 HL 8/24/06

PID RMG7600
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)
10:~~55~~ 38	500	0	8.33						
11:00	500	1000	8.33	20.17	28.26	5.87	7.09	120.0	13.6
11:02	500	2000	8.33	20.60	25.30	5.58	7.10	119.1	8.41
11:04	500	3000	8.33	20.85	25.28	5.55	7.14	119.7	8.25
11:06	500	4000	8.21	20.90	25.26	5.53	7.16	119.9	~~4~~.60
11:08	500	5000	8.18	20.92	25.23	5.47	7.13	122.4	2.44
11:10	500	6000	8.16	20.98	25.22	5.40	7.11	123.0	1.62
11:12	500	7000	8.13	20.99	25.22	5.51	7.11	123.3	1.0
11:14	500	8000	8.10	21.01	25.19	5.59	7.12	126.1	1.44

After Sampling Depth to Bottom of Well: ~~15'~~ HL 15' ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316AD	PID	MiniRae	RMG7600
Turbidity Meter	LaMotte	SD-ME 10420	Filter Apparatus	Disposable	N/A
Water Level Meter	~~Heron-style~~	Enviro 13161	Other:		
Pump	Grundfos RF2	1104070800094	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓ As, Cr, Cu, Pb, Mn, Hg, Zn	Organotins		NH3			
PCBs	✓ (dp)	Oil / Grease		TKN			
Pesticides	✓ (dp)	Cyanide		Salinity			
VOCs		Anions		TDS			
SVOCs	✓ (dp)	Sulfide		TSS	✓		
TPH-e		Dioxane					
TPH-p		OP Cmpds					
Hexavalent Chromium	✓	Organo Cl Pesticides					

SAMPLE INFORMATION

Sample Number: 0634H002
Sample Date: 8-24-06 Time: 11:20
Middle of Saturated Screen
Sample Depth (ft. below TOC): ~~11~~ HL 11.50

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

QA/QC Samples:

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

QC Checked by: [signature] Date: 9/6/06

PW ~~13~~ 2

KLEINFELDER

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

DATE: 8-24-06 WELL ID: 1R26 MW49A 50 ft 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 3/8"
Specific wrench required? YES/NO (describe): 3/8"
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: Yes Internal Well ID: Yes

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): 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): 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: 15' feet Obstructions?: ____
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~~ Add tubing

Recommended repairs: None

Well Inspected by: Jo Frys Johnson

5088 Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: 1R26 MW-49A	Day of Week: Thursday	Date: 8-24-06
Personnel: H. Leung, L. Johnson	Initial depth to water: 6.75 ft. below top of casing	

Organic Vapor Concentrations

PID: PMG 7600	Landfill Gas Meter (if applicable to well)
Casing: 0.0 Background: 0.0	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)
9:38	500	0	6.87						
9:40	500	1000	6.88	21.47	18.94	1.75	7.31	90.3	2.44
9:42	500	2000	6.90	22.10	19.07	1.62	7.33	89.8	4.75
9:44	500	3000	6.93	22.51	19.08	1.66	7.33	91.2	5.32
9:46	500	4000	6.94	22.69	19.10	1.65	7.34	89.3	3.71
9:48	500	5000	6.95	22.74	19.11	1.62	7.35	86.4	3.59
9:50	500	6000	6.96	22.79	19.11	1.53	7.35	90.8	3.03
9:52	500	7000	6.97	22.85	19.12	1.38	7.35	96.4	1.92
9:54	500	8000	6.98	22.90	19.13	1.34	7.35	92.9	1.64
9:56	500	9000	6.98	22.93	19.14	1.32	7.35	92.1	1.18

Water Sampling Depth to Bottom of Well: 15' ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L2316AD	PID	MiniRae	PMG 7600
Turbidity Meter	LaMotte	SN-MF 10420	Filter Apparatus	Disposable	N/A
Water Level Meter	~~Heron-style~~	Enviro 13161	Other:		
Pump	Grundfos RF2	H0409080094	Other:		

Groundwater Samples Collected (check all that apply)

Metals	✓ (clp)	Organotins		NH3	
PCBs	✓ (clp)	Oil / Grease		TKN	
Pesticides	✓ (clp)	Cyanide		Salinity	
VOCs		Anions		TDS	
SVOCs	✓ (clp)	Sulfide		TSS	✓
TPH-e		Dioxane			
TPH-p		OP Cmpds			
Hexavalent Chromium	(EPA 7199)	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0634H001

Sample Date: 8-24-06 Time: 10:00

Middle of Saturated Screen

Sample Depth (ft. below TOC): 10.5

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

QA/QC Samples:

Dupe? ✓ Field Dupe MS/MSD? ____ Rinsate

(FD) Sample Time _____ (Rinsate) Sample Time _____

(FD) Sample Number (Rinsate) Sample Number

QC Checked by: _____ Date: _____

pw +32

KLEINFELDER

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

DATE: 08-31-06 WELL ID: IR46MW37A 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: (1) 15/16 -1 bolt missing
Specific wrench required? YES/NO (describe):
Difficulty opening? YES/NO (describe): Bolt was bent
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 6235
Condition of lock: OK

External Well ID: IR46MW37A 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 but rusty
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 MRK NRTH
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC NA inches
Depth to bottom of well: 21.03 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: DPE / P. Candley

Monitoring Well Sampling Sheet

Sheet 1 of __

Well No.: IR46MW37A	Day of Week: Thurs.	Date: 08-31-06
Personnel: D. Eldredge / P. Landley	Initial depth to water: 7.15	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

→ P.E 08-31-06 ←

Groundwater Parameters

0858 Time	500 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)
~~500~~	~~0855~~	0	7.15						
0900	500	1000	7.30	20.03	1.265	1.41	8.42	51.9	5.30
0902	500	2000	7.35	20.18	1.285	0.69	8.43	48.2	4.91
0904	500	3000	7.39	20.81	1.318	0.49	8.43	42.2	4.40
0906	500	4000	7.41	21.11	1.342	0.40	8.43	37.6	3.41
0908	500	5000	7.43	21.25	1.369	0.34	8.42	34.8	3.97
0910	500	6000	7.45	21.28	1.381	0.33	8.42	33.8	2.93
0912	500	7000	7.48	21.35	1.393	0.27	8.42	32.3	2.79
0914	500	8000	7.48	21.37	1.397	0.28	8.42	45.2	2.70

After Sampling Depth to Bottom of Well: 21.03 ft. below TOC Purged Dry? X

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	NA
Water Level Meter	Heron-style	1979	Other:		NA
Pump	Grundfos RF2	2483	Other:		NA

Groundwater Samples Collected (check all that apply)

Metals	X (dp)	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
VOCs	X (dp)	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: 0635D027

Sample Date: 08-31-06 Time: 0918

Middle of Saturated Screen Sample Depth (ft. below TOC): 14.14

Method of Extraction:	Method of Sampling:
X Submersible Pump	X 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: 9/7/06

KLEINFELDER

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

DATE: 8/24/06 WELL ID: IR61MW05A PARCEL: B

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

Size and number of bolts on vault cover: 2 x 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: masterlock 6835
Condition of lock: good

External Well ID: IR61-5A Internal Well ID: IR61MW05A

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): 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?: 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:
none

Maintenance performed:
none

Recommended repairs:
none

Well Inspected by: Vicky Sms

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: IR61MW05A	Day of Week: Thursday	Date: 8/24/06
Personnel: M. Swank + V. Sims	Initial depth to water: 6.91	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: 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)
0901	0	0	6.91						
0903	500	1000	7.23	17.90	2.941	0.98	7.46	108.2	2.04
0905	500	2000	7.32	18.58	2.942	0.52	7.50	62.0	4.74
0907	500	3000	7.43	19.42	2.970	0.42	7.45	32.8	4.31
0909	500	4000	7.52	19.78	2.978	0.39	7.48	20.8	5.77
0911	500	5000	7.59	20.06	2.981	0.29	7.39	10.4	2.17
0913	500	6000	7.68	20.21	2.985	0.38	7.39	-0.4	3.54
0915	500	7000	7.76	20.25	2.985	0.36	7.44	-7.5	3.33
0917	500	8000	7.80	20.27	2.983	0.40	7.39	-13.5	4.82
0919				SAMPLED					

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	050407 AF	PID	MiniRae	104512
Turbidity Meter	LaMotte	SN-MC10624	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	✓(dup)	Anions		TDS	
SVOCs		Sulfide		TSS	✓
TPH-e	✓	Dioxane			
TPH-p	✓	OP Cmpds			
Hexavalent Chromium	✓	Organo Cl Pesticides			

SAMPLE INFORMATION

Sample Number: 0634MD13

Sample Date: 8/24/06 Time: 0919

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.95

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:** 8/25/06

KLEINFELDER

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

DATE: 8/24/06 WELL ID: PA50 MW 01A 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 x 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: OK

External Well ID: PAINT ON AC Internal Well ID: NONE

Describe condition of (as applicable) the following:
Concrete pad and surrounding area: OK
Vault lid, rubber seal, and vault: BOLTS STRIPPED
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): DLK ONE
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC ~ inches
Depth to bottom of well: 16.80 feet Obstructions?: NONE
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: D WILLIAMS

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: PA50MW01A	Day of Week: THURSDAY	Date: 8/24/06
Personnel: J. WILLIAMS, B. FORTE	Initial depth to water: 7.56	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)	Depth to water (ft. below TOC)	Temperature (degrees C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential	Turbidity (NTU)
1031	500	0	7.56						
1033	500	1000	7.56	20.57	2.006	0.63	7.09	48.3	1.67
1035	500	2000	7.57	21.14	2.011	0.37	7.11	54.8	1.65
1037	500	3000	7.57	21.57	2.010	0.30	7.11	58.9	0.71
1039	500	4000	7.57	21.68	2.002	0.25	7.11	62.8	0.08
1041	500	5000	7.57	21.74	2.002	0.23	7.12	66.4	0.48
1043	500	6000	7.57	21.74	2.003	0.22	7.12	68.8	0.35
1045	500	~~6000~~ 7000	7.57	21.82	2.009	0.20	7.11	71.7	0.20
1047	500	8000	7.57	21.86	2.013	0.19	7.11	73.1	0.03
1050	SAMPLED								

After Sampling Depth to Bottom of Well: 16.00 ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05 L 2316	PID	MiniRae	12373
Turbidity Meter	LaMotte	ME-10413	Filter Apparatus	Disposable	✓
Water Level Meter	Heron-style	13956	Other:		
Pump	Grundfos RF2	2483	Other:		

Groundwater Samples Collected (check all that apply)

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

SAMPLE INFORMATION

Sample Number: 0634W009

Sample Date: 8/24/06 Time: 1050

Middle of Saturated Screen Sample Depth (ft. below TOC): 11.75

Method of Extraction:	Method of Sampling:
X Submersible Pump	X 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: Patrick Walters Date: 8/25/06

KLEINFELDER

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

DATE: 08-22-06 WELL ID: UT03MW11A PARCEL: B

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

Size and number of bolts on vault cover: 2 3/4
Specific wrench required? YES/NO (describe): No Threads
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: UT03MW11A Internal Well ID: UT03MW11A

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 Nort
Air venting hole on PVC/inner casing? YES/NO If yes, distance from inner TOC N/A inches
Depth to bottom of well: 19.74 feet Obstructions?:
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: No Threads on bolts

Maintenance performed: NONE

Recommended repairs: New Bolts replacement

Well Inspected by: D. Eldredge / P. Candley

Monitoring Well Sampling Sheet

Sheet 1 of 1

Well No.: UT03MW11K	Day of Week: Tues	Date: 8-22-06
Personnel: D. Elredge/P. Candley	Initial depth to water: 6.63 ft. below top of casing	

Organic Vapor Concentrations

PID Reading 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)
1110	500	0	6.63						
1112	500	1000	6.66	21.56	4.888	1.09	7.65	19.6	9.99
1114	500	2000	6.71	21.49	4.887	1.03	7.64	8.1	6.05
1116	500	3000	6.68	21.49	4.877	0.98	7.66	-2.9	5.41
1118	500	4000	6.68	21.68	4.764	0.82	7.66	-23.5	5.58
1120	500	5000	6.70	21.68	4.702	0.80	7.66	-26.5	4.57
1122	500	6000	6.72	21.65	4.593	0.79	7.66	-27.6	3.04
1124	500	7000	6.71	21.80	4.033	0.95	7.63	-29.8	2.41
1126	500	8000	6.71	21.94	3.529	0.90	7.61	-29.9	1.76
1128	500	9000	6.73	21.81	2.376	0.43	7.57	-17.2	1.20
1130	500	10000	6.72	21.76	2.352	0.42	7.56	-16.7	1.17
1132	500	11000	6.71	21.71	2.338	0.41	7.56	-15.0	1.29

After Sampling Depth to Bottom of Well: 19.74 ~~6.63~~ PC ft. below TOC Purged Dry? NO

Field Measurement Equipment Used

Equipment	Model	Serial Number	Equipment	Model	Serial Number
Water Quality Meter	YSI 556	05L23116 AH	PID	MiniRae	11993
Turbidity Meter	LaMotte	10529	Filter Apparatus	Disposable	NA
Water Level Meter	Heron-style	KA5	Other:		NA
Pump	Grundfos RF2	2473	Other:		

Groundwater Samples Collected (check all that apply)

Metals	X	Organotins		NH3	
PCBs		Oil / Grease		TKN	
Pesticides		Cyanide		Salinity	
Cl 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: 0634D003

Sample Date: 82206 Time: 1150

Middle of Saturated Screen

Sample Depth (ft. below TOC): 13.11

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

QA/QC Samples:

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

(FD) Sample Time 1155 (Rinsate) Sample Time ____

(FD) Sample Number 0634D004 (Rinsate) Sample Number ____

QA/QC Checked by: Patricia Walters Date: 8/23/06

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Appendix D.
Chain-of-Custody Forms

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APPENDIX D – CHAIN-OF-CUSTODY FORMS

THIS APPENDIX IS COMPLETE AS SUBMITTED.

FOR ADDITIONAL INFORMATION, CONTACT:

DIANE C. SILVA, RECORDS MANAGER
NAVAL FACILITIES ENGINEERING COMMAND, SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676
E-MAIL: diane.silva@navy.mil

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. № 22819

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:
H.P.S. / 64148	CYNTHIA RUELAS	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: VOCs (8260)

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)
0634M001		8/21/06	0946	L	3	X
IR30EB558			1025		3	X
0634W001			1310		3	X
IR28EB559			1350		3	X
0634C001			1323		3	X
PA5DEB560			1350		3	X
0634M002			1326		3	X
IR28EB561			1420		3	X
0634D001			1430		3	X
IR28EB562			1453		3	X

Shuttle Temperature: 3.0

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:
	8/22/06	1450					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/23/06	0800	

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 3

C.O.C. № 21240

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: KLEINFELDER / CEZ	Phone: (415) 822-2253	Company Name: KLEINFELDER / CEZ	Phone:
Address:	Fax: (415) 822-1319	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
H.P.S / 64148	Cynthia Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)										Comments
0634D002		8/22/06	0955	L	3	X										
IR06EB563			1030		3	X										
0634C002			1108		3	X										
IR28EB564			1130		3	X										
0634C003			1210		3	X										
0634W002			1015		3	X										
IR06EB565			1055		3	X										
0634W003			1220		3	X										
IR06TB154			1435		3	X										Trip Blanks for VOCs (8260) only

CR 8/22/06

NR 8/22/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/22/06	1450					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/23/06	0810	

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. № 21238

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:
M.P.S. 164148	Cynthia Rucias		Carrier:
Purchase Order Number	Sampler (Signature)	CR 8/22/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (clp)	TPH-p									Comments
0634V001		8/22/06	1040	L	6	X	X									
0634V002		↓	1045	↓	6	X	X									
0634M003			0944		6	X	X									
0634M004			0949		6	X	X									
0634M005			1142		6	X	X									
0634D003			1150		6	X	X									
0634D004			1155		6	X	X									
TR07TB153		↓	1430	↓	6	X	X									Trip Blanks for VOCs (clp) only and TPH-p
		CR 8/22/06														

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 retention)

Relinquished by sampler	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/22/06	1450					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/23/06	0800	

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. № 22825

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: KLEINFELDER / CEL	Phone: (415) 822-2253	Company Name: KLEINFELDER / CEL	Phone:
Address:	Fax: (415) 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
H.P.S. / L4148	CYNTHIA RUELAS		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e
0634V001		8/22/06	1040	L	2	X
0634V002		↓	1045	↓	2	X
0634M003		↓	0944	↓	2	X
0634M004		↓	0949	↓	2	X
0634M005		↓	1142	↓	2	X

CR 8/22/06

CR 8/22/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	8/22/06	1330					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/23/06	0800	

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. № 22820

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:
	CYNTHIA RUCLAS		Carrier:
Purchase Order Number: H.P.S. / 64148	Sampler (Signature):		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Organochlorines	Pest	PCBs								
0634C001		8/21/06	1323	L	2	X										
PA50EB56D		↓	1350	↓	2	X										
0634M002		↓	1326	↓	3		X	X								
IR28EB561		↓	1420	↓	3		X	X								

CR 8/22/06

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:
	8/22/06	1100					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/23/06	0800	

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. № 21239

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:
H.P.S. / 64148	CYNTHIA RIVERAS		Carrier:
Purchase Order Number	Sampler (Signature)	CK 8/22/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-g
0634D003		8/22/06	1150	L	2	X
0634D004		↓	1155	↓	2	X
0634M006		↓	1420	↓	2	X
0634D005		↓	1445	↓	2	X
IR07EB567		↓	1510	↓	2	X

CK 8/22/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/22/06	1535					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/23/06	0800	

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. № 22824

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:
H.P.S. / ~~[illegible]~~ 64148	GINNIA RUELAS		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Dissolved Metals (dp)	Hex Chrom (7199)	TSS									Comments
0634V001		8/22/06	1040	L	3	X	X	X									
0634V002			1045		3	X	X	X									
0634M003			0944		3	X	X	X									
0634M004			0949		3	X	X	X									
0634M005			1142		3	X	X	X									
0634D003			1150		3	X	X	X									
0634D004			1155		3	X	X	X									
0634M006			1420		3	X	X	X									
0634D005			1445		3	X	X	X									
IR07EB567			1510		~~3~~ 2	X	X										2 containers

CR 8/22/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/22/06	1540					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/23/06	0840	

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. № 22823

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:
H.P.S. 164148	CYNTHIA RUELAS		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	cyanide									
0634C001		8/21/06	1323	L	1	X									
PA50EB560		↓	1350	1	1	X									

CR 8/22/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/22/06	1540					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/23/06	0800	

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 3

C.O.C. № 21248

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:
H.P.S. / 64148	CYNTHIA RUELAS		Carrier:
Purchase Order Number	Sampler (Signature)	CR 8/23/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)
0634M008		8/23/06	0923	L	3	X
0634M009			1045		3	X
0634M010			1211		3	X
IR58EB569			1230		3	X
IR58TB156			1420		3	X

CR 8/23/06

Shuttle Temperature: 3.5

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:
	8/23/06	1430					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/24/06	0800	

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. № 21241

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:
H.P.S. / 64148	CYNTHIA RUELAS		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (dp)	TPH-p									
0634M006		8/22/06	1420	L	6	X	X									
0634D005		↓	1445	↓	6	X	X									
IR07EB507		↓	1510	↓	6	X	X									
0634V004		8/23/06	0955	↓	6	X	X									
0634W006		↓	1210	↓	6	X	X									
0634C008		↓	1120	↓	6	X	X									
0634D007		↓	1130	↓	6	X	X									
IR10TB155		↓	1415	↓	6	X	X									

CR 8/22/06

CR 8/23/06

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:
	8/23/06	1430					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/24/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22843

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfelder / CE2	Phone: 415-877-2253	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	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	1,4 Dioxane										
0634D007		8/23/06	1130	L	2	X											
1R/OEB571		↓	1531	↓	2	X	X										SF 8/25/06
0634D008		↓	1445	↓	2	X	X										

CR 8/23/06

CR 8/23/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/23/06	1610					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/24/06	1800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
4203 W. Swift
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Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 21250

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:
H.P.S. / 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	TPH-e	*SVOCs-B(a)A, B(a)P, B(b)F, B(k)F, chrysene, D(ah)A, I(1,2,3-cd)P (clp)	Pest-chlordane only (clp)	PCBs-Aroclor 1260 only (clp)	
0634V004		8/23/06	0955	L	2	X				
0634W005		↓	0940	↓	4		X	X	X	
0634W006		↓	1210	↓	2	X				
0634C008		↓	1120	↓	2	X				

CR 8/23/06

CR 8/23/06

*SVOCs - B(a)A, B(a)P, B(b)F, B(k)F, chrysene, D(ah)A, I(1,2,3-cd)P only (clp)

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/23/06	1345					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/24/06	0830	

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. № 21247

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:
H.P.S / 64148	CYNTHIA RUELAS		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Salinity	TDS
0634M007		8/23/06	0917	L	1	X	X
0634M008		↓	0923	↓	1	X	X
0634M009		↓	1045	↓	1	X	X
0634M012		↓	1511	↓	1	X	X

CR 8/23/06

CR 8/23/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	8/23/06	1600					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/24/06	0803	

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. № 22828

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:
64148/HPS	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	1,4-Dioxane	8260B
0634D006		8/23/06	0923	L	2	X	
0634M007		↓	0917	↓	2		X
0634M008		↓	0923	↓	2		X
0634M009		↓	1045	↓	2		X

CR 8/23/06

CR 8/23/06

Shuttle Temperature: 3.0

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	8/23/06	1400					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/24/06	0800	

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. № 21249

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: KLEINFELDER / CEC	Phone: (415) 822-2253	Company Name: KLEINFELDER / CEC	Phone:
Address:	Fax: (415) 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
H.P.S. / 64148	CYNTHIA RUELAS	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments: All metals were field filtered

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals (clp)	Hex Chrom (7199)	TSS	*Diss. Metals - As, Cr, Cu, Pb, Mn, Hg, Zn only (clp)
0634V004		8/23/06	0955	L	3	X	X	X	
0634W005		↓	0940	↓	3		X	X	X
0634W006			1210		3	X	X	X	
0634C008			1120		3	X	X	X	
0634D007		↓	1130	↓	3	X	X	X	

*Dissolved Metals - As, Cr, Cu, Pb, Mn, Hg, Zn only (clp)

CR 8/23/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
CR	8/23/06	1600					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/24/06	0800	

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. № 22842

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/104148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	Comments
0634V003		8/22/06	1435	E	3	X	
PA28EB5606			1455		3	X	
0634C004			1425		3	X	contains effervescents
0634C005			1430		3	X	contains effervescents
0634C006			1527		3	X	
0634C007		8/23/06	0930		3	X	
IR58EB5608 SF 8/25/06			1005		3	X	
0634W004		8/22/06	1435		3	X	
0634D006		8/23/06	0923		3	X	
0634M007			0917		3	X	

CR 8/23/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
7.5	☒ 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	8/23/06	1430					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/24/06	0800	

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. № 22851

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 Rivelsa	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										Comments
0634M011		8/23/06	1411	L	9	X											MS/MSD
0634W007		↓	1445	↓	3	X											
IR28EB570			1530		3	X											
0634M012			1511		3	X											
0634C009		↓	1510		9	X											MS/MSD
0634G001		8/24/06	0930		6	X	X										
0634G002			1053		6	X	X										
IR01TB158			1405		6	X	X										Trip Blanks
0634D011			1411		3	X											
IR28EB573		↓	1445	↓	3	X											

CR 8/24/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
CR	8/24/06	1540					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/25/06	0800	

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 3

C.O.C. № 22850

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/ 164148	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	VOCs (cdp)	VOCs (8260)	TPH-p									Comments
0634D008		8/23/06	1445	L	3	X					CR						
IR10EB571			1531		3	X											
0634V005			1345		9		X					8/24/06					MS/MSD
0634V006			1500		3		X										
IR10EB572			1530		3		X										
0634W008		8/24/06	0930		6	X		X									
0634W009			1050		6	X		X									
0634M013			0919		6	X		X									
0634M014			1045		6	X		X									
IR25TB157			1400		6	X		X									Trip Blanks

Shuttle Temperature: 4.0

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:
	8/24/06	1540					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/25/06	0800	

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 8 of 3

C.O.C. № 22833

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): Cynthia Rivelas	Date Shipped:
HPB/64148		Carrier:
Purchase Order Number	Sampler (Signature): CR	Waybill No.:
		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (dp)	TPH-p									
~~0634W010~~		~~8/24/06~~	~~1415~~	~~L~~	~~6~~	~~X~~	~~X~~	cancel analysis per email 8-28-06								
0634M015		↓	1422	↓	X6	X	X									* 8/25/06 SF

CR 8/24/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
CR	8/24/06	1540					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/25/06	08:00	

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. № 22834

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	Cynthia Rivelus		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs - B(a)A, B(a)P, B(b)F, B(k)F, chrysene, D(ah)A, I(1,2,3-cd)P (clp)	Pest - chlordane only (clp)	PCBs - Aroclor 1260 (clp)
0634H001		8/24/06	1000	L	4	X	X	X
0634H002		↓	1120	↓	4	X	X	X
0634D009		↓	0955	↓	4	X	X	X
0634D010		↓	1225	↓	4	X	X	X

CR 8/24/06

* SVOCs - B(a)A, B(a)P, B(b)F, B(k)F, chrysene, D(ah)A, I(1,2,3-cd)P (clp)

CR 8/24/06

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:
	8/24/06	1330					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/25/06	1800	

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. № 22836

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: (415) 822-8253	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 Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals	cyanide	Anions	NH_3-N	TKN	TSS	Sulfide				
0634G001		8/24/06	0930	L	5	X	X	X	X	X	X	X				
0634G002		↓	1053	↓	5	X	X	X	X	X	X	X				

CR 8/24/06

CR 8/24/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/24/06	1545					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/25/06	08w	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fresno, CA 93722

Phone: (559) 275 2175

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CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 22837

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 Rudas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Oil / Grease
0634G001		8/24/06	0930	L	2	X
0634G002		↓	1053	↓	2	X

CR 8/24/06

CR 8/24/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/24/06	1545					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/25/06	08 00	

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. № 22840

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:
HPS / 64148	Cynthia Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
	[signature]		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals (clp)	Hex Chrom (7199)	TSS	Diss. Metals	*Diss Metals - As, Cr, Cu, Pb, Mn, Hg, Zn only (clp)						Comments: All metals were field filtered.
0634W008		8/24/06	0930	L	3	X	X	X								
0634W009		↓	1050	↓	3	X	X	X								
0634M013		↓	0919	↓	2	X	X	X								8/25/06 * added per client
0634M014		↓	1045	↓	3		X	X	X							
0634H001		↓	1000	↓	3		X	X		X						*Dissolved Metals - As, Cr, Cu, Pb, Mn, Hg, Zn only (clp)
0634H002		↓	1120	↓	3		X	X		X						
0634D009		↓	0955	↓	3		X	X		X						
0634D010		↓	1225	↓	3		X	X		X						
				8/24/06												

CR 8/24/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	8/24/06	1550					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at Lab by:
					8/25/06	0800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

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Fresno, CA 93722

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C.O.C. № 22835

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name Kleinfelder/CE2	Phone: (415) 822-2253	Company Name ~~By~~ 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 Ruelas		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	TPH-e						
0634G001		8/24/06	0930	L	5	X	X	X	X	X						
0634G002		↓	1053	↓	5	X	X	X	X	X						

CR 8/24/06

CR 8/24/06

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:
	8/24/06	1230					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/25/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

C.O.C. № 22839

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)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-g
0634W008		8/24/06	0930	L	2	X
0634W009		↓	1050	↓	2	X
0634M013		↓	0919	↓	2	X
0634M014		↓	1045	↓	2	X

CK 8/24/06

CK 8/24/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/24/06	1255					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/25/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p 2 of 2

C.O.C. № 22831

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 Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments: All metal samples were field filtered.

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals (CLP)	Hex Chrm (7199)	TSS								
~~0634W010~~		~~8/24/06~~	~~1415~~	~~L~~	~~3~~	~~X~~	~~X~~	~~X~~	cancel analysis per email 8-28.corp							
0634M015		↓	1422	↓	3	X	X	X								
~~06~~ 8-24-06 IR06EB574		↓	1530	↓	2	X	X									
IR07EB575		↓	1540	↓	2	X	X									

CR 8/24/06

CR 8/24/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/24/06	1550					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/25/06	0840	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

C.O.C. № 22832

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEA	Phone: (415) 822-2253	Company Name: Kleinfelder/CEA	Phone:
Address:	Fax: (415) 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Cynthia Rivera		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs (clp)	Pest (clp)	PCBs (clp)	TPH-e							Comments
~~0634W010~~		~~8/24/06~~	~~1415~~	~~L~~	~~5~~	X	X	X	X	cancel analysis per email						8-28-06 rp
0634M015		↓	1422	↓	5	X	X	X	X							

CR 8/24/06

CR 8/24/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
CR	8/24/06	1530					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/25/06	0830	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 1 of 4

C.O.C. № 22847

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:
H.P.S. / 64148			Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)											Comments
0634W011		8/25/06	0910	L	3	X											
IR28EB580			0940		3	X											
0634W012			1015		3	X											
0634M016			1030		9	X											MS/MSD
0634M017			1127		3	X											
IR15EB581			1153		3	X											
0634W013			1135		3	X											
0634W014			1145		3	X											
0634G005			0923		9	X											MS/MSD
IR03EB582			0945		3	X											

CP 8/25/06

Shuttle Temperature: 8.0

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]	8/25/06	1435					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/26/06	1409	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p 2 of 4

C.O.C. № 22849

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 / 641148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)
0634HD03		8/24/06	1355	L	3	X
IR28EB577		↓	1425	↓	3	X
0634H004		↓	1515	↓	3	X
0634H006		8/25/06	1034	↓	3	X
0634H007		↓	1039	↓	3	X
IR28EB578		↓	1100	↓	3	X
~~0634D012~~			~~0918~~		~~3~~	~~X~~ cancel analysis per email
~~0634D013~~			~~0925~~		~~3~~	~~X~~ 8-28-06 rp
0634D014		↓	1025	↓	3	X
IR28EB579		↓	1040	↓	3	X

CE 8/25/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
5.0	☒ 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:
	8/25/06	1435					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/26/06	1409	

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 4

C.O.C. № 22845

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:
H.P.S. / 64148	Cynthia Prelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-g									Comments
0634G006		8/25/06	1040	L	6	X	X									
0634G007			1158		3	X										
0634D015			1215		3	X										
~~0634H008~~			~~1208~~		~~3~~	~~X~~	cancel analysis per email 8-28-06 rp									
IR28TB160			1430		6	X	X									Trip Blanks (for VOCs (8260) + TPH-g)

CR 8/25/06

CR 8/25/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
5.0	☒ 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:
	8/25/06	1435					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/26/06	1409 8/26	

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

p. 4 of 4

C.O.C. № 22803

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/16448	Cynthia Rudas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (clp)	TPH-p	VOCs (8260)								Comments
IR07EB575		8/24/06	1540	L	6	X	X									
IR06EB574		↓	1530	↓	6	X	X									
0634G003		↓	1348	↓	3			X								
IR10EB576		↓	1408	↓	3			X								
0634G004		↓	1510	↓	3			X								
0634H005		8/25/06	0912	↓	9	X										MS/MSD
IR10TB159		↓	1425	L	6	X	X									Trip Blanks (for VOCs (clp) + TPH-p)

CR 8/25/06

CR 8/25/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
5.0	☒ 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:
CR	8/25/06	1435					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/26/06	1409	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 22830

Report to: (PLEASE PRINT)		Invoice to: (PLEASE PRINT)	
Company Name: Kleinfelder / CEA	Phone: (415) 822-2253	Company Name: Kleinfelder / CEA	Phone:
Address:	Fax: (415) 822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/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 (clp)	Pest (clp)	PCBs (clp)	TPH-e						
IR07EB575		8/24/06	1540	L	5	X	X	X	X						
IR06EB574		↓	1530	↓	5	X	X	X	X						

CR 8/25/06

CR 8/25/06

Shuttle Temperature: 3.0

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:
	8/25/06	1210					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/26/06	1409	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p 1 of 2

C.O.C. № 22848

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: Metal samples are field filtered.

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Salinity	TDS	Diss. Metals	TSS							
0637H004		8/24/06	1515	L	1	X	X									
0634G006		8/25/06	1040		2			X	X							
0634G007			1158		2			X	X							

CR 8/25/06

CR 8/25/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	8/25/06	1450					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/26/06	1409	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

APPL, Inc.
4203 W. Swift
Fresno, CA 93722

Phone: (559) 275 2175

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CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 22846

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:
H.P.S. 64148	Cynthia Fuelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	Pest	PCBs	TPH-D							Comments
0634G006		8/25/06	1040	L	4	X	X	X	X							no breakage noted
0634G007		↓	1158	↓	3	X		X								

CR 8/25/06

LR 8/25/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	8/25/06	1450					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/26/06	1407	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 1 of 3

C.O.C. № 22802

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)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-g
0634D016		8/25/06	1445	L	3	X	
0634W015			1450		3	X	
0634G008			1456		3	X	
0634M018			1422		3	X	
0634H008			1451		3	X	
0635G009		8/28/06	0922		6	X	X
0635G010			1050		6	X	X
0635D017			0948		6	X	X
0635D018			1133		6	X	X
0635H012			1128		3	X	

CR 8/28/06

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	8/28/06	1515					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at Lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 2 of 3

C.O.C. № 22889

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 Rudas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-p										Comments
IR75TB162		8/28/06	1405	L	6	X	X										Trip Blanks for VOCs (8260) + TPH-p on COC 22802 + this COC
0635M020		↓	1350	↓	3	X											
0635H013		↓	1407	↓	3	X											

CR 8/28/06

8/28/06

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:
	8/28/06	1515					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 3 of 3

C.O.C. № 22801

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfelder / CE2	Phone: 415-822-2753	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	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (dp)	TPH-p										Comments
0635M019		8/28/06	0914	L	6	X	X										
IR18TB161		↓	1400	↓	6	X	X										Trip Blanks for VOCs(dp) + TPH-p on this COC.

CK 8/28/06

CK 8/28/06

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:
	8/28/06	1515					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 22822

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:
H.P.S. / 64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs (clp)	Pest (clp)	PCBs (clp)	TPH-e							
0635MD19		8/28/06	0914	L	5	X	X	X	X							

CR 8/28/06

CR 8/28/06

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:
CR	8/28/06	1511					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/29/06	08W	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 22887

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	organotins										Comments
0635M020		8/28/06	1350	L	1	X										no breakage amber

CR 8/28/06

CR 8/28/06

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:
CR	8/28/06	1511					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 1 of 2

C.O.C. № 22854

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)
HPS/64148	Cynthia Rudas		

Date Shipped:
Carrier:
Waybill No.:
Comments: All metal samples were field filtered

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals-Cr only	Hex Chrom (7199)	TSS	Anions	Cyanide	Dissolved Metals	NH3-N	TKN	Sulfide	CR 8/28/06
0635H009		8/28/06	0912	L	3	X	X	X							
0635H010		↓	1010	↓	3	X	X	X							
0635H011		↓	1015	↓	3	X	X	X							
0635G009		↓	0922	↓	5			X	X	X	X	X	X	X	
0635G010		↓	1050	↓	5			X	X	X	X	X	X	X	
0635D017		↓	0948	↓	5			X	X	X	X	X	X	X	
0635D018		↓	1133	↓	5			X	X	X	X	X	X	X	
					CR 8/28/06										

Shuttle Temperature: 3.0

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:
	8/28/06	1330					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

p. 2 of 2

C.O.C. № 22853

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/124148	Cynthia Ruelle		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								
0635M019		8/28/06	0914	L	3	X	X	X								

CR 8/28/06

CR 8/28/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/28/06	1330					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

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C.O.C. № 22891

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 Fuelles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Oil/Grease
0635G009		8/28/06	0922	L	2	X
0635G010		↓	1050	↓	2	X
0635D017		↓	0948	↓	2	X
0635D018		↓	1133	↓	2	X

CR 8/28/06

CR 8/28/06

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:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/28/06	1350					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22890

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder CEA	Phone: 415-822-2253	Company Name: Kleinfelder/CEA	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPSJ 64148	Cynthia Pulas		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	TPH-c	organotins					
0635D017		8/28/06	0948	L	5	X	X	X	X	X						
0635D018		↓	1133	↓	6	X	X	X	X	X	X					
			PW 8/28/06													

PW 8/28/06

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:
	8/28/06	1322					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

APPL, Inc.
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Fresno, CA 93722

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C.O.C. № 22892

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 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	OCl Pest	OP compds	PCBS	TPH-e						
0635G009		8/28/06	0922	L	5	X	X	X	X	X						
0635G010		↓	1050	↓	5	X	X	X	X	X						

CR 8/28/06

CR 8/28/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	8/28/06	1250					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/29/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

C.O.C. № 22884

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 Rudas		Carrier:
Purchase Order Number	Sampler (Signature)	CR 8/29/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Oil/Grease	organotins
0635G014		8/29/06	0922	L	2	X	
0635G015			1057		2	X	
0635D020			1118		2	X	
IR11EB584			1000		2		X
0635D021			1339		2	X	

CR 8/29/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/29/06	1515					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/30/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Fax: (559) 275-4422

CHAIN OF CUSTODY RECORD

C.O.C. № 22881

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 Rudas	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	OCP Pest	PCBs	OPCompds	TPH-e						
0635D020		8/29/06	1118	L	5	X	X	X	X	X						
0635D021		↓	1339	↓	5	X	X	X	X	X						

CR 8/29/06

CR 8/29/06

Shuttle Temperature: 3.5

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:
	8/29/06	1502					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/30/06	0800	

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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CHAIN OF CUSTODY RECORD

C.O.C. № 22885

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 Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	PCBs	OP Cmpds	TPH-e	OC Pest						Comments
0635G014		8/29/06	0972	L	65	X	X	X	X	X						5 containers
0635G015		↓	1057	↓	5	X	X	X	X	X						

CR 8/29/06

CR 8/29/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CRes	8/29/06	1340					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/30/06	0800	

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. № 22877

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 Rueles	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments: diss metals were field filtered

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs-clp	Pest-clp	PCBs-clp	TPH-e	Diss metals-clp	Hex Chrom	TSS				
0635M023		8/29/06	1418	L	8	X	X	X	X	X	X	X				
1R07EB587		↓	1520	↓	6	X	X	X	X	X	X					6 containers

PW 8/29/06

PW 8/29/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/29/06	1530					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/30/06	0800	

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. № 22879

PLEASE PRINT

Report to:
Company Name: Kleinfelder / CE2
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

PLEASE PRINT

Invoice to:
Company Name: Kleinfelder / CE2
Address:
Attn:
Phone:
Fax:

Project Name/Number: HPS / 64148
Purchase Order Number:
Sampler (Print): Cynthia Rueles
Sampler (Signature): [signature]

Date Shipped:
Carrier:
Waybill No.:
Comments: diss metals were field filtered

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	SVOCs (clp)	Pest (clp)	PCBs (clp)	diss metals (6010B)	Cyanide	Sulfide	Anions	NH3-N/TKN	TSS	
0635M021		8/29/06	1028	L	2	X										
0635M022		↓	1142	↓	5	X	X	X	X							
0635D021		↓	1339	↓	5					X	X	X	X	X	X	

TW 8/29/06

Shuttle Temperature: 4.5

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]	8/29/06	1530					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/30/06	0840	[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. № 22886

PLEASE PRINT

Report to:
Company Name: Kleinfelder/CEZ
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

Invoice to:
Company Name: Kleinfelder/CEZ
Address:
Attn:
Phone:
Fax:

Project Name/Number: HPS/64148
Purchase Order Number:
Sampler (Print): Cynthia Rueles
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (CLP)	VOCs (8260)	TPH-p
0635G011		8/25/06	1357	L	3	X		
IR10E8583		↓	1420	↓	3	X		
0635G012		↓	1444	↓	3		X	
0635G013		↓	1500	↓	3		X	
0635D019		↓	1440	↓	3		X	
0635G014		8/29/06	0922	↓	6		X	X
0635G015		↓	1057	↓	6		X	X
0635M021		↓	1028	↓	6	X		X
0635M022		↓	1142	↓	6	X		X
0635H015		↓	1143	↓	3		X	

CR 8/29/06

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:
	8/29/06	1545					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/30/06	0800	

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. № 22880

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kennfelder / CE2	Phone: 415-822-2253	Company Name: Kennfelder / 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 (8260)	TPH-g	VOCs (dp)	
IR11EB584		8/29/06	1000	L	3	X			
0635D021		↓	1339	↓	6	X	X		
IR06TB163		↓	1536	↓	6		X	X	
IR01TB164		↓	1540	↓	6	X	X		
IR28EB585		8/29/06	0941	L	3	X			

CR 8/29/06

CR 8/29/06

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:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/29/06	1545					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/30/06	0800	

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. № 22882

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEZ	Phone: 415-822-2253	Company Name: Kleinfelder/CEZ	Phone:
Address:	Fax: 415-822-1379	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Cynthia Rueles	Carrier:
Purchase Order Number	Sampler (Signature)	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	Sulfide	anions	NH3-N/TKN	TSS	Dissolved Metals (dp)	Hex Chrom (7199)	Diss. Metals Cr only		
0635G014		8/29/06	0922	L	5	X	X	X	X	X	X					
0635G015			1057		5	X	X	X	X	X	X					
0635D020			1118		5	X	X	X	X	X	X					
0635M021			1028		3						X	X	X			
0635M022			1142		3						X	X	X			
0635H014			1040		9						X		X	X		MS/MSD
0635H015			1143		3						X		X	X		

CR 8/29/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/29/06	1525					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/30/06	0800	

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. № 22894

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/16148	Cynthia Rudolph		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 (clp)									Comments
IR10EB586		8/29/06	0945	L	3	X											
0635D020			1118		6	X	X										
0635M023			1418		6		X	X									
IR07EB587			1520		6		X	X									
IR01EB588			1500		6	X	X										
0635G017			1504		9	X											MS/MSD
IR36EB589			1525		3	X											
0635H016			1349		6	X	X										
0635H017			1500		3	X											
IR28EB590			1530		3	X											

CE 8/30/06

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:
	8/30/06	1530					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/31/06	0810	

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 3

C.O.C. № 22895

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CE2	Phone: 415-822-2253	Company Name: Kleinfelder / CE2	Phone:
Address:	Fax: 415-822-1529	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64448	Stephen Rodas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (clp)	VOCs (8260)	TPH-p									Comments
0635D022		8/30/06	0930	L	3	X											
IR10EB591			1000		3	X											
0635D023			1110		3	X											Sample ID: 0635D023
0635B001			0938		3		X										
0635B002			0942		3		X										
0635B003			1120		3		X										
0635S001			0950		6		X	X									
0635S002			1130		6		X	X									
0635M0284			0916		6		X	X									
0635M0285			1115		6		X	X									

8/30/06

Shuttle Temperature: 3.5

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:
	8/30/06	1530					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/31/06	0800	

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. № 22901

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfelder/CE2	Phone: 415-812-2253	Company Name: Klenfelder/CE2	Phone:
Address:	Fax:	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	VOCs (clp)	TPH-p	VOCs (8260)	
IR07TB165		8/31/06	1518	L	6	X	X		
IR01TB16886 SF 8/31/06		↓	1520	↓	6		X	X	

CE 8/30/06

CE 8/30/06

Shuttle Temperature: 3.5

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:
	8/30/06	1530					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/31/06	0800	

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. № 22873

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)
HPS/64148	Cynthia Rueles		

Analysis Requested/Method Number: Pest, SVOCs, PCBs, TPH-e, Oil/Grease

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Pest	SVOCs	PCBs	TPH-e	Oil/Grease							Comments
0635G016		8/29/06	1344	L	4	X											MS/MSD
0635H016		↓	1349		4		X	X	X								
0635S001		8/30/06	0950		2					X							

CR 8/30/06

CR 8/30/06

Shuttle Temperature: 3.5°

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:
	8/30/06	1300					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/31/06	0800	

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. № 22875

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 Puelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	[signature]	Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	Oil Pest	OP cmpds	PCBs	TPH-e	oil/Grease					
IR01EB588		8/29/06	1500	L	7	X	X	X	X	X	X					
0635S002		8/30/06	1130	↓	2						X					

CR 8/30/06

CR 8/30/06

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:
[signature]	8/30/06	1318					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/31/06	1800	[signature]

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. № 22896

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)	Date Shipped:
HPS/64148	Cynthia Ruebos	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: SVOCs, TPH-e, OCl Pest, OP Cmpds, PCBs

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	TPH-e	OCl Pest	OP Cmpds	PCBs
06355001		8/30/06	0950	L	5	X	X	X	X	X
06355002		↓	1130	↓	5	X	X	X	X	X

CR 8/30/06

CR 8/30/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/30/06	1315					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/31/06	0800	

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. № 22874

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 Puelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	[signature]	Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. (6010B/Metals 7470A)	Cyanide	NH_3-N/TKN	Anions	TSS	Sulfide	Diss. Metals Cr only	Hex Chrom (7199)				Comments
IR01EB588		8/29/06	1500	L	5	X	X	X	X	X	X						All metal samples were field filtered
0635H018		8/30/06	0925	↓	3					X		X	X				
0635H019 MS/MSD*		↓	1038	↓	12		X			X		X	X				*SF 8-31-06 per client
0635S001		↓	0950	↓	5	X	X	X	X	X	X						
0635S002		↓	1130	↓	5	X	X	X	X	X	X						

CR 8/30/06

CR 8/30/06

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]	8/30/06	1316					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/31/06	1800	[signature]

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. № 22900

PLEASE PRINT

Report to:
Company Name: Klenfelder/CE2
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-1329

PLEASE PRINT

Invoice to:
Company Name: Klenfelder/CE2
Address:
Attn:
Phone:
Fax:

Project Name/Number: HPS/64148
Purchase Order Number:
Sampler (Print): Cynthia Rivas
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments: All metal samples were field filtered

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Dissolved Metals (6010B) 7470A	Cyanide	Arsenic	TSS	Sulfide	NH3-N/TKN	Diss. Metals (Hg only)				
0635M024		8/30/06	0916	L	5	X	X	X	X	X	X					
0635M025		↓	1115	↓	5	X	X	X	X	X	X					
0635D026		↓	1500	↓	2				X			X				

CC 8/30/06

CC 8/30/06

Shuttle Temperature: 3.0

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:
	8/30/06	1553					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/31/06	0800	

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. № 22897

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
Hunters Point/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	TPH-e	OCl Pest	OP cmpds	PCBs						
0635M0Z4		8/30/06	0916	L	5	X	X	X	X	X						
0635M0Z5		↓	1115	↓	5	X	X	X	X	X						

CR 8/30/06

CR 8/30/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/30/06	1515					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					8/31/06	0800	

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. № 22898

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:
HPS/104148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Oil/Grease	Pest	SVOCs							
0635M002		8/30/06	0916	L	2	X									
0635M005			1115		2	X									
0635D024			1340		2		X								
0635D025			1350		2		X								
0635D026			1500		2			X							

CR 8/30/06

CR 8/30/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/30/06	1518					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					8/31/06	0800	

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. № 22902

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 / CE 2
Address
Attn:
Phone:
Fax:

Project Name/Number: HPS 164148
Purchase Order Number:
Sampler (Print): Cynthia Rueles
Sampler (Signature):

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-P										
0635D024		8/30/06	1340	L	3	X											
0635D025			1350		3	X											
0635D026			1500		3	X											
0635H020			1345		6	X	X										
0635S003			1430		3	X											
0635M026			1443		3	X											sample ID: 0635M026
0635H021			1450		6	X	X										
0635B004			1508		3	X											
IR28EB592			1515		6	X	X										
IR28EB593			1545		3	X											

CE 8/31/06

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:
	8/31/06	1533					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/1/06	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 3

C.O.C. № 22903

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:
HP/64148	Cynthia Rudes	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	[signature]	Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)	TPH-p	VOCs (dp)									Comments
IR28EB594		8/30/06	1505	L	3	X											*SF 9-5-06
IR28EB595		↓	1519		3	X											
0635M027		8/31/06	0855		6	X	X										
0635M028			1008		6	X	X										
0635S004			0925		6	X	X										
0635D027			0918		6		X	X									6 containers
0635H022			0910		3	X											
0635H023			1025		3	X											
0635H024			1200		3	X											
0635M029		↓	1303	↓	6	X	X										

CR 8/31/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
30	☒ 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:
[signature]	8/31/06	1533					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/1/06	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 3 of 3

C.O.C. № 22910

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEI	Phone: 415-522-2253	Company Name: Kleinfelder/CEI	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 (8260)	TPH-g	VOCs (cfp)								
063SM030		8/31/06	1308	L	6	X	X									
IR46TB167		↓	1528	↓	6		X	X								
IR56TB168		↓	1530	↓	6	X	X									

CR 8/31/06

CR 8/31/06

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:
	8/31/06	1533					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/1/06	800	

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. № 22906

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kennfelder/CG2	Phone: 415-822-2253	Company Name: Kennfelder/CG2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/ 6.4148	Cynthia Rulas	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. (GOLDB) Metals 7470A	Cyanide	NH_3-N	TKN	Sulfide	TSS	Anions	Diss. Metals (cdp)	Hex Chrom (7199)	Diss. Metals - Cr only	salinity/TDS
0635M027		8/31/06	0855	L	5	X	X	X	X	X	X	X				
0635M028		↓	1008	↓	5	X	X	X	X	X	X	X				
06355004		↓	0925	↓	5	X	X	X	X	X	X	X				
0635D027		↓	0918	↓	3						X		X	X		
0635H022		↓	0910	↓	3						X			X	X	X
0635H023		↓	1025	↓	3						X			X	X	X

CG 8/31/06

Shuttle Temperature: 3.5°

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:
CG	8/31/06	1502					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9-1-06	800	[illegible]

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. № 22908

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klemfelder / CE2	Phone: 415-822-2253	Company Name: Klemfelder / CE2	Phone:
Address:	Fax: 415-822-3329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Purchase Order Number	Sampler (Signature)
HPS/64148	Cynthia Rueles		

Analysis Requested/Method Number: Dissolved Metals - Mo only; TSS

Date Shipped:
Carrier:
Waybill No.:
Comments: All metal samples were field filtered

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Dissolved Metals - Mo only	TSS
0635H024		8/31/06	1200	L	2	X	X

CR 8/31/06

CR 8/31/06

Shuttle Temperature: 3.5°

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]	8/31/06	1502					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/1/06	800	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

CHAIN OF CUSTODY RECORD

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Fresno, CA 93722

Phone: (559) 275 2175

Fax: (559) 275-4422

C.O.C. № 22909

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CH2	Phone: 415-822-2253	Company Name: Kleinfelder/CH2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Pest	SVOCs	TPH-e							
0635H024		8/31/06	1200	L	2	X									
0635M029		↓	1303	↓	3		X	X							
0635M030		↓	1308	↓	3		X	X							

Analysis Requested/Method Number

CR 8/31/06

CR 9/1/06

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 (90-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/31/06	1522					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-1-06	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

C.O.C. № 22904

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 Rudolph		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-g	oil/Grease									
0635H020		8/30/06	1345	L	2	X										
0635H021		↓	1450	↓	2	X										
IR28EB592		↓	1515	↓	2	X										
0635M027		8/31/06	0855	↓	2		X									
0635M028		↓	1008	↓	2		X									

CR 8/31/06

CR 8/31/06

Shuttle Temperature: 3°

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 sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	8/31/06	1315					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/1/06	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. № 22905

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 Rulas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: SVOCs, PCBs, OCL Pest, OP cmpds, TPH-e

CR 8/31/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	PCBs	OCL Pest	OP cmpds	TPH-e
0635M027		8/31/06	0855	L	5	X	X	X	X	X
0635M028		↓	1008	↓	5	X	X	X	X	X

CR 8/31/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4°	☒ 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:
	8/31/06	1336					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-1-06	800	

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

C.O.C. № 22907

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Heinfeldor/CE2	Phone: 415-822-2253	Company Name: Heinfeldor/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HPS/64148	Cynthia Fields	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	Oil Pest	OP Cmpds	PCBs	TPH-e	Oil/Grease					
0635S004		8/31/06	0925	L	7	X	X	X	X	X	X					
0635D027		↓	0918	↓	2					X						

CR 8/31/06

CR 8/31/06

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 8/31/06	Time 1409	Received by:	Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date 9-1-06	Time 800	Received at lab by:

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. № 22911

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 Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs											
0635B005		8/31/06	0930	L	3	X											
0635B006			1217		3	X											
0635B007			1510		3	X											
IR28EB596			1545		3	X											
0635H025			1440		3	X											
IR36EB597			1505		3	X											
0635D028			1055		3	X											
0635D029			1105		3	X											
IR36EB598			1125		3	X											
~~IR36~~ no given 0635D030			1512		9	X											~~MS/MSD~~ SF 9-5-06 per client

CR 9/1/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	9/1/06	1335					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					09/02/06	1345	Libby Anderson

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 3

C.O.C. № 22913

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)
HPS/64148	Cynthia Rivas
Purchase Order Number	Sampler (Signature)

Analysis Requested/Method Number: VOCs

Date Shipped:
Carrier:
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	Comments
06358005		8/31/06	1505	L	8	X	~~MS/MSD~~ 8 VOAs *
PA36EB599		↓	1525	↓	3	X	
0635M031		↓	1409	↓	3	X	*SF 9-5-06 per client
~~IR04HW9~~ IR04EB600		↓	1446	↓	3	X	
0635B008		9/1/06	0845	↓	9	X	~~MS/MSD~~ *
0635B009		↓	1042	↓	3	X	
0635B010		↓	1044	↓	3	X	
IR36EB601		↓	1119	↓	3	X	
0635D031		↓	0835	↓	3	X	
IR36EB602		↓	0859	↓	3	X	

CR 9/1/06

Shuttle Temperature: 4.0

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:
	9/1/06	1335					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					09/02/06	1345	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. 3 of 3

C.O.C. № 22914

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: VOCs, TPH-g

CR 9/1/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-g	Comments
0635D032		9/1/06	1100	L	6	X	X	
0635H026			0836		9	X		MS/MSD add per client's fax 9-5-06 rp
0635H027			1050		3	X		
0635S006			835		3	X		
IR36EB603			855		3	X		
0635S007			0940		6	X	X	
0635S008			1125		3	X		
IR36TB169			1335		6	X	X	Trip Blanks

CR 9/1/06

Shuttle Temperature: 4.0

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:
	9/1/06	1335					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					09/06/06	1345	Libby Anderson

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. № 22915

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)
HPS/164148	Cynthia Puelas		

Analysis Requested/Method Number

Date Shipped:
Carrier:
Waybill No.:
Comments: All metal samples were field filtered

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Organochlorine	SVOCs	TPH-e	Dissolved Metals	TSS	Pest					
0635D032		9/1/06	1100	L	6	X	X	X	X	X						
0635H027		↓	1050	↓	2						X					
0635S007		↓	0940	↓	2		X	X								no breakage

CR 9/1/06

Shuttle Temperature: 2.0

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:
Sampler	9/1/06	1345					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					09/02/06	1345	Libby Anderson

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. № 22916

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:
HP/ 64148	Cynthia Rivas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: VOCs (8260)

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs (8260)
0635M032		9/1/06	0825	L	3	X
0635M033			0835		3	X
0635M034			0936		3	X
IR36EB604			1000		3	X
0635M035			1103		3	X
0635M036			1346		3	X
0635H028			1342		3	X
IR28EB605			1412		3	X
0635S009			1345		3	X
0636D033			1325		3	X

CC 9/5/06

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:
	9/5/06	1500					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-6-06	800	Chine Gue Monca

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. № 22920

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CES	Phone: 415-822-2253	Company Name: Kleinfelder/CES	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	VOCs (8260)	TPH-p									
0636D034		9/5/06	1004	L	6	X	X									
0636S010		↓	0945	↓	6	X	X									
0636S011		↓	1130	↓	6	X	X									
0636C011		↓	1124	↓	3	X										
0636M037		↓	0915	↓	3	X										
0636M038		↓	1033	↓	3	X										
IR04TB170		↓	1400	↓	6	X	X									

CR 9/5/06

CR 9/5/06

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:
	9/5/06	1500					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-6-06	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. № 22918

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)	Date Shipped:
HP/64148	Cynthia Rivelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	CR	Comments: All metal samples were field filtered.

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Salinity	TDS	Diss. Metals	Cyanide	NH_3-N/TKN	TSS	Anions	Sulfide	Diss. Metals-Cr only	Hex Chrom	CR
0635H028		9/1/06	1342	L	1	X	X									9/5/06
0636D034		9/5/06	1004		5			X	X	X	X	X	X			
0636S010			0945		5			X	X	X	X	X	X			
0636S011			1130		5			X	X	X	X	X	X			
0636B011			0954		2			X			X					
0636B012			0958		2			X			X					
0636B013			1152		3						X			X	X	
0636C010			0918		3						X			X	X	
0636C011			1124		3						X			X	X	
0636M038			1033		3						X			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 sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	9/5/06	1349					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-6-06	800	Chue Fue Moua

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. № 22922

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder / CEO	Phone: 415-822-2253	Company Name: Kleinfelder / CEO	Phone:
Address:	Fax: 415-822-1379	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP/64148	Cynthia Ruelas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
	[signature]	Comments:

Analysis Requested/Method Number: oil/Grease; organotins; Pest; CK 9/5/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	oil/Grease	organotins	Pest
06368010		9/5/06	0945	L	2	X		
06368011		↓	1130	↓	2	X		
0636B011		↓	0954	↓	2		X	
0636B012		↓	0958	↓	2		X	
0636C011		↓	1124	↓	2			X
0636M037		↓	0915	↓	2		X	

CK 9/5/06

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:
[signature]	9/5/06	1355					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-6-06	800	[signature]

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. № 22921

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:
H8/64148	Cynthia Rivas	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	OP cmpds	OCL Pest	PCBs	TPH-e						
060363010		9/5/06	0945	L	5	X	X	X	X	X						
060363011		↓	1130	↓	5	X	X	X	X	X						

CR 9/5/06

CR 9/5/06

Shuttle Temperature: 4°

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:
	9/5/06	1315					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-6-06	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. № 22917

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 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	organotins	SVOCs	OCL Pest	OP cmpds	PCBs	TPH-c					
0635M036		9/1/06	1346	L	2	X										
0635S009		↓	1345	↓	2	X										
0636D034		9/5/06	1004	↓	5		X	X	X	X	X					

CR 9/5/06

CR 9/5/06

Shuttle Temperature: 30°

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:
	9/5/06	1155					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-6-06	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. № 22919

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEC	Phone: 415-822-2253	Company Name: Kleinfelder/CEC	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/6448	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Oil/Grease	
0636D034		9/5/06	1004	L	2	X	

CR 9/5/06

CR 9/5/06

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:
	9/5/06	1155					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-6-06	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 3

C.O.C. № 22924

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:
HPI 04148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs
0636D035		9/5/06	1400	L	3	X
IR28EB606			1510		3	X
0636C012			1405		3	X
0636C013			1512		3	X
IR28EB607			1533		3	X
0636M039			1257		3	X
IR28EB608			1330		3	X
0636M040			1355		3	X
0636B014			1428		3	X
IR06EB610			1510		3	X

CW 9/6/06

Shuttle Temperature: 4.0

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:
Sampler	9/6/06	1525					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/7/06	0903	

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 3

C.O.C. № 22926

Report to: PLEASE PRINT
Company Name: Klenfelder / CE2
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-2253

Invoice to: PLEASE PRINT
Company Name: Klenfelder / CE2
Address:
Attn:
Phone:
Fax:

Project Name/Number: HP/64448
Purchase Order Number:
Sampler (Print): Cynthia Rodas
Sampler (Signature): CR

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										
0636M041		9/6/06	0858	L	6	X	X										
0636C014			0908		3	X											
0636M042			1111		3	X											
0636M043			1205		3	X											
0636B016			1100		3	X											
0636B017			1110		3	X											
0636S013			0950		3	X											
0636S014			1130		3	X											
0636D036			0953		3	X	X										6 containers
0636D037			1214		3	X											

CR 9/6/06

Shuttle Temperature: 4.0

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	9/6/06	1525					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/7/06	0820	

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. № 22933

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	VOCs	TPH-g									Comments
0636D038		9/6/06	1225	L	3	X										
0636B018		↓	1407	↓	3	X										
IR33TB171		↓	1430	↓	6	X	X									Trip Blanks
IR28EB611		↓	1455	↓	3	X										

CE 9/6/06

CE 9/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	9/6/06	1525					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/7/06	0800	

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. № 22932

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfelder/CE2	Phone: 415-822-2253	Company Name: Klenfelder/CE2	Phone:
Address:	Fax: 415-822-4329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP16448	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	Pest								
0636D037		9/6/06	1214	L	3	X	X								
0636D038		↓	1225	↓	3	X	X								

CR 9/6/06

CR 9/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
CR	9/6/06	1512					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/7/06	~~1000~~ 0800	

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. № 22931

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:
HP/64148	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals - Cr, Cu, Hg, Zn only	Hex Chrom	TSS	Diss. Metals - Ag only	Diss. Metals	Salinity	TDS				
06368013		9/6/06	0950	L	3	X	X	X								
06368014			1130		2			X	X							
0636D036			0953		3		X	X		X						
0636D037			1214		3		X	X		X						
0636D038			1225		3		X	X		X						
0636B018			1407		1						X	X				

CR 9/6/06

CR 9/6/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.0	☒ 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:
	9/6/06	1512					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/7/06	~~1000~~ 0800	

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. № 22930

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klemfelder/CE2	Phone: 415-822-2253	Company Name: Klemfelder/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 Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	1,4-Dioxane	SVOCs	PCBs	TPH-g						
06368013		9/6/06	0950	L	2	X									
06368014		↓	1130	↓	2	X									
06360036		↓	0953	↓	5	X	X	X	X						

CR 9/6/06

CR 9/6/06

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:
	9/6/06	1407					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/7/06	0800	

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. № 22923

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:
64148 / HP	Cynthia Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
	[signature]		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	1,4-Dioxane	organotins									
0636D035		9/5/06	1400	L	2	X										
IR28EB606		↓	1510	↓	2	X										
0636C013		↓	1512	↓	2	X										
IR28EB607		↓	1533	↓	2	X										
0636M040		↓	1355	↓	2		X									

OK 9/6/06

OK 9/6/06

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:
[signature]	9/6/06	1134					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/7/06	0800	[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. № 22929

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 Rudolph		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	SVOCs	organotins								
0636M041		9/6/06	0858	L	2	X										
0636M043			1205		2		X									
0636B015			0932		2			X								
0636B016			1100		2			X								
0636B017			1110		2			X								

CE 9/6/06

CE 9/6/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	9/6/06	1345					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/07/06	0845	

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. № 22925

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEI	Phone: 415-822-8253	Company Name: Kleinfelder/CEI	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	Salinity	TDS	Dissolved Metals - V only	Cyanide	TSS	Disc. Metals - Cd & Mo only	Dissolved Metals	Hex Chrom	Dissolved Metals Cr only	CA 9/6/06	
06360C012		9/5/06	1405	L	1	X	X									
06360M039		↓	1257	↓	1	X	X									
06368012		↓	1410	↓	3			X	X	X						
IR09EB1009		↓	1430	↓	2			X	X							
06360B014		↓	1428	↓	2					X	X					
IR06EB1010		↓	1510	↓	1						X					
06360M041		9/6/06	0858	↓	3					X		X	X			
06360C014		↓	0908	↓	3	X	X			X		X	X	X		
06360C015		↓	1025	↓	3					X			X	X		
06360C016		↓	1030	↓	3					X			X	X		

Shuttle Temperature: 3.0

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:
	9/6/06	1150					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/07/06	0800	

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. № 22928

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Heinfelder / CEZ	Phone: 415-822-8253	Company Name: Heinfelder / CEZ	Phone:
Address:	Fax: 415-822-1829	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP7164148	Anitha Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals	Cyanide	TDS	Hex Chrom								Comments
0636M042		9/6/06	1111	L	3	X	X	X									All metal samples were field filtered.
0636M043		↓	1205	↓	3	X	X	X									
0636B015		↓	0932	↓	3	X		X	X								
0636B016		↓	1100	↓	2	X		X									
0636B017		↓	1110	↓	2	X		X									

CR 9/6/06

CR 9/6/06

Shuttle Temperature: 3.0

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:
	9/6/06	1338					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/07/06	0840	

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. № 22937

Report to: PLEASE PRINT
Company Name: Kleinfelder/CEI
Address:
Attn:
Phone: 415-822-2253
Fax: 415-822-7329

Invoice to: PLEASE PRINT
Company Name: Kleinfelder/CEI
Address:
Attn:
Phone:
Fax:

Project Name/Number: HP164148
Purchase Order Number:
Sampler (Print): Cynthia Pulas
Sampler (Signature): [signature]

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Metals	TSS	Dissolved Metals - Cr only	Hex Chrom	Cyanide	Salinity	TDS	on 9/7/06				
06368015		9/6/06	1355	L	2	X	X										
PA50EB612		↓	1420		1	X											
06368017		9/7/06	0955		4		X	X	X	X							
0636E001			0933		1						X	X					
0636M044			1011		2	X	X										
0636M045			1137		3	X	X			X							
0636D041			0950		3	X	X		X								
0636D042			1206		2	X	X										
0636M046			1357		1					X							
IR09EB617		↓	1420	↓	1					X							SF 9-11-06 per client fax

Shuttle Temperature: 3.5

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]	9/7/06	1450					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at ~~Lab by~~:
					9/8/06	0800	[signature]

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. № 22940

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)	Date Shipped:
HP / 64448	Cynthia Rudas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: 1,4-Dioxane; organotins; SVOCs; Pest; PCBs; TPH-e; CR 9/7/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	1,4-Dioxane	organotins	SVOCs	Pest	PCBs	TPH-e
0636E002		9/7/06	1115	L	2	X					
0636M044		↓	1011	↓	3		X	X			
0636M045		↓	1137	↓	3		X	X			
0636B019		↓	1050	↓	4				X	X	X

CR 9/7/06

Shuttle Temperature: 3.0°

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:
	9/7/06	1405					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/8/06	0800	

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. № 22938

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klemfelder / CE2	Phone: 415-822-2253	Company Name: Klemfelder / CE2	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	SVOCs	OCl Pest	OP cmpds	PCBs	TPH-e	organotins					
06368016		9/6/06	1535	L	5	X	X	X	X	X						
IR29EB613		↓	1518	↓	4	X				X	X					
06360039		↓	1506	↓	2	X										
06360040		↓	1520	↓	2	X										
IR39EB614		↓	1540	↓	2	X										

CR 9/7/06

CR 9/7/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	9/7/06	1030					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/8/06	0800	

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. № 22941

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:
HP/64148	Cynthia Rudas	Carrier:
Purchase Order Number	Sampler (Signature)	Waybill No.:
		Comments:

Analysis Requested/Method Number: VOCs, TPH-g

CR 9/7/06

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-g
0636E002		9/7/06	1115	L	3	X	
0636M044			1011		3	X	
0636M045			1137		3	X	
0636B019			1050		6	X	X
0636D042			1206		3	X	

CR 9/7/06

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 retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
CR	9/7/06	1452					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/8/06	0800	

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. № 22939

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)	Date Shipped:
HP/64148	Cynthia Pucas	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-g
06316S015		9/6/06	1355	L	3	X	
PA50EB612			1420		3	X	
06316S016			1535		6	X	X
IR29EB613			1518		6	X	X
06316E001		9/7/06	0933		3	X	
06316C017		9/6/06	1415		3	X	
06316C018			1420		3	X	
IR12EB615			1613		3	X	
IR29TB172		9/7/06	1100		6	X	X
IR71EB616			1030		3	X	

Shuttle Temperature: 3.0

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:
	9/7/06	1452					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/8/06	0800	

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. № 22942

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klemfelder / CE2	Phone: 415-822-2253	Company Name: Klemfelder / CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP / 641148	Cynthia Dudas		Carrier:
Purchase Order Number	Sampler (Signature)	CR 9/7/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Organotins
06316D041		9/7/06	0950	L	2	X
06316D042		↓	1206	↓	2	X

CR 9/7/06

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:
	9/7/06	1450					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/8/06	1000	

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. № 22955

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CE2	Phone: 415-822-2253	Company Name: Kleinfelder/CE2	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
64148) HPS	Cynthia Rivelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
64148	Cynthia Rivelas		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	SVOCs	TPHs									Comments
0636M049		9/8/06	1153	L	9	X	X									MS/MSD
	FW 9/8/06															

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4°	☒ 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:
	9/8/06	1232					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	

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. № 22949

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:
HP164148	Cynthia Revelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	organochlorine	TPH-e	SVOCs	Pest	1,4-Dioxane						
0636M048		9/8/06	1003	L	4	X	X	X								
06368023		↓	1030		3		X		X							St 9/12/06 per client
06368019		9/7/06	1610		2					X						
06368023		9/8/06	1033	↓	2		X									

CR 9/8/06

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:
CR	9/8/06	1208					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	

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. № 22950

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klemfelder/CE2	Phone: 415-822-2253	Company Name: Klemfelder/CE2	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: TPH-g

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-g										Comments
0636B024		9/8/06	1040	L	2	X										
IR28B624		↓	1145	↓	2	X										
0636D044		↓	1052	↓	6	X										MS/MSD

CR 9/8/06

CR 9/8/06

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:
	9/8/06	1403					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	

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. № 22948

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:
HF/64148	Cynthia Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
	[signature]		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	organotins	TPH-e	Pest								
0636D043		9/7/06	1455	L	2	X										
IR22EB618		↓	1540		2	X										
0636B021		9/8/06	0846		2		X									
0636B022			0855		2		X									
0636S022		↓	1035	↓	3		X	X								

CR 9/8/06

CR 9/8/06

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:
[signature]	9/8/06	1155					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	[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. № 22953

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name Kleinfelder/CEO	Phone: 415-822-2253	Company Name Kleinfelder/CEO	Phone:
Address	Fax: 415-822-1329	Address	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/64148	Cynthia Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	8VOCs										
0636E006		9/8/06	1258	L	2	X										
0636BD25		1	1347	1	2	X										

CR 9/8/06

CR 9/8/06

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:
	9/8/06	1420					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	

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. № 22944

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:
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	Dissolved Metals - Pb only	TSS	Diss. Metals - Hg only	Diss. Metals - Pb + Zn only	Salinity	TDS					
0636D043		9/7/06	1455	L	2	X	X									
IR22EB618		↓	1546	↓	2	X	X									
0636E003			1447		2		X	X								
0636B020			1423		2		X		X							
IR22EB619		↓	1500		1				X							
0636E006		9/8/06	1258		2		X	X								
0636B025		↓	1347	↓	1					X	X					

CR 9/8/06

CR 9/8/06

Shuttle Temperature: 4°

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:
	9/8/06	1421					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9-9-06	1600	

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. № 22951

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klemfelder/CEA	Phone: 415-822-2253	Company Name: Klemfelder/CEA	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:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-7	Comments
TR28TB173		9/8/06	1225	L	6	X	X	Trip Blanks
0636M049			1153		9	X		MS/MSD
0636S024			1315		3	X		
0636D044			1052		18	X	X	MS/MSD
0636E006			1258		3	X		
0636S025		↓	1347	↓	3	X		

Shuttle Temperature: 4°

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:
	9/8/06	1421					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9-9-06	1600	

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

pg 3 of 3

CHAIN OF CUSTODY RECORD

C.O.C. № 22952

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfelder	Phone: 415-822-2253	Company Name: Klenfelder/CBZ	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	TPH-g										Comments
IR29TB174		9/8/06	1400	L	6	X	X										Trip Blanks

CR 9/8/06

CR 9/8/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
30	☒ 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:
	9/8/06	1401					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	

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 3

C.O.C. № 22946

Report to: PLEASE PRINT
Company Name: Kleinfelder/CE2
Address:
Attn:
Phone: 415-822-8253
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 Rivolas
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
0636B022		9/8/06	0855	L	6	X	X
0636M048			1003		6	X	X
0636E004			1018		3	X	
0636E005			1024		3	X	
IR28EB623			1100		3	X	
06368022			1035		6	X	X
06363023			1050		6	X	X
0636B023			1033		6	X	X
0636B024			1040		6	X	X
IR28EB624			1145		6	X	X

CR 9/8/06

Shuttle Temperature: 30

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:
	9/8/06	1401					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	

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. № 22945

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:
HPI 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-g
0636E003		9/7/06	1447	L	3	X	
0636S018		↓	1410	↓	3	X	
IR71EB620		↓	1435	↓	3	X	
0636S019		↓	1610	↓	3	X	
0636M047		9/8/06	0858	↓	3	X	
IR28EB621		↓	0922	↓	3	X	
0636S020		↓	0855	↓	3	X	
0636B021		↓	0910	↓	3	X	
IR28EB622		↓	0920	↓	3	X	
0636B021		↓	0846	↓	6	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 sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	9/8/06	1401					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-9-06	1600	

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. № 22957

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 Rivas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-p										Comments
IR06EB1625		9/11/06	0830	L	6	X	X										
SWT091106		↓	0904	↓	6	X	X										
06378025		↓	1100	↓	2	X											
IR06TB175		↓	1200	↓	6	X	X										Trip Blanks
06378007		↓	1107	↓	3	X											Sample ID: 06378007
06378045		↓	1138	↓	3	X											
IR28EB1626		↓	1215	↓	3	X											
06378026		↓	1320	↓	3	X											
IR28EB1627		↓	1345	↓	3	X											
06378008		↓	1400	↓	3	X											

OK 9/11/06

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:
	9/11/06	1547					

Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-12-06	800	Anne Fuentes

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. № 22961

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kemfelder/CE2	Phone: 415-822-2253	Company Name: Kemfelder/CE2	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.:
		Comments:

Analysis Requested/Method Number: VOCs, TPH-g

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs	TPH-g
IR74EB628		9/11/06	1450	L	3	X	
IDW091106		↓	1445	↓	6	X	X
SWD091106		↓	1530	↓	6	X	X

CR 9/11/06

CR 9/11/06

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:
	9/11/06	1547					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9-12-06	800	Chris Fuell

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. № 22960

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:
HP/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	Total Metals - (marked as unfiltered)	Diss. Metals - (marked as field filtered)	Hex Chrom	cyanide	Sulfide	NH_3-N/TKN	TSS	Anions	TDS	Salinity	Diss. Metals - Cr only
SWT091106		9/11/06	0904	L	7	X	X	X	X	X	X	X	X	X	X	
0636S016		↓	0945	↓	2					X	X					
0637E007		↓	1107	↓	3			X				X				X
SWD091106		↓	1530	↓	7	X	X	X	X	X	X	X	X	X	X	

CR 9/11/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.5°	☒ 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:
[signature]	9/11/06	1545					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9-12-06	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

p. 2 of 2

C.O.C. № 22963

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/6448	Cynthia Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	Diss. Gulf Metals Filtered	Hex Chrom	Cyanide	Sulfide	NH_3-N/TKN	Anions	Salinity	TDS	TSS	pH	CR 9/11/06
IDW091106		9/11/06	1445	L	6	X	X	X	X	X	X	X	X	X	X	

CR 9/11/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4.5°	☒ 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:
[signature]	9/11/06	1545					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/12-06	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. № 22956

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/64148	Cynthia Ruelas		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
	[signature]		Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	oil/Grease	Chemical O_2 Demand								
IR06EB625		9/11/06	0830	L	2	X										
SWT091106		↓	0904	↓	2		X									
0636S016		↓	0945	↓	1		X									
IDW091106		↓	1445	↓	3		X	X								
SWD091106		↓	1530	↓	2		X									

PW 9/11/06

PW 9/11/06

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:
[signature]	9/11/06	1535					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9/12/06	800	[signature]

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. № 22965

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Kleinfelder/CEO	Phone: 415-822-2253	Company Name: Kleinfelder/CEO	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Date Shipped:
HP/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	TPH-e	SVOCs	OCl Pest	OP cmpds	PCBs	1,4-Dioxane	Organotins				
SWD091106		9/11/06	1530	L	7	X	X	X	X	X	X	X				

CK 9/11/06

CK 9/11/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4°	☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour	☐ Return to client ☐ Disposal by Lab (90-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
[signature]	9/11/06	1553					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9/12/06	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. № 22964

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:
HP/64148	Dynthia 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	OCl Pest	OP Cmpds	PCBs	1,4-Dioxane	organotins	TPH-e	ignitability			
IDW091106		9/11/06	1445	L	8	X	X	X	X	X	X	X	X			

CR 9/11/06

CR 9/11/06

Shuttle Temperature:	Turnaround Requested: MUST CHECK ONE	Sample Disposal:
4°	☒ 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:
	9/11/06	1520					
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date	Time	Received at lab by:
					9-12-06	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. № 22959

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Hemfelder/CE2	Phone: 415-822-2253	Company Name: Hemfelder/CE2	Phone:
Address:	Fax: 415-822-1329	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HP/6448	Cynthia Rueles		Carrier:
Purchase Order Number	Sampler (Signature)		Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	TPH-e	SVOCs	OCL Pest	OP Cmpds	PCBs	1,4-Dioxane	organotins				
SWT091106		9/11/06	0904	L	9	X	X	X	X	X	X	X				

CR 9/11/06

CR 9/11/06

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:
	9/11/06	1030					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by:**
					9-12-06	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. № 22972

Report to: PLEASE PRINT		Invoice to: PLEASE PRINT	
Company Name: Klenfeldar/CE2	Phone: 415-822-2253	Company Name: Klenfeldar/CE2	Phone:
Address:	Fax:	Address:	Fax:
Attn:		Attn:	

Project Name/Number	Sampler (Print)	Analysis Requested/Method Number	Date Shipped:
HPS/64148	Tom Sayre	VOCs-8260B	Carrier:
Purchase Order Number: 64148	Sampler (Signature): [signature]	PW 9/29/06	Waybill No.:
			Comments:

Sample Identification	Location	Date Collected	Time Collected	Matrix	Number of Containers	VOCs-8260B
1R36TB179		9/27/06	1500	L	3	X
06395034		9/27/06	915	L	3	X
1R36EB632		9/27/06	935	L	3	X
06395035		9/27/06	1020	L	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:
[signature]	9/27	1500					
Relinquished by:	**Date**	**Time**	**Received by:**	**Relinquished by:**	**Date**	**Time**	**Received at lab by**
					9-29-06	1040	[signature]

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

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Appendix E.
Batch Wastewater Discharge Permit Application

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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/CE2 (on behalf of U.S. Department 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 8/21/2006 and 9/27/2006.

5. Location of wastewater generation :

Hunters Point Shipyard - Parcels B, C, D, E

6. Total estimated volume (or volume flow rate) of wastewater discharge :

2,000 gallons

7. Estimated duration of wastewater discharge :

1 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 & Spear streets (see attached site plan)

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.

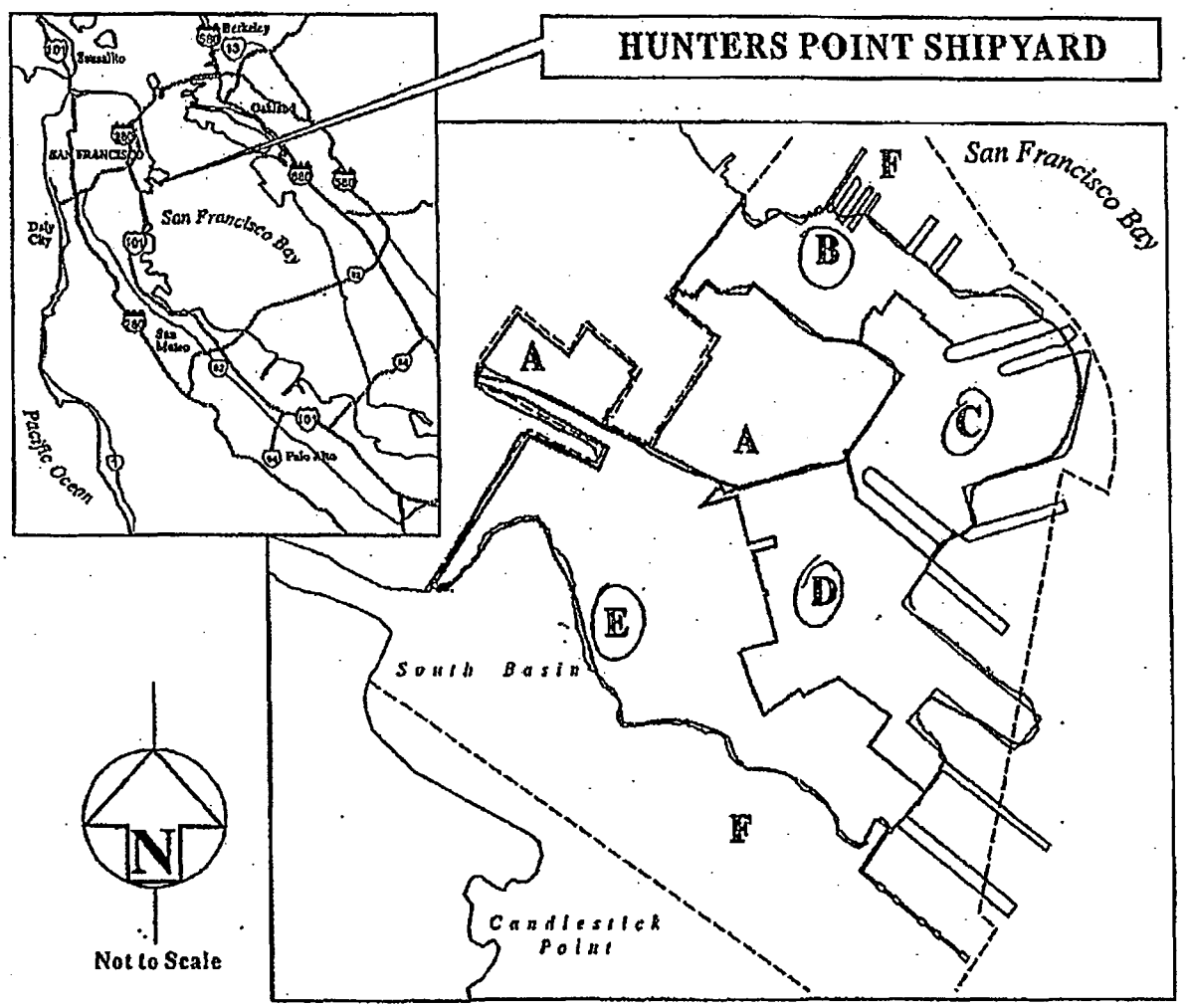
Name: Michael Mentink Title: ENVIR. COMPLIANCE MGR.

Signature[1]: Michael Mentink Date: 10/18/06

[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



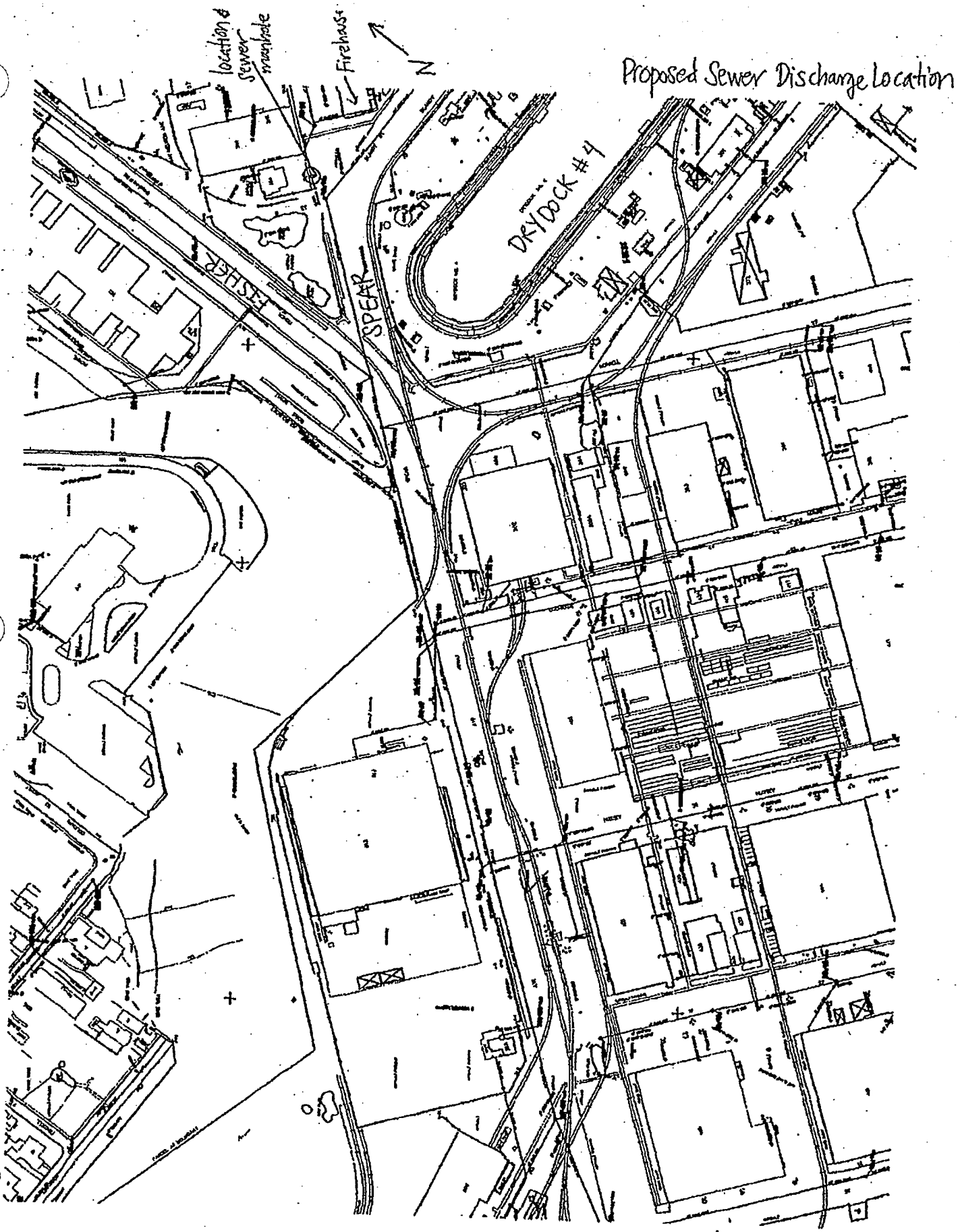
Wells in Parcels B, C, D, E

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


Location of sewer manhole
Firehouse
N
Proposed Sewer Discharge Location
DRYDOCK #4
FISHER
SPEAR

Site Plan

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 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729
QCG: $81HP-060913B-104694

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8081A	4,4'-DDE	Not detected	0.05	0.004	ug/L	9/13/06	9/20/06
EPA 8081A	4,4'-DDT	Not detected	0.05	0.007	ug/L	9/13/06	9/20/06
EPA 8081A	4,4'-TDE/DDD	Not detected	0.05	0.003	ug/L	9/13/06	9/20/06
EPA 8081A	a-BHC	Not detected	0.05	0.005	ug/L	9/13/06	9/20/06
EPA 8081A	a-Chlordane	Not detected	0.05	0.007	ug/L	9/13/06	9/20/06
EPA 8081A	Aldrin	Not detected	0.05	0.009	ug/L	9/13/06	9/20/06
EPA 8081A	b-BHC	Not detected	0.05	0.008	ug/L	9/13/06	9/20/06
EPA 8081A	d-BHC	Not detected	0.05	0.005	ug/L	9/13/06	9/20/06
EPA 8081A	Dieldrin	Not detected	0.05	0.005	ug/L	9/13/06	9/20/06
EPA 8081A	Endosulfan I	Not detected	0.05	0.005	ug/L	9/13/06	9/20/06
EPA 8081A	Endosulfan II	Not detected	0.05	0.004	ug/L	9/13/06	9/20/06
EPA 8081A	Endosulfan sulfate	Not detected	0.05	0.005	ug/L	9/13/06	9/20/06
EPA 8081A	Endrin	Not detected	0.05	0.007	ug/L	9/13/06	9/20/06
EPA 8081A	Endrin aldehyde	Not detected	0.05	0.009	ug/L	9/13/06	9/20/06
EPA 8081A	Endrin ketone	Not detected	0.05	0.006	ug/L	9/13/06	9/20/06
EPA 8081A	g-BHC (Lindane)	Not detected	0.05	0.005	ug/L	9/13/06	9/20/06
EPA 8081A	g-Chlordane	Not detected	0.05	0.006	ug/L	9/13/06	9/20/06
EPA 8081A	Heptachlor	Not detected	0.05	0.008	ug/L	9/13/06	9/20/06
EPA 8081A	Heptachlor epoxide	Not detected	0.05	0.007	ug/L	9/13/06	9/20/06
EPA 8081A	Methoxychlor	Not detected	0.05	0.008	ug/L	9/13/06	9/20/06
EPA 8081A	Toxaphene	Not detected	1.0	0.38	ug/L	9/13/06	9/20/06
EPA 8081A	Surrogate: DECA	78.3	30-150		%	9/13/06	9/20/06
EPA 8081A	Surrogate: TCmX	93.9	30-150		%	9/13/06	9/20/06

Run #: 34
Instrument: LUCY
Sequence: 060920
Dilution Factor: 1
Initials: MA

Printed: 9/21/06 2:07:55 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8082 PCB WATER

'einfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729
QCG: $8PHP-060913B-104695

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8082	PCB-1016	Not detected	0.5	0.12	ug/L	9/13/06	9/20/06
EPA 8082	PCB-1221	Not detected	0.5	0.08	ug/L	9/13/06	9/20/06
EPA 8082	PCB-1232	Not detected	0.5	0.12	ug/L	9/13/06	9/20/06
EPA 8082	PCB-1242	Not detected	0.5	0.12	ug/L	9/13/06	9/20/06
EPA 8082	PCB-1248	Not detected	0.5	0.09	ug/L	9/13/06	9/20/06
EPA 8082	PCB-1254	Not detected	0.5	0.20	ug/L	9/13/06	9/20/06
EPA 8082	PCB-1260	Not detected	0.5	0.09	ug/L	9/13/06	9/20/06
EPA 8082	Surrogate: DECA-PCB	80.2	30-150		%	9/13/06	9/20/06
EPA 8082	Surrogate: TcMX	88.6	30-150		%	9/13/06	9/20/06

Run #: 34
Instrument: LUCY
Sequence: 060920
Dilution Factor: 1
Initials: MA

Printed: 9/21/06 2:09:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8141A

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729
QCG: $84HP-060913B-104872

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8141A	Azinphosmethyl	Not detected	5.0	0.0215	ug/L	9/13/06	9/26/06
EPA 8141A	Bolstar	Not detected	0.5	0.0716	ug/L	9/13/06	9/26/06
EPA 8141A	Chlorpyrifos	Not detected	0.5	0.00259	ug/L	9/13/06	9/26/06
EPA 8141A	Coumaphos	Not detected	1.0	0.13	ug/L	9/13/06	9/26/06
EPA 8141A	Demeton (Total)	Not detected	1.0	0.08	ug/L	9/13/06	9/26/06
EPA 8141A	Diazinon	Not detected	0.5	0.00353	ug/L	9/13/06	9/26/06
EPA 8141A	Dichlorvos	Not detected	1.0	0.02	ug/L	9/13/06	9/26/06
EPA 8141A	Dimethoate	Not detected	0.5	0.08	ug/L	9/13/06	9/26/06
EPA 8141A	Disulfoton	Not detected	0.5	0.02	ug/L	9/13/06	9/26/06
EPA 8141A	EPN	Not detected	0.5	0.03	ug/L	9/13/06	9/26/06
EPA 8141A	Ethion	Not detected	0.5	0.03	ug/L	9/13/06	9/26/06
EPA 8141A	Ethoprop	Not detected	0.5	0.0235	ug/L	9/13/06	9/26/06
EPA 8141A	Famphur	Not detected	3.5	0.05	ug/L	9/13/06	9/26/06
EPA 8141A	Fensulfothion	Not detected	2.5	0.16	ug/L	9/13/06	9/26/06
EPA 8141A	Fenthion	Not detected	0.5	0.02	ug/L	9/13/06	9/26/06
EPA 8141A	Malathion	Not detected	0.5	0.05	ug/L	9/13/06	9/26/06
EPA 8141A	Merphos	Not detected	0.5	0.06	ug/L	9/13/06	9/26/06
EPA 8141A	Mevinphos	Not detected	3.5	0.0716	ug/L	9/13/06	9/26/06
EPA 8141A	Naled	Not detected	2.5	0.271	ug/L	9/13/06	9/26/06
EPA 8141A	Parathion, ethyl	Not detected	0.5	0.02	ug/L	9/13/06	9/26/06
EPA 8141A	Parathion, methyl	Not detected	0.5	0.0755	ug/L	9/13/06	9/26/06
EPA 8141A	Phorate	Not detected	0.5	0.0722	ug/L	9/13/06	9/26/06
EPA 8141A	Ronnel	Not detected	0.5	0.03	ug/L	9/13/06	9/26/06
EPA 8141A	Stirophos	Not detected	0.5	0.06	ug/L	9/13/06	9/26/06
EPA 8141A	Sulfotep	Not detected	0.5	0.02	ug/L	9/13/06	9/26/06
EPA 8141A	Tokuthion	Not detected	0.5	0.0216	ug/L	9/13/06	9/26/06
EPA 8141A	Trichloronate	Not detected	0.5	0.05	ug/L	9/13/06	9/26/06
EPA 8141A	Surrogate: Tributylphosphate	114	30-150		%	9/13/06	9/26/06
EPA 8141A	Surrogate: Triphenylphosphate	128	30-150		%	9/13/06	9/26/06

Run #: 36
Instrument: NPD03
Sequence: 060925
Dilution Factor: 1
Initials: JT

Printed: 9/26/06 1:55:43 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B

leinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/2006

ARF: 51610
APPL ID: AX48729
QCG: $86HP-060920AS-104896

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1,2-Tetrachloroethane	Not detected	0.5	0.13	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,1,1-Trichloroethane	Not detected	0.5	0.14	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	0.5	0.27	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,1,2-Trichloroethane	Not detected	0.5	0.2	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,1-Dichloroethane	Not detected	1	0.19	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,2,3-Trichloropropane	Not detected	1	0.39	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,2,4-Trichlorobenzene	Not detected	0.5	0.21	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,2-Dibromo-3-Chloropropane	Not detected	2	0.76	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,2-Dichlorobenzene	Not detected	0.5	0.17	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,2-Dichloropropane	Not detected	0.5	0.17	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,3-Dichlorobenzene	Not detected	0.5	0.11	ug/L	9/20/2006	9/20/2006
EPA 8260B	1,4-Dichlorobenzene	Not detected	0.5	0.19	ug/L	9/20/2006	9/20/2006
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	9/20/2006	9/20/2006
EPA 8260B	Bromobenzene	Not detected	0.5	0.16	ug/L	9/20/2006	9/20/2006
EPA 8260B	Bromodichloromethane	Not detected	0.5	0.14	ug/L	9/20/2006	9/20/2006
EPA 8260B	Bromoform	Not detected	0.5	0.14	ug/L	9/20/2006	9/20/2006
EPA 8260B	Bromomethane	Not detected	1	0.24	ug/L	9/20/2006	9/20/2006
EPA 8260B	Carbon tetrachloride	Not detected	0.5	0.10	ug/L	9/20/2006	9/20/2006
EPA 8260B	Chlorobenzene	Not detected	0.5	0.21	ug/L	9/20/2006	9/20/2006
EPA 8260B	Chloroethane	Not detected	0.5	0.21	ug/L	9/20/2006	9/20/2006
EPA 8260B	Chloroform	2.0	0.5	0.16	ug/L	9/20/2006	9/20/2006
EPA 8260B	Chloromethane	Not detected	0.5	0.31	ug/L	9/20/2006	9/20/2006
EPA 8260B	cis-1,2-Dichloroethene	0.53	0.5	0.16	ug/L	9/20/2006	9/20/2006
EPA 8260B	cis-1,3-Dichloropropene	Not detected	0.5	0.15	ug/L	9/20/2006	9/20/2006
EPA 8260B	Dibromochloromethane	Not detected	0.5	0.19	ug/L	9/20/2006	9/20/2006
EPA 8260B	Dibromomethane	Not detected	0.5	0.20	ug/L	9/20/2006	9/20/2006
EPA 8260B	Dichlorodifluoromethane	Not detected	1	0.19	ug/L	9/20/2006	9/20/2006
EPA 8260B	Ethyl benzene	Not detected	0.5	0.23	ug/L	9/20/2006	9/20/2006
EPA 8260B	Freon-113	Not detected	0.5	0.21	ug/L	9/20/2006	9/20/2006
EPA 8260B	Methylene chloride	Not detected	5	0.35	ug/L	9/20/2006	9/20/2006
EPA 8260B	MTBE	Not detected	0.5	0.19	ug/L	9/20/2006	9/20/2006
EPA 8260B	Tetrachloroethene	Not detected	0.5	0.15	ug/L	9/20/2006	9/20/2006
EPA 8260B	Toluene	0.81	0.5	0.17	ug/L	9/20/2006	9/20/2006
EPA 8260B	trans-1,2-Dichloroethene	Not detected	0.5	0.19	ug/L	9/20/2006	9/20/2006

J = Estimated value.

Run #: 0920S08
Instrument: Sweetpea
Sequence: S060919
Dilution Factor: 1
Initials: ND

Printed: 9/26/2006 2:33:30 PM
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 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/2006

ARF: 51610
APPL ID: AX48729
QCG: $86HP-060920AS-104896

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	trans-1,3-Dichloropropene	Not detected	0.5	0.18	ug/L	9/20/2006	9/20/2006
EPA 8260B	Trichloroethene	0.32 J	0.5	0.16	ug/L	9/20/2006	9/20/2006
EPA 8260B	Trichlorofluoromethane	Not detected	0.5	0.24	ug/L	9/20/2006	9/20/2006
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	9/20/2006	9/20/2006
EPA 8260B	Xylenes	0.62	0.5	0.19	ug/L	9/20/2006	9/20/2006
EPA 8260B	Surrogate Recovery (BFB)	98.0	86-115		%	9/20/2006	9/20/2006
EPA 8260B	Surrogate Recovery (DCA)	107	76-114		%	9/20/2006	9/20/2006
EPA 8260B	Surrogate Recovery (TOL)	100	88-110		%	9/20/2006	9/20/2006

J = Estimated value.

Run #: 0920S08
Instrument: Sweetpea
Sequence: S060919
Dilution Factor: 1
Initials: ND

Printed: 9/26/2006 2:33:30 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C

leinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729
QCG: $87HP-060918B-104945

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8270C	1,2,4-Trichlorobenzene	Not detected	10	1.3	ug/L	9/18/06	9/26/06
EPA 8270C	1,2-DCB	Not detected	10	1.1	ug/L	9/18/06	9/26/06
EPA 8270C	1,3-DCB	Not detected	10	1.0	ug/L	9/18/06	9/26/06
EPA 8270C	1,4-DCB	Not detected	10	1.0	ug/L	9/18/06	9/26/06
EPA 8270C	2,4,6-Trichlorophenol	Not detected	10	2.5	ug/L	9/18/06	9/26/06
EPA 8270C	2,4-Dichlorophenol	Not detected	10	2.5	ug/L	9/18/06	9/26/06
EPA 8270C	2,4-Dimethylphenol	Not detected	10	2.4	ug/L	9/18/06	9/26/06
EPA 8270C	2,4-Dinitrophenol	Not detected	50	1.8	ug/L	9/18/06	9/26/06
EPA 8270C	2,4-DNT	Not detected	10	2.7	ug/L	9/18/06	9/26/06
EPA 8270C	2,6-DNT	Not detected	10	2.7	ug/L	9/18/06	9/26/06
EPA 8270C	2-Chloronaphthalene	Not detected	10	2.0	ug/L	9/18/06	9/26/06
EPA 8270C	2-Chlorophenol	Not detected	10	2.0	ug/L	9/18/06	9/26/06
EPA 8270C	2-Methylnaphthalene	Not detected	10	1.8	ug/L	9/18/06	9/26/06
EPA 8270C	2-Methylphenol	Not detected	10	1.9	ug/L	9/18/06	9/26/06
EPA 8270C	2-Nitrophenol	Not detected	10	2.1	ug/L	9/18/06	9/26/06
EPA 8270C	3,3'-Dichlorobenzidine	Not detected	20	3.0	ug/L	9/18/06	9/26/06
EPA 8270C	4,6-Dinitro-2-methylphenol	Not detected	50	2.2	ug/L	9/18/06	9/26/06
EPA 8270C	4-Bromophenyl phenyl ether	Not detected	10	2.6	ug/L	9/18/06	9/26/06
EPA 8270C	4-Chloro-3-methylphenol	Not detected	20	2.6	ug/L	9/18/06	9/26/06
EPA 8270C	4-Chlorophenyl phenyl ether	Not detected	10	2.6	ug/L	9/18/06	9/26/06
EPA 8270C	4-Methylphenol	Not detected	10	1.7	ug/L	9/18/06	9/26/06
EPA 8270C	4-Nitrophenol	Not detected	50	0.8	ug/L	9/18/06	9/26/06
EPA 8270C	Acenaphthene	Not detected	10	2.3	ug/L	9/18/06	9/26/06
EPA 8270C	Acenaphthylene	Not detected	10	2.3	ug/L	9/18/06	9/26/06
EPA 8270C	Anthracene	Not detected	10	2.8	ug/L	9/18/06	9/26/06
EPA 8270C	Benz (a) anthracene	Not detected	10	2.6	ug/L	9/18/06	9/26/06
EPA 8270C	Benzo (a) pyrene	Not detected	10	2.5	ug/L	9/18/06	9/26/06
EPA 8270C	Benzo (b) fluoranthene	Not detected	10	2.9	ug/L	9/18/06	9/26/06
EPA 8270C	Benzo (g,h,i) perylene	Not detected	10	2.5	ug/L	9/18/06	9/26/06
EPA 8270C	Benzo (k) fluoranthene	Not detected	10	2.9	ug/L	9/18/06	9/26/06
EPA 8270C	Benzoic acid	Not detected	50	1.0	ug/L	9/18/06	9/26/06
EPA 8270C	Benzyl alcohol	Not detected	20	2.0	ug/L	9/18/06	9/26/06
EPA 8270C	Bis (2-chloroethoxy) methane	Not detected	10	2.4	ug/L	9/18/06	9/26/06
EPA 8270C	Bis (2-chloroethyl) ether	Not detected	10	2.2	ug/L	9/18/06	9/26/06
EPA 8270C	Bis (2-chloroisopropyl) ether	Not detected	10	2.0	ug/L	9/18/06	9/26/06
EPA 8270C	Bis (2-ethylhexyl) phthalate	Not detected	5	2.9	ug/L	9/18/06	9/26/06

Run #: 925L034
Instrument: Linus
Sequence: L060925
Dilution Factor: 1
Initials: LF

Printed: 10/9/06 2:06:18 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 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729
QCG: $87HP-060918B-104945

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8270C	Butyl benzylphthalate	Not detected	10	2.8	ug/L	9/18/06	9/26/06
EPA 8270C	Chrysene	Not detected	10	2.8	ug/L	9/18/06	9/26/06
EPA 8270C	Di-n-butylphthalate	Not detected	10	3.2	ug/L	9/18/06	9/26/06
EPA 8270C	Di-n-octylphthalate	Not detected	10	2.6	ug/L	9/18/06	9/26/06
EPA 8270C	Dibenz (a,h) anthracene	Not detected	10	2.5	ug/L	9/18/06	9/26/06
EPA 8270C	Dibenzofuran	Not detected	10	2.4	ug/L	9/18/06	9/26/06
EPA 8270C	Diethyl phthalate	Not detected	10	3.0	ug/L	9/18/06	9/26/06
EPA 8270C	Dimethyl phthalate	Not detected	10	2.9	ug/L	9/18/06	9/26/06
EPA 8270C	Fluoranthene	Not detected	10	2.9	ug/L	9/18/06	9/26/06
EPA 8270C	Fluorene	Not detected	10	2.5	ug/L	9/18/06	9/26/06
EPA 8270C	Hexachlorobenzene	Not detected	10	2.7	ug/L	9/18/06	9/26/06
EPA 8270C	Hexachlorobutadiene	Not detected	10	0.9	ug/L	9/18/06	9/26/06
EPA 8270C	Hexachlorocyclopentadiene	Not detected	10	0.8	ug/L	9/18/06	9/26/06
EPA 8270C	Hexachloroethane	Not detected	5	0.8	ug/L	9/18/06	9/26/06
EPA 8270C	Indeno (1,2,3-cd) pyrene	Not detected	10	2.4	ug/L	9/18/06	9/26/06
EPA 8270C	Isophorone	Not detected	10	2.5	ug/L	9/18/06	9/26/06
EPA 8270C	n-Nitrosodi-n-propylamine	Not detected	10	2.2	ug/L	9/18/06	9/26/06
EPA 8270C	n-Nitrosodimethylamine	Not detected	10	1.7	ug/L	9/18/06	9/26/06
EPA 8270C	n-Nitrosodiphenylamine	Not detected	10	2.7	ug/L	9/18/06	9/26/06
EPA 8270C	Naphthalene	Not detected	10	1.8	ug/L	9/18/06	9/26/06
EPA 8270C	Nitrobenzene	Not detected	10	2.1	ug/L	9/18/06	9/26/06
EPA 8270C	Pentachlorophenol	Not detected	5	2.8	ug/L	9/18/06	9/26/06
EPA 8270C	Phenanthrene	Not detected	10	2.7	ug/L	9/18/06	9/26/06
EPA 8270C	Phenol	5.7	5	1.0	ug/L	9/18/06	9/26/06
EPA 8270C	Pyrene	Not detected	10	2.8	ug/L	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (2FP)	25.8	21-110		%	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (FBP)	60.5	43-116		%	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (NBZ)	63.5	35-114		%	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (PHL)	16.3	10-110		%	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (TBP)	46.9	10-123		%	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (TPH)	58.3	33-141		%	9/18/06	9/26/06

Run #: 925L034
Instrument: Linus
Sequence: L060925
Dilution Factor: 1
Initials: LF

Printed: 10/9/06 2:08:18 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C - 1,4-Dioxane

Heinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

Attn: Patricia Walters

Project: 64148 Hunter's Point

Sample ID: IDW091106

Sample Collection Date: 9/11/06

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

ARF: 51610

APPL ID: AX48729

QCG: $14HP-060918B-104944

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8270C	1,4-Dioxane	Not detected	1.0	0.162	ug/L	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (FBP)	60.5	43-116		%	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (NBZ)	63.5	35-114		%	9/18/06	9/26/06
EPA 8270C	Surrogate recovery (TPH)	58.3	33-141		%	9/18/06	9/26/06

Run #: 925L034
Instrument: Linus
Sequence: L060925
Dilution Factor: 1
Initials: LF

Printed: 10/9/06 2:08:52 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

TBT Water

Kleinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729
QCG: $TBT-060914A-104582

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
TBT GC/MS	Tributyl Tin	Not detected	0.05	0.025	ug/L	9/14/06	9/14/06
TBT GC/MS	Surrogate: Tetra-n-propyltin	96.7	40-160		%	9/14/06	9/14/06

Run #: 51
Instrument: YODA
Sequence: 060913
Dilution Factor: 1
Initials: MA

Printed: 9/19/06 1:23:42 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPH Diesel Water

'leinfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 09/11/06

ARF: 51610
APPL ID: AX48729
QCG: $DIHP-060912A-104858

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	430 ++	50	40.4	ug/L	09/13/06	09/14/06
EPA 8015B-	Motor Oil	930	500	106	ug/L	09/13/06	09/14/06
EPA 8015B-	Surrogate: Octacosane	87.9	60-140		%	09/13/06	09/14/06
EPA 8015B-	Surrogate: Ortho-Terphenyl	85.3	60-140		%	09/13/06	09/14/06

++(T4M) The analyst has noted that the chromatogram of this sample is mainly a dominant peak(s) which is not indicative of petroleum hydrocarbons.

Run #:	912083
Instrument:	APOLLO
Sequence:	060912
Dilution Factor:	1
Initials:	LA

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APPL-F1-SC-MCRes/MCPQL-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 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729
QCG: $GAHP-060918A-105080

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	20	8.6	ug/L	9/18/06	9/18/06
8015	Surrogate: BFB-FID	89.3	75-125		%	9/18/06	9/18/06

Run #: 0918H11
Instrument: Harpo
Sequence: 060910
Dilution Factor: 1
Initials: LF

Printed: 10/9/06 1:18:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Agriculture & Priority Pollutant Labs,Incorporated
Project Name : NA
Project Number : NA
Sample Matrix : WATER

Service Request : K0607797
Date Collected : 09/11/06
Date Received : 09/13/06

Chemical Oxygen Demand

Analysis Method : SM 5220
Test Notes :

Units : mg/L (ppm)
Basis : NA

Sample Name	Lab Code	MRL	Dilution Factor	Date Analyzed	Result	Result Notes
IDW091106	K0607797-001	5	1	09/15/06	54	
Method Blank	K0607797-MB	5	1	09/15/06	5	U

SM. Standard Methods for the Examination of Water and Wastewater, 20th Ed., 1998.

00010

Report By:Agreer

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Agriculture & Priority Pollutant Labs,Incorporated
Project Name : NA
Project Number : NA
Sample Matrix : WATER

Service Request : K0607797
Date Collected : 09/11/06
Date Received : 09/13/06

Flashpoint

Analysis Method : 1020
Test Notes :

Units : DEG C
Basis : NA

Sample Name	Lab Code	MRL	Dilution Factor	Date Analyzed	Result	Result Notes
IDW091106	K0607797-001	-	1	09/16/06	>110	
Method Blank	K0607797-MB	-	1	09/16/06	>110	

Report By:Agreer

Metals Analysis

einfelder
1970 Broadway, Suite 710
Oakland, CA 94612

APPL Inc.
4203 West Swift Avenue
Fresno, CA 93722

Attn: Patricia Walters
Project: 64148 Hunter's Point
Sample ID: IDW091106
Sample Collection Date: 9/11/06

ARF: 51610
APPL ID: AX48729

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date
6010B/3010A	Aluminum (Al) (Dissolved)	Not detected	100	19.3	ug/L	9/14/06	9/30/06
6010B/3010A	Antimony (Sb) (Dissolved)	22.4	5	1.84	ug/L	9/14/06	9/30/06
6010B/3010A	Arsenic (As) (Dissolved)	4.2 J	5	2.45	ug/L	9/14/06	9/30/06
6010B/3010A	Barium (Ba) (Dissolved)	104	5	0.75	ug/L	9/14/06	9/30/06
6010B/3010A	Beryllium (Be) (Dissolved)	Not detected	2	0.24	ug/L	9/14/06	9/30/06
6010B/3010A	Cadmium (Cd) (Dissolved)	Not detected	5	0.51	ug/L	9/14/06	9/30/06
6010B/3010A	Chromium (Cr) (Dissolved)	16.1	5	1.37	ug/L	9/14/06	9/30/06
6010B/3010A	Cobalt (Co) (Dissolved)	Not detected	5	0.63	ug/L	9/14/06	9/30/06
6010B/3010A	Copper (Cu) (Dissolved)	11.9	5	0.97	ug/L	9/14/06	9/30/06
6010B/3010A	Lead (Pb) (Dissolved)	Not detected	5	1.85	ug/L	9/14/06	9/30/06
6010B/3010A	Manganese (Mn) (Dissolved)	451	5	1.23	ug/L	9/14/06	9/30/06
470A/7470A	Mercury (Hg) (Dissolved)	Not detected	0.2	0.041	ug/L	9/18/06	9/19/06
6010B/3010A	Nickel (Ni) (Dissolved)	5.0	5	3.61	ug/L	9/14/06	9/30/06
6010B/3010A	Selenium (Se) (Dissolved)	Not detected	5	3.17	ug/L	9/14/06	9/30/06
6010B/3010A	Silver (Ag) (Dissolved)	Not detected	1	0.73	ug/L	9/14/06	9/30/06
6010B/3010A	Thallium (Tl) (Dissolved)	6.2	5	1.97	ug/L	9/14/06	9/30/06
6010B/3010A	Zinc (Zn) (Dissolved)	133	50	31.8	ug/L	9/14/06	9/30/06

J = Estimated value.

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PL-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 Hunter's Point

Sample ID: IDW091106

Sample Collection Date: 09/11/06

APPL ID: AX48729

ARF: 51610

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date
9010B/9014	Cyanide	Not detected	10	5.0	ug/L	09/29/06	10/03/06
EPA 150.1	pH	7.66 @ 22.3			pH Units	09/13/06	09/13/06
EPA 160.1	Total Dissolved Solids	2780000	100000	44000	ug/L	09/15/06	09/15/06
EPA 160.2	Total Suspended Solids	11.0	10	1.18	mg/L	09/18/06	09/18/06
EPA 1664	Oil & Grease	Not detected	5.0	3.3	mg/L	09/25/06	09/25/06
EPA 300.0	Bromide	10.3	0.5	0.05	mg/L	09/26/06	09/26/06
EPA 300.0	Chloride	1790 E	1	0.08	mg/L	09/26/06	09/26/06
EPA 300.0	Fluoride	Not Detected	0.1	0.08	mg/L	09/26/06	09/26/06
EPA 300.0	Nitrate-N	Not Detected	0.2	0.004	mg/L	09/26/06	09/26/06
EPA 300.0	Nitrite-N	Not detected	0.1	0.01	mg/L	09/26/06	09/26/06
EPA 300.0	Phosphate-P	0.55	0.2	0.07	mg/L	09/26/06	09/26/06
EPA 300.0	Sulfate	243 E	1	0.09	mg/L	09/26/06	09/26/06
EPA 300.0	Chloride	1420	200	16.00	mg/L	09/26/06	09/26/06
EPA 300.0	Sulfate	190	10	0.90	mg/L	09/26/06	09/26/06
EPA 350.1	Ammonia as N	Not detected	0.35	0.122	mg/L	09/15/06	09/15/06
EPA 351.2	Total Kjeldahl Nitrogen	Not Detected	0.5	0.267	mg/L	09/29/06	09/29/06
EPA 376.1	Sulfide	Not detected	1.0	0.60	mg/L	09/18/06	09/18/06
EPA 7199	Hexavalent Chromium	Not detected	0.5	0.09	ug/L	09/12/06	09/12/06
EPA 7199	Hexavalent Chromium	Not detected	0.5	0.09	ug/L	10/09/06	10/09/06
SM2520B	Salinity	2.8	2	0.38	s	09/14/06	09/14/06

E = The reported value exceeds linear range.

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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
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676
E-MAIL: diane.silva@navy.mil

Appendix G.
Analytical Results for July-September 2006

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Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR06MW42A	Utility Line	0635M022	CLP MERCURY	FIL	MERCURY	0.17	UG/L	U	0.2
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	ARSENIC	5.7	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	BARIUM	177	UG/L	J	200
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	CALCIUM	42600	UG/L		5000
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	COBALT	0.97	UG/L	U	50
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	COPPER	1.3	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	IRON	5550	UG/L		100
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	MAGNESIUM	47600	UG/L		5000
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	MANGANESE	514	UG/L		15
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	NICKEL	4.3	UG/L	J	40
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	POTASSIUM	11600	UG/L		5000
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP METALS	DIL	SODIUM	125000	UG/L		25000
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR06MW42A	Utility Line	0635M022	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	4,4'-DDD	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	4,4'-DDE	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	4,4'-DDT	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	ALDRIN	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	alpha-BHC	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	AROCLOR-1016	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	AROCLOR-1221	0.4	UG/L	U	0.4
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	AROCLOR-1232	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	AROCLOR-1242	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	AROCLOR-1248	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	AROCLOR-1254	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	beta-BHC	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	delta-BHC	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	DIELDRIN	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	ENDOSULFAN I	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	ENDOSULFAN II	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	ENDOSULFAN SULFATE	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	ENDRIN	0.02	UG/L	U	0.02

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	ENDRIN ALDEHYDE	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	ENDRIN KETONE	0.02	UG/L	U	0.02
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	gamma-BHC (LINDANE)	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	HEPTACHLOR	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	HEPTACHLOR EPOXIDE	0.01	UG/L	U	0.01
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	METHOXYCHLOR	0.1	UG/L	U	0.1
IR06MW42A	Utility Line	0635M022	CLP PESTICIDES	NORM	TOXAPHENE	1	UG/L	U	1
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	1,1'-BIPHENYL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2,4,5-TRICHLOROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2,4,6-TRICHLOROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2,4-DICHLOROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2,4-DIMETHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2,4-DINITROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2,4-DINITROTOLUENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2,6-DINITROTOLUENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2-CHLORONAPHTHALENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2-CHLOROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2-METHYLNAPHTHALENE	2.8	UG/L	J	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2-METHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2-NITROANILINE	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	2-NITROPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	3,3'-DICHLOROBENZIDINE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	3-NITROANILINE	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4-BROMOPHENYL PHENYL ETHER	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4-CHLORO-3-METHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4-CHLOROANILINE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4-METHYLPHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4-NITROANILINE	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	4-NITROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	ACENAPHTHENE	41	UG/L		10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	ACENAPHTHYLENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	ACETOPHENONE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	ANTHRACENE	2.9	UG/L	J	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	ATRAZINE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BENZALDEHYDE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BENZO(ghi)PERYLENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BENZO(k)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	0635M022	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	BUTYL BENZYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	CAPROLACTAM	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	CARBAZOLE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	DIBENZOFURAN	9.4	UG/L	J	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	DIETHYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	DIMETHYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	DI-n-BUTYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	DI-n-OCTYL PHTHALATE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	FLUORANTHENE	9.9	UG/L	J	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	FLUORENE	10	UG/L		10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	HEXACHLOROBENZENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	HEXACHLOROBUTADIENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	HEXACHLOROETHANE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	ISOPHORONE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	NAPHTHALENE	38	UG/L		10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	NITROBENZENE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	N-NITROSODI-n-PROPYLAMINE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	N-NITROSODIPHENYLAMINE	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	PENTACHLOROPHENOL	25	UG/L	U	25
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	PHENANTHRENE	2.9	UG/L	J	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	PHENOL	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	PROPANE, 2,2'-OXYBIS[1-CHLORO-	10	UG/L	U	10
IR06MW42A	Utility Line	0635M022	CLP SEMIVOLATILES	NORM	PYRENE	4.9	UG/L	J	10
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	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	0635M022	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	BENZENE	0.18	UG/L	J	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	ETHYL BENZENE	1.3	UG/L		0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	ISOPROPYLBENZENE	1.	UG/L		0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	TOLUENE	0.44	UG/L	J	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	CLP VOLATILES	NORM	XYLENES (TOTAL)	2.4	UG/L		0.5
IR06MW42A	Utility Line	0635M022	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	UJ	10
IR06MW42A	Utility Line	0635M022	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR06MW42A	Utility Line	0635M022	EPA 8015	NORM	GASOLINE	17	UG/L	JH	20
IR06MW42A	Utility Line	0635M022	EPA 8015-M	NORM	DIESEL	520	UG/L		50
IR06MW42A	Utility Line	0635M022	EPA 8015-M	NORM	MOTOR OIL	480	UG/L	J	500
IR07MW19A	POC	0634V001	CLP MERCURY	FIL	MERCURY	0.089	UG/L	U	0.2

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MW19A	POC	0634V001	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW19A	POC	0634V001	CLP METALS	FIL	ANTIMONY	2.4	UG/L	U	60
IR07MW19A	POC	0634V001	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MW19A	POC	0634V001	CLP METALS	FIL	BARIUM	69.6	UG/L	J	200
IR07MW19A	POC	0634V001	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW19A	POC	0634V001	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW19A	POC	0634V001	CLP METALS	DIL1	CALCIUM	224000	UG/L	J	50000
IR07MW19A	POC	0634V001	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW19A	POC	0634V001	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR07MW19A	POC	0634V001	CLP METALS	FIL	COPPER	41.7	UG/L		25
IR07MW19A	POC	0634V001	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW19A	POC	0634V001	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MW19A	POC	0634V001	CLP METALS	DIL1	MAGNESIUM	666000	UG/L	J	50000
IR07MW19A	POC	0634V001	CLP METALS	FIL	MANGANESE	15	UG/L	U	15
IR07MW19A	POC	0634V001	CLP METALS	FIL	NICKEL	18.2	UG/L	J	40
IR07MW19A	POC	0634V001	CLP METALS	DIL1	POTASSIUM	194000	UG/L	J	50000
IR07MW19A	POC	0634V001	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW19A	POC	0634V001	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW19A	POC	0634V001	CLP METALS	DIL2	SODIUM	604000	UG/L	J	1000000
IR07MW19A	POC	0634V001	CLP METALS	FIL	THALLIUM	4.9	UG/L	UJ	25
IR07MW19A	POC	0634V001	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW19A	POC	0634V001	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	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
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW19A	POC	0634V001	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	4.0	MG/L	J	10
IR07MW19A	POC	0634V001	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR07MW19A	POC	0634V001	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW19A	POC	0634V001	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW19A	POC	0634V001	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW20A1	Post-Remedial Action	0634V004	CLP MERCURY	FIL	MERCURY	0.2	UG/L	U	0.2
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	BARIUM	42.8	UG/L	J	200
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	CADMIUM	0.62	UG/L	J	5
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	DIL1	CALCIUM	288000	UG/L	J	50000
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	CHROMIUM	9.8	UG/L	J	10

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	COPPER	32.2	UG/L		25
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	DIL1	MAGNESIUM	857000	UG/L	J	50000
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	MANGANESE	4.5	UG/L	U	15
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	NICKEL	32.3	UG/L	J	40
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	DIL1	POTASSIUM	277000	UG/L	J	50000
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	DIL2	SODIUM	7870000	UG/L	J	2500000
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	THALLIUM	8.8	UG/L	UJ	25
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW20A1	Post-Remedial Action	0634V004	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CHLOROFORM	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
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	7.0	MG/L	J	10
IR07MW20A1	Post-Remedial Action	0634V004	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MW20A1	Post-Remedial Action	0634V004	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW20A1	Post-Remedial Action	0634V004	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW20A1	Post-Remedial Action	0634V004	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW21A1	Post-Remedial Action	0634M006	CLP MERCURY	FIL	MERCURY	0.095	UG/L	U	0.2
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	BARIUM	110	UG/L	J	200
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	DIL	CALCIUM	128000	UG/L	J	25000
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	COPPER	4.8	UG/L	U	25
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	MAGNESIUM	93500	UG/L	J	5000
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	MANGANESE	763	UG/L		15
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	NICKEL	26.3	UG/L	J	40
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	POTASSIUM	13400	UG/L	J	5000

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	DIL	SODIUM	156000	UG/L	J	25000
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	THALLIUM	3.1	UG/L	UJ	25
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW21A1	Post-Remedial Action	0634M006	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	ETHYL BENZENE	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	0634M006	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW21A1	Post-Remedial Action	0634M006	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR07MW21A1	Post-Remedial Action	0634M006	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR07MW21A1	Post-Remedial Action	0634M006	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW21A1	Post-Remedial Action	0634M006	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW21A1	Post-Remedial Action	0634M006	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW23A	Sentinel	0634W006	CLP MERCURY	FIL	MERCURY	0.22	UG/L	U	0.2
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	BARIUM	68.2	UG/L	J	200
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	CALCIUM	71300	UG/L	J	5000
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	COBALT	7.5	UG/L	J	50
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	IRON	95.8	UG/L	J	100
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	MAGNESIUM	90100	UG/L	J	5000
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	MANGANESE	1370	UG/L		15
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	NICKEL	37.5	UG/L	J	40
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	POTASSIUM	8940	UG/L	J	5000
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW23A	Sentinel	0634W006	CLP METALS	DIL	SODIUM	79500	UG/L	J	25000
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	THALLIUM	2.1	UG/L	UJ	25
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW23A	Sentinel	0634W006	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	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
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.79	UG/L		0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5

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IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	TRICHLOROETHENE	0.36	UG/L	J	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	4.0	MG/L	J	10
IR07MW23A	Sentinel	0634W006	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MW23A	Sentinel	0634W006	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW23A	Sentinel	0634W006	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW23A	Sentinel	0634W006	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW24A	Post-Remedial Action	0634M005	CLP MERCURY	FIL	MERCURY	0.2	UG/L	U	0.2
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	ANTIMONY	3.9	UG/L	U	60
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	BARIUM	118	UG/L	J	200
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	DIL	CALCIUM	125000	UG/L	J	50000
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	COPPER	1.0	UG/L	J	25
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	IRON	270	UG/L	UJ	100
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	MAGNESIUM	86200	UG/L	J	5000
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	MANGANESE	1610	UG/L		15
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	NICKEL	24.2	UG/L	J	40
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	POTASSIUM	14400	UG/L	J	5000
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	DIL	SODIUM	160000	UG/L	J	50000
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	THALLIUM	2.0	UG/L	U	25
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW24A	Post-Remedial Action	0634M005	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5

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IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.29	UG/L	J	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW24A	Post-Remedial Action	0634M005	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR07MW24A	Post-Remedial Action	0634M005	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR07MW24A	Post-Remedial Action	0634M005	EPA 8015	NORM	GASOLINE	20	UG/L	U	20

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IR07MW24A	Post-Remedial Action	0634M005	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW24A	Post-Remedial Action	0634M005	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW25A	Post-Remedial Action	0634D005	CLP MERCURY	FIL	MERCURY	0.10	UG/L	U	0.2
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	ANTIMONY	3.2	UG/L	U	60
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	BARIUM	136	UG/L	J	200
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	DIL	CALCIUM	148000	UG/L	J	25000
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	COBALT	1.6	UG/L	J	50
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	COPPER	9.9	UG/L	J	25
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	MAGNESIUM	57700	UG/L	J	5000
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	MANGANESE	714	UG/L		15
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	NICKEL	19.9	UG/L	J	40
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	POTASSIUM	12900	UG/L	J	5000
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	DIL	SODIUM	150000	UG/L	J	25000
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	THALLIUM	25	UG/L	UJ	25
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW25A	Post-Remedial Action	0634D005	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW25A	Post-Remedial Action	0634D005	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR07MW25A	Post-Remedial Action	0634D005	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR07MW25A	Post-Remedial Action	0634D005	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW25A	Post-Remedial Action	0634D005	EPA 8015-M	NORM	DIESEL	150	UG/L		50
IR07MW25A	Post-Remedial Action	0634D005	EPA 8015-M	NORM	MOTOR OIL	340	UG/L	J	500
IR07MW26A	Post-Remedial Action	0634M003	CLP MERCURY	FIL	MERCURY	0.056	UG/L	U	0.2
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	BARIUM	66.4	UG/L	J	200
IR07MW26A	Post-Remedial Action	0634M003	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
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	CADMIUM	1.5	UG/L	J	5
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	DIL1	CALCIUM	323000	UG/L	J	50000
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	COPPER	24.9	UG/L	J	25
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	DIL1	MAGNESIUM	940000	UG/L	J	50000
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	MANGANESE	12.3	UG/L	J	15
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	NICKEL	40	UG/L	UJ	40
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	DIL1	POTASSIUM	306000	UG/L	J	50000
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	DIL2	SODIUM	10800000	UG/L	J	2500000
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	THALLIUM	9.1	UG/L	UJ	25
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MW26A	Post-Remedial Action	0634M003	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	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
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW26A	Post-Remedial Action	0634M003	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR07MW26A	Post-Remedial Action	0634M003	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR07MW26A	Post-Remedial Action	0634M003	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW26A	Post-Remedial Action	0634M003	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW26A	Post-Remedial Action	0634M003	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW27A	Sentinel	0635M023	CLP MERCURY	FIL	MERCURY	0.14	UG/L	U	0.2
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	ALUMINUM	47.4	UG/L	U	200
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	ARSENIC	9.6	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	BARIUM	54.2	UG/L	J	200
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	CALCIUM	33300	UG/L		5000
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	COPPER	1.1	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	IRON	112	UG/L		100
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	MAGNESIUM	39600	UG/L		5000

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	MANGANESE	693	UG/L		15
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	NICKEL	9.9	UG/L	J	40
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	POTASSIUM	7440	UG/L		5000
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	SELENIUM	3.4	UG/L	J	35
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP METALS	DIL	SODIUM	258000	UG/L		50000
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	VANADIUM	8.9	UG/L	J	50
IR07MW27A	Sentinel	0635M023	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	4,4'-DDD	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	4,4'-DDE	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	4,4'-DDT	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	ALDRIN	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	alpha-BHC	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	AROCLOR-1016	0.2	UG/L	U	0.2
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	AROCLOR-1221	0.4	UG/L	U	0.4
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	AROCLOR-1232	0.2	UG/L	U	0.2
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	AROCLOR-1242	0.2	UG/L	U	0.2
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	AROCLOR-1248	0.2	UG/L	U	0.2
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	AROCLOR-1254	0.2	UG/L	U	0.2
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	beta-BHC	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	delta-BHC	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	DIELDRIN	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	ENDOSULFAN I	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	ENDOSULFAN II	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	ENDOSULFAN SULFATE	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	ENDRIN	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	ENDRIN ALDEHYDE	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	ENDRIN KETONE	0.02	UG/L	U	0.02
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	gamma-BHC (LINDANE)	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	HEPTACHLOR	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	HEPTACHLOR EPOXIDE	0.01	UG/L	U	0.01
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	METHOXYCHLOR	0.1	UG/L	U	0.1
IR07MW27A	Sentinel	0635M023	CLP PESTICIDES	NORM	TOXAPHENE	1	UG/L	U	1
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	1,1'-BIPHENYL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2,4,5-TRICHLOROPHENOL	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2,4,6-TRICHLOROPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2,4-DICHLOROPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2,4-DIMETHYLPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2,4-DINITROPHENOL	25	UG/L	U	25

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IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2,4-DINITROTOLUENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2,6-DINITROTOLUENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2-CHLORONAPHTHALENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2-CHLOROPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2-METHYLNAPHTHALENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2-METHYLPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2-NITROANILINE	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	2-NITROPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	3,3'-DICHLOROBENZIDINE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	3-NITROANILINE	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4-BROMOPHENYL PHENYL ETHER	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4-CHLORO-3-METHYLPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4-CHLOROANILINE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4-METHYLPHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4-NITROANILINE	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	4-NITROPHENOL	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	ACENAPHTHENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	ACENAPHTHYLENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	ACETOPHENONE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	ANTHRACENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	ATRAZINE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BENZALDEHYDE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BENZO(ghi)PERYLENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	BUTYL BENZYL PHTHALATE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	CAPROLACTAM	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	CARBAZOLE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	DIBENZOFURAN	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	DIETHYL PHTHALATE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	DIMETHYL PHTHALATE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	DI-n-BUTYL PHTHALATE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	DI-n-OCTYL PHTHALATE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	FLUORANTHENE	10	UG/L	U	10

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IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	FLUORENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	HEXACHLOROBENZENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	HEXACHLOROBUTADIENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	HEXACHLOROETHANE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	ISOPHORONE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	NAPHTHALENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	NITROBENZENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	N-NITROSODI-n-PROPYLAMINE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	N-NITROSODIPHENYLAMINE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	PENTACHLOROPHENOL	25	UG/L	U	25
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	PHENANTHRENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	PHENOL	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	PROPANE, 2,2'-OXYBIS[1-CHLORO-	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP SEMIVOLATILES	NORM	PYRENE	10	UG/L	U	10
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5

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IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	UJ	10
IR07MW27A	Sentinel	0635M023	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MW27A	Sentinel	0635M023	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW27A	Sentinel	0635M023	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MW27A	Sentinel	0635M023	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP MERCURY	FIL	MERCURY	0.11	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	BARIUM	168	UG/L	J	200
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	DIL	CALCIUM	135000	UG/L		25000
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	COBALT	1.4	UG/L	U	50
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	IRON	8760	UG/L		100
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	MAGNESIUM	58600	UG/L		5000
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	MANGANESE	1160	UG/L		15

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IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	NICKEL	4.4	UG/L	J	40
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	POTASSIUM	13600	UG/L		5000
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	SELENIUM	5.4	UG/L	J	35
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	DIL	SODIUM	123000	UG/L		25000
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	VANADIUM	1.4	UG/L	J	50
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	4,4'-DDD	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	4,4'-DDE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	4,4'-DDT	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	ALDRIN	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	alpha-BHC	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	AROCLOR-1016	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	AROCLOR-1221	0.4	UG/L	U	0.4
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	AROCLOR-1232	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	AROCLOR-1242	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	AROCLOR-1248	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	AROCLOR-1254	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	beta-BHC	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	delta-BHC	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	DIELDRIN	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	ENDOSULFAN I	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	ENDOSULFAN II	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	ENDOSULFAN SULFATE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	ENDRIN	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	ENDRIN ALDEHYDE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	ENDRIN KETONE	0.02	UG/L	U	0.02
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	gamma-BHC (LINDANE)	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	HEPTACHLOR	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	HEPTACHLOR EPOXIDE	0.01	UG/L	U	0.01
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	METHOXYCHLOR	0.1	UG/L	U	0.1
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP PESTICIDES	NORM	TOXAPHENE	1	UG/L	U	1
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	1,1'-BIPHENYL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2,4,5-TRICHLOROPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2,4,6-TRICHLOROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2,4-DICHLOROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2,4-DIMETHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2,4-DINITROPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2,4-DINITROTOLUENE	10	UG/L	U	10

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2,6-DINITROTOLUENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2-CHLORONAPHTHALENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2-CHLOROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2-METHYLNAPHTHALENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2-METHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2-NITROANILINE	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	2-NITROPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	3,3'-DICHLOROBENZIDINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	3-NITROANILINE	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4-BROMOPHENYL PHENYL ETHER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4-CHLORO-3-METHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4-CHLOROANILINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4-METHYLPHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4-NITROANILINE	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	4-NITROPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	ACENAPHTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	ACENAPHTHYLENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	ACETOPHENONE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	ANTHRACENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	ATRAZINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BENZALDEHYDE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BENZO(ghi)PERYLENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	BUTYL BENZYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	CAPROLACTAM	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	CARBAZOLE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	DIBENZOFURAN	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	DIETHYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	DIMETHYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	DI-n-BUTYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	DI-n-OCTYL PHTHALATE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	FLUORANTHENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	FLUORENE	10	UG/L	U	10

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	HEXACHLOROBENZENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	HEXACHLOROBUTADIENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	HEXACHLOROETHANE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	ISOPHORONE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	NAPHTHALENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	NITROBENZENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	N-NITROSODI-n-PROPYLAMINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	N-NITROSODIPHENYLAMINE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	PENTACHLOROPHENOL	25	UG/L	U	25
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	PHENANTHRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	PHENOL	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	PROPANE, 2,2'-OXYBIS[1-CHLORO-	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP SEMIVOLATILES	NORM	PYRENE	10	UG/L	U	10
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	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
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	26.0	MG/L		10
IR07MW28A	On- and Offsite Mitigation	0634M015	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR07MW28A	On- and Offsite Mitigation	0634M015	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MW28A	On- and Offsite Mitigation	0634M015	EPA 8015-M	NORM	DIESEL	230	UG/L	H	50
IR07MW28A	On- and Offsite Mitigation	0634M015	EPA 8015-M	NORM	MOTOR OIL	450	UG/L	J	500
IR07MWS-2	POC	0634W008	CLP MERCURY	FIL	MERCURY	0.11	UG/L	U	0.2
IR07MWS-2	POC	0634W008	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MWS-2	POC	0634W008	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MWS-2	POC	0634W008	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR07MWS-2	POC	0634W008	CLP METALS	FIL	BARIUM	62.4	UG/L	J	200
IR07MWS-2	POC	0634W008	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR07MWS-2	POC	0634W008	CLP METALS	FIL	CADMIUM	1.8	UG/L	J	5
IR07MWS-2	POC	0634W008	CLP METALS	DIL1	CALCIUM	360000	UG/L		50000
IR07MWS-2	POC	0634W008	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MWS-2	POC	0634W008	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR07MWS-2	POC	0634W008	CLP METALS	FIL	COPPER	12.4	UG/L	J	25
IR07MWS-2	POC	0634W008	CLP METALS	FIL	IRON	100	UG/L	U	100
IR07MWS-2	POC	0634W008	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR07MWS-2	POC	0634W008	CLP METALS	DIL2	MAGNESIUM	1240000	UG/L		500000
IR07MWS-2	POC	0634W008	CLP METALS	FIL	MANGANESE	2.5	UG/L	U	15
IR07MWS-2	POC	0634W008	CLP METALS	FIL	NICKEL	11.3	UG/L	J	40

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR07MWS-2	POC	0634W008	CLP METALS	DIL1	POTASSIUM	334000	UG/L		50000
IR07MWS-2	POC	0634W008	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MWS-2	POC	0634W008	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MWS-2	POC	0634W008	CLP METALS	DIL3	SODIUM	10200000	UG/L		2500000
IR07MWS-2	POC	0634W008	CLP METALS	FIL	THALLIUM	6.6	UG/L	J	25
IR07MWS-2	POC	0634W008	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MWS-2	POC	0634W008	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	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-2	POC	0634W008	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MWS-2	POC	0634W008	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	22.0	MG/L		10
IR07MWS-2	POC	0634W008	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR07MWS-2	POC	0634W008	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MWS-2	POC	0634W008	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MWS-2	POC	0634W008	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR07MWS-4	POC	0634D007	CLP MERCURY	FIL	MERCURY	0.13	UG/L	U	0.2
IR07MWS-4	POC	0634D007	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR07MWS-4	POC	0634D007	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
IR07MWS-4	POC	0634D007	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR07MWS-4	POC	0634D007	CLP METALS	FIL	BARIUM	228	UG/L	J	200
IR07MWS-4	POC	0634D007	CLP METALS	FIL	BERYLLIUM	0.29	UG/L	J	5
IR07MWS-4	POC	0634D007	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR07MWS-4	POC	0634D007	CLP METALS	DIL1	CALCIUM	193000	UG/L	J	50000
IR07MWS-4	POC	0634D007	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR07MWS-4	POC	0634D007	CLP METALS	FIL	COBALT	6.1	UG/L	J	50
IR07MWS-4	POC	0634D007	CLP METALS	FIL	COPPER	11.3	UG/L	J	25
IR07MWS-4	POC	0634D007	CLP METALS	FIL	IRON	723	UG/L	J	100
IR07MWS-4	POC	0634D007	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR07MWS-4	POC	0634D007	CLP METALS	DIL1	MAGNESIUM	371000	UG/L	J	50000
IR07MWS-4	POC	0634D007	CLP METALS	DIL1	MANGANESE	4710	UG/L		150
IR07MWS-4	POC	0634D007	CLP METALS	FIL	NICKEL	13.2	UG/L	J	40
IR07MWS-4	POC	0634D007	CLP METALS	FIL	POTASSIUM	30800	UG/L	J	5000
IR07MWS-4	POC	0634D007	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR07MWS-4	POC	0634D007	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR07MWS-4	POC	0634D007	CLP METALS	DIL2	SODIUM	2230000	UG/L	J	500000
IR07MWS-4	POC	0634D007	CLP METALS	FIL	THALLIUM	2.8	UG/L	UJ	25
IR07MWS-4	POC	0634D007	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR07MWS-4	POC	0634D007	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR07MWS-4	POC	0634D007	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
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5

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IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	TRICHLOROETHENE	0.21	UG/L	J	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	UJ	10
IR07MWS-4	POC	0634D007	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR07MWS-4	POC	0634D007	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR07MWS-4	POC	0634D007	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR07MWS-4	POC	0634D007	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	16	UG/L	J	0.5
IR10MW13A1	VOC	0634H005	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
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	2.2	UG/L	J	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	TRICHLOROETHENE	6.2	UG/L	J	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	UJ	0.5
IR10MW13A1	VOC	0634H005	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	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
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW14A	VOC	0635D022	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP MERCURY	FIL	MERCURY	0.13	UG/L	U	0.2
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	ANTIMONY	3.2	UG/L	U	60
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	BARIUM	32.0	UG/L	J	200
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
IR10MW31A1	POC and VOC	0634C008	CLP METALS	DIL1	CALCIUM	125000	UG/L	J	25000
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	IRON	100	UG/L	UJ	100
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR10MW31A1	POC and VOC	0634C008	CLP METALS	DIL1	MAGNESIUM	290000	UG/L	J	25000
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	MANGANESE	434	UG/L		15
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	NICKEL	5.0	UG/L	J	40
IR10MW31A1	POC and VOC	0634C008	CLP METALS	DIL1	POTASSIUM	65800	UG/L	J	25000
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	SELENIUM	35	UG/L	U	35

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR10MW31A1	POC and VOC	0634C008	CLP METALS	DIL2	SODIUM	3840000	UG/L	J	500000
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	THALLIUM	3.4	UG/L	UJ	25
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR10MW31A1	POC and VOC	0634C008	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.37	UG/L	J	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	ISOPROPYLBENZENE	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	0634C008	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	4.0	MG/L	J	10
IR10MW31A1	POC and VOC	0634C008	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR10MW31A1	POC and VOC	0634C008	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR10MW31A1	POC and VOC	0634C008	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR10MW31A1	POC and VOC	0634C008	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	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
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	12	UG/L		0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	7.4	UG/L		0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	TRICHLOROETHENE	0.41	UG/L	J	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	VINYL CHLORIDE	3.1	UG/L		0.5
IR10MW33A	VOC	0634D008	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW33A	VOC	0634D008	EPA 8270C	NORM	1,4-DIOXANE	1.0	UG/L	UJ	1.0
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.35	UG/L	J	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5

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IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	73	UG/L		0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	7.3	UG/L		0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	TRICHLOROETHENE	7.0	UG/L		0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	VINYL CHLORIDE	0.24	UG/L	J	0.5
IR10MW59A	VOC	0635G011	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.40	UG/L	J	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5

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IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	45	UG/L		0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	4.2	UG/L		0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	TRICHLOROETHENE	1.1	UG/L		0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	VINYL CHLORIDE	15	UG/L		0.5
IR10MW61A	Supplemental (ZVI)	0634V005	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5

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IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	1.2	UG/L		0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	TRICHLOROETHENE	1.7	UG/L		0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW62A	Supplemental (ZVI)	0634G004	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.46	UG/L	J	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	BENZENE	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)	0635G012	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	CHLOROETHANE	0.90	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	94	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	13	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	TRICHLOROETHENE	67	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	VINYL CHLORIDE	5.1	UG/L		0.5
IR10MW71A	Supplemental (ZVI)	0635G012	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	BROMODICHLOROMETHANE	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
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	0.43	UG/L	J	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	TRICHLOROETHENE	0.54	UG/L		0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW76A	Supplemental (ZVI)	0635D019	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1

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IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW79A	Supplemental (ZVI)	0634V006	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,1-DICHLOROETHANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,2,3-TRICHLOROPROPANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,2-DIBROMO-3-CHLOROPROPANE	2	UG/L	U	2
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	BENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	BROMOBENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	BROMOMETHANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	CHLOROBENZENE	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
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	DIBROMOMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	DICHLORODIFLUOROMETHANE	1	UG/L	U	1
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	FREON 113	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	METHYLENE CHLORIDE	5	UG/L	U	5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	TOLUENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR10MW80A	Supplemental (ZVI)	0634G003	EPA 8260B	NORM	XYLENES	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP MERCURY	FIL	MERCURY	0.11	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	ANTIMONY	60	UG/L	UJ	60
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	BARIUM	219	UG/L		200
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	BERYLLIUM	5.0	UG/L	UJ	5.0
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	CADMIUM	5.0	UG/L	U	5.0
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	DIL	CALCIUM	152000	UG/L		25000
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	IRON	181	UG/L		100
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	MAGNESIUM	68400	UG/L		5000
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	MANGANESE	1220	UG/L		15
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	NICKEL	3.7	UG/L	J	40
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	POTASSIUM	11100	UG/L		5000
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	DIL	SODIUM	102000	UG/L		25000
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	VANADIUM	50	UG/L	UJ	50
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP METALS	FIL	ZINC	60	UG/L	U	60

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	4,4'-DDD	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	4,4'-DDE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	4,4'-DDT	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	ALDRIN	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	alpha-BHC	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	AROCLOR-1016	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	AROCLOR-1221	0.4	UG/L	U	0.4
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	AROCLOR-1232	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	AROCLOR-1242	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	AROCLOR-1248	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	AROCLOR-1254	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	beta-BHC	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	delta-BHC	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	DIELDRIN	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	ENDOSULFAN I	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	ENDOSULFAN II	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	ENDOSULFAN SULFATE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	ENDRIN	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	ENDRIN ALDEHYDE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	ENDRIN KETONE	0.02	UG/L	U	0.02
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	gamma-BHC (LINDANE)	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	HEPTACHLOR	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	HEPTACHLOR EPOXIDE	0.01	UG/L	U	0.01
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	METHOXYCHLOR	0.1	UG/L	U	0.1
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP PESTICIDES	NORM	TOXAPHENE	1	UG/L	U	1
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	1,1'-BIPHENYL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2,4,5-TRICHLOROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2,4,6-TRICHLOROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2,4-DICHLOROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2,4-DIMETHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2,4-DINITROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2,4-DINITROTOLUENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2,6-DINITROTOLUENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2-CHLORONAPHTHALENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2-CHLOROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2-METHYLNAPHTHALENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2-METHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2-NITROANILINE	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	2-NITROPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	3,3'-DICHLOROBENZIDINE	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	0635M019	CLP SEMIVOLATILES	NORM	3-NITROANILINE	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4-BROMOPHENYL PHENYL ETHER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4-CHLORO-3-METHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4-CHLOROANILINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4-METHYLPHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4-NITROANILINE	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	4-NITROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	ACENAPHTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	ACENAPHTHYLENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	ACETOPHENONE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	ANTHRACENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	ATRAZINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BENZALDEHYDE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BENZO(ghi)PERYLENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	BUTYL BENZYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	CAPROLACTAM	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	CARBAZOLE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	DIBENZOFURAN	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	DIETHYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	DIMETHYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	DI-n-BUTYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	DI-n-OCTYL PHTHALATE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	FLUORANTHENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	FLUORENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	HEXACHLOROBENZENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	HEXACHLOROBUTADIENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	HEXACHLOROETHANE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	ISOPHORONE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	NAPHTHALENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	NITROBENZENE	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	0635M019	CLP SEMIVOLATILES	NORM	N-NITROSODI-n-PROPYLAMINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	N-NITROSODIPHENYLAMINE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	PENTACHLOROPHENOL	25	UG/L	U	25
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	PHENANTHRENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	PHENOL	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	PROPANE, 2,2'-OXYBIS[1-CHLORO-	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP SEMIVOLATILES	NORM	PYRENE	10	UG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.47	UG/L	J	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CHLOROBENZENE	2.5	UG/L		0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	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	0635M019	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	UJ	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR18MW21A	On- and Offsite Mitigation	0635M019	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.15	UG/L	J	0.5
IR18MW21A	On- and Offsite Mitigation	0635M019	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR18MW21A	On- and Offsite Mitigation	0635M019	EPA 8015-M	NORM	DIESEL	280	UG/L	Z	50
IR18MW21A	On- and Offsite Mitigation	0635M019	EPA 8015-M	NORM	MOTOR OIL	490	UG/L	J	500
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	1.6	UG/L		0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	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
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	1.6	UG/L		0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR25MW17A	Sentinel and VOC	0634M014	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	ALUMINUM	162	UG/L		100
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	ANTIMONY	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	ARSENIC	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	BARIUM	38.1	UG/L		5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	BERYLLIUM	2	UG/L	U	2
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	CADMIUM	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	CHROMIUM	7.1	UG/L		5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	COBALT	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	COPPER	6.1	UG/L		5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	LEAD	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	MANGANESE	133	UG/L		5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	NICKEL	7.6	UG/L		5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	SELENIUM	5	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	SILVER	1	UG/L	U	1
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	THALLIUM	2.7	UG/L	U	5
IR25MW17A	Sentinel and VOC	0634M014	EPA 6010B	FIL	ZINC	50	UG/L	U	50

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR25MW17A	Sentinel and VOC	0634M014	EPA 7199	NORM	HEXAVALENT CHROMIUM	4.7	UG/L	J	0.5
IR25MW17A	Sentinel and VOC	0634M014	EPA 7470A	FIL	MERCURY	0.084	UG/L	U	0.2
IR25MW17A	Sentinel and VOC	0634M014	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR25MW17A	Sentinel and VOC	0634M014	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR25MW17A	Sentinel and VOC	0634M014	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CARBON DISULFIDE	1.5	UG/L		0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	ISOPROPYLBENZENE	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
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR25MW37A	VOC	0635D023	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP MERCURY	FIL	MERCURY	0.15	UG/L	U	0.2
IR26MW41A	POC	0635M021	CLP METALS	FIL	ALUMINUM	29.8	UG/L	U	200
IR26MW41A	POC	0635M021	CLP METALS	FIL	ANTIMONY	2.3	UG/L	J	60
IR26MW41A	POC	0635M021	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR26MW41A	POC	0635M021	CLP METALS	FIL	BARIUM	51.2	UG/L	J	200
IR26MW41A	POC	0635M021	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
IR26MW41A	POC	0635M021	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
IR26MW41A	POC	0635M021	CLP METALS	FIL	CALCIUM	12800	UG/L		5000
IR26MW41A	POC	0635M021	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW41A	POC	0635M021	CLP METALS	FIL	COBALT	0.79	UG/L	U	50
IR26MW41A	POC	0635M021	CLP METALS	FIL	COPPER	3.0	UG/L	U	25
IR26MW41A	POC	0635M021	CLP METALS	FIL	IRON	158	UG/L		100
IR26MW41A	POC	0635M021	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR26MW41A	POC	0635M021	CLP METALS	FIL	MAGNESIUM	46900	UG/L		5000
IR26MW41A	POC	0635M021	CLP METALS	FIL	MANGANESE	346	UG/L		15
IR26MW41A	POC	0635M021	CLP METALS	FIL	NICKEL	35.9	UG/L	J	40
IR26MW41A	POC	0635M021	CLP METALS	FIL	POTASSIUM	1220	UG/L	J	5000
IR26MW41A	POC	0635M021	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR26MW41A	POC	0635M021	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR26MW41A	POC	0635M021	CLP METALS	DIL	SODIUM	130000	UG/L		25000
IR26MW41A	POC	0635M021	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR26MW41A	POC	0635M021	CLP METALS	FIL	VANADIUM	1.1	UG/L	J	50
IR26MW41A	POC	0635M021	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	12	UG/L		0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	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	0635M021	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.24	UG/L	J	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	25	UG/L		0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.51	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	TRICHLOROETHENE	0.20	UG/L	J	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	2.3	UG/L		0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR26MW41A	POC	0635M021	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	UJ	10

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IR26MW41A	POC	0635M021	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR26MW41A	POC	0635M021	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR26MW41A	POC	0635M021	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR26MW41A	POC	0635M021	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR26MW46A	Supplemental	0634D009	CLP MERCURY	FIL	MERCURY	0.079	UG/L	U	0.2
IR26MW46A	Supplemental	0634D009	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR26MW46A	Supplemental	0634D009	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP METALS	DIL	MANGANESE	2320	UG/L		75
IR26MW46A	Supplemental	0634D009	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR26MW46A	Supplemental	0634D009	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW46A	Supplemental	0634D009	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW46A	Supplemental	0634D009	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW46A	Supplemental	0634D009	CLP SEMIVOLATILES	NORM	BENZO(a)ANTHRACENE	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW46A	Supplemental	0634D009	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	11.0	MG/L		10
IR26MW46A	Supplemental	0634D009	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR26MW47A	Supplemental	0634D010	CLP MERCURY	FIL	MERCURY	0.77	UG/L	U	0.2
IR26MW47A	Supplemental	0634D010	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP METALS	FIL	CHROMIUM	4.9	UG/L	J	10
IR26MW47A	Supplemental	0634D010	CLP METALS	FIL	COPPER	48.5	UG/L		25
IR26MW47A	Supplemental	0634D010	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP METALS	FIL	MANGANESE	15	UG/L	U	15
IR26MW47A	Supplemental	0634D010	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR26MW47A	Supplemental	0634D010	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW47A	Supplemental	0634D010	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW47A	Supplemental	0634D010	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW47A	Supplemental	0634D010	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW47A	Supplemental	0634D010	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	14.0	MG/L		10
IR26MW47A	Supplemental	0634D010	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR26MW48A	Supplemental	0634W005	CLP MERCURY	FIL	MERCURY	0.096	UG/L	U	0.2

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
IR26MW48A	Supplemental	0634W005	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
IR26MW48A	Supplemental	0634W005	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	CLP METALS	FIL	COPPER	9.8	UG/L	J	25
IR26MW48A	Supplemental	0634W005	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR26MW48A	Supplemental	0634W005	CLP METALS	FIL	MANGANESE	56.6	UG/L		15
IR26MW48A	Supplemental	0634W005	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
IR26MW48A	Supplemental	0634W005	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW48A	Supplemental	0634W005	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW48A	Supplemental	0634W005	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW48A	Supplemental	0634W005	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW48A	Supplemental	0634W005	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	17.0	MG/L	J	10
IR26MW48A	Supplemental	0634W005	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	U	0.5
IR26MW49A	Supplemental	0634H002	CLP MERCURY	FIL	MERCURY	0.60	UG/L	U	0.2
IR26MW49A	Supplemental	0634H002	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP METALS	FIL	COPPER	12.6	UG/L	J	25
IR26MW49A	Supplemental	0634H002	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP METALS	FIL	MANGANESE	25.0	UG/L		15
IR26MW49A	Supplemental	0634H002	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR26MW49A	Supplemental	0634H002	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW49A	Supplemental	0634H002	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW49A	Supplemental	0634H002	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW49A	Supplemental	0634H002	CLP SEMIVOLATILES	NORM	BENZO(a)ANTHRACENE	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW49A	Supplemental	0634H002	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	16.0	MG/L		10
IR26MW49A	Supplemental	0634H002	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR26MW50A	Supplemental	0634H001	CLP MERCURY	FIL	MERCURY	0.11	UG/L	U	0.2
IR26MW50A	Supplemental	0634H001	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP METALS	FIL	COPPER	14.1	UG/L	J	25
IR26MW50A	Supplemental	0634H001	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP METALS	FIL	MANGANESE	153	UG/L		15

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IR26MW50A	Supplemental	0634H001	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR26MW50A	Supplemental	0634H001	CLP PESTICIDES	NORM	alpha-CHLORDANE	0.01	UG/L	U	0.01
IR26MW50A	Supplemental	0634H001	CLP PESTICIDES	NORM	AROCLOR-1260	0.2	UG/L	U	0.2
IR26MW50A	Supplemental	0634H001	CLP PESTICIDES	NORM	gamma-CHLORDANE	0.01	UG/L	U	0.01
IR26MW50A	Supplemental	0634H001	CLP SEMIVOLATILES	NORM	BENZ(a)ANTHRACENE	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP SEMIVOLATILES	NORM	BENZO(a)PYRENE	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP SEMIVOLATILES	NORM	BENZO(b)FLUORANTHENE	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP SEMIVOLATILES	NORM	BENZO(k)FLUORANTHENE	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP SEMIVOLATILES	NORM	CHRYSENE	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP SEMIVOLATILES	NORM	DIBENZ(a,h)ANTHRACENE	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	CLP SEMIVOLATILES	NORM	INDENO(1,2,3-cd)PYRENE	10	UG/L	U	10
IR26MW50A	Supplemental	0634H001	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	8.0	MG/L	J	10
IR26MW50A	Supplemental	0634H001	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR46MW37A	POC	0635D027	CLP MERCURY	FIL	MERCURY	0.14	UG/L	U	0.2
IR46MW37A	POC	0635D027	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR46MW37A	POC	0635D027	CLP METALS	FIL	ANTIMONY	2.4	UG/L	UJ	60
IR46MW37A	POC	0635D027	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR46MW37A	POC	0635D027	CLP METALS	FIL	BARIUM	46.5	UG/L	J	200
IR46MW37A	POC	0635D027	CLP METALS	FIL	BERYLLIUM	5.0	UG/L	U	5.0
IR46MW37A	POC	0635D027	CLP METALS	FIL	CADMIUM	5.0	UG/L	U	5.0
IR46MW37A	POC	0635D027	CLP METALS	FIL	CALCIUM	24700	UG/L		5000
IR46MW37A	POC	0635D027	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR46MW37A	POC	0635D027	CLP METALS	FIL	COBALT	50	UG/L	U	50
IR46MW37A	POC	0635D027	CLP METALS	FIL	COPPER	25	UG/L	U	25
IR46MW37A	POC	0635D027	CLP METALS	FIL	IRON	100	UG/L	U	100
IR46MW37A	POC	0635D027	CLP METALS	FIL	LEAD	10	UG/L	U	10
IR46MW37A	POC	0635D027	CLP METALS	DIL	MAGNESIUM	216000	UG/L		25000
IR46MW37A	POC	0635D027	CLP METALS	FIL	MANGANESE	31.5	UG/L		15
IR46MW37A	POC	0635D027	CLP METALS	FIL	NICKEL	4.6	UG/L	J	40
IR46MW37A	POC	0635D027	CLP METALS	FIL	POTASSIUM	4370	UG/L	J	5000
IR46MW37A	POC	0635D027	CLP METALS	FIL	SELENIUM	5.8	UG/L	J	35
IR46MW37A	POC	0635D027	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR46MW37A	POC	0635D027	CLP METALS	DIL	SODIUM	227000	UG/L	J	25000
IR46MW37A	POC	0635D027	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR46MW37A	POC	0635D027	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
IR46MW37A	POC	0635D027	CLP METALS	FIL	ZINC	98.0	UG/L		60
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	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	0635D027	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR46MW37A	POC	0635D027	CLP VOLATILES	NORM	XYLENES (TOTAL)	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	0635D027	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	2.0	MG/L	J	10
IR46MW37A	POC	0635D027	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR46MW37A	POC	0635D027	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR46MW37A	POC	0635D027	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR46MW37A	POC	0635D027	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
IR61MW05A	Sentinel	0634M013	CLP MERCURY	FIL	MERCURY	0.12	UG/L	U	0.2
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	ANTIMONY	60	UG/L	UJ	60
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	BARIUM	302	UG/L		200
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	BERYLLIUM	5	UG/L	UJ	5
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	CALCIUM	61800	UG/L		5000
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	COBALT	3.1	UG/L	U	50
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	COPPER	4.9	UG/L	J	25
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	IRON	152	UG/L		100
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
IR61MW05A	Sentinel	0634M013	CLP METALS	DIL	MAGNESIUM	446000	UG/L		50000
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	MANGANESE	494	UG/L		15
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	NICKEL	22.4	UG/L	J	40
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	POTASSIUM	2730	UG/L	J	5000
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	SILVER	10	UG/L	U	10
IR61MW05A	Sentinel	0634M013	CLP METALS	DIL	SODIUM	420000	UG/L		50000
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	VANADIUM	50	UG/L	UJ	50
IR61MW05A	Sentinel	0634M013	CLP METALS	FIL	ZINC	60	UG/L	U	60
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	1,4-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
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
IR61MW05A	Sentinel	0634M013	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	2.0	MG/L	J	10
IR61MW05A	Sentinel	0634M013	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
IR61MW05A	Sentinel	0634M013	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
IR61MW05A	Sentinel	0634M013	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
IR61MW05A	Sentinel	0634M013	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
PA50MW01A	POC and VOC	0634W009	CLP MERCURY	FIL	MERCURY	0.091	UG/L	U	0.2
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	ANTIMONY	60	UG/L	UJ	60

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	ARSENIC	10	UG/L	U	10
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	BARIUM	169	UG/L	J	200
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	BERYLLIUM	0.42	UG/L	J	5
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	CADMIUM	5	UG/L	U	5
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	CALCIUM	54000	UG/L		5000
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	COBALT	50	UG/L	U	50
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	COPPER	3.1	UG/L	UJ	25
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	IRON	100	UG/L	U	100
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
PA50MW01A	POC and VOC	0634W009	CLP METALS	DIL	MAGNESIUM	152000	UG/L		50000
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	MANGANESE	89.8	UG/L		15
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	NICKEL	7.6	UG/L	J	40
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	POTASSIUM	13800	UG/L		5000
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	SILVER	10	UG/L	U	10
PA50MW01A	POC and VOC	0634W009	CLP METALS	DIL	SODIUM	527000	UG/L		50000
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	THALLIUM	25	UG/L	U	25
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	VANADIUM	2.1	UG/L	J	50
PA50MW01A	POC and VOC	0634W009	CLP METALS	FIL	ZINC	60	UG/L	U	60
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	ACETONE	5	UG/L	UJ	5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	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
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	0.31	UG/L	J	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	UJ	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
PA50MW01A	POC and VOC	0634W009	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
PA50MW01A	POC and VOC	0634W009	EPA 7199	NORM	HEXAVALENT CHROMIUM	0.5	UG/L	UJ	0.5
PA50MW01A	POC and VOC	0634W009	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
PA50MW01A	POC and VOC	0634W009	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
PA50MW01A	POC and VOC	0634W009	EPA 8015-M	NORM	MOTOR OIL	500	UG/L	U	500
UT03MW11A	Sentinel	0634D003	CLP MERCURY	FIL	MERCURY	0.056	UG/L	U	0.2
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	ALUMINUM	200	UG/L	U	200
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	ANTIMONY	60	UG/L	U	60
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	ARSENIC	10	UG/L	UJ	10
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	BARIUM	60.2	UG/L	J	200
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	BERYLLIUM	5	UG/L	U	5
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	CADMIUM	5	UG/L	UJ	5
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	CALCIUM	23400	UG/L	J	5000
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	CHROMIUM	10	UG/L	U	10
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	COBALT	50	UG/L	U	50
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	COPPER	2.1	UG/L	J	25

Well ID	Well Type	Sample Number	Analytical Method	Sample Type	Analyte	Result	Units	Final Qualifier 1	Analytical PQL
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	IRON	100	UG/L	UJ	100
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	LEAD	10	UG/L	UJ	10
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	MAGNESIUM	90400	UG/L	J	5000
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	MANGANESE	74.4	UG/L		15
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	NICKEL	8.6	UG/L	J	40
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	POTASSIUM	22500	UG/L	J	5000
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	SELENIUM	35	UG/L	U	35
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	SILVER	10	UG/L	U	10
UT03MW11A	Sentinel	0634D003	CLP METALS	DIL	SODIUM	508000	UG/L	J	100000
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	THALLIUM	5.0	UG/L	UJ	25
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	VANADIUM	50	UG/L	U	50
UT03MW11A	Sentinel	0634D003	CLP METALS	FIL	ZINC	60	UG/L	UJ	60
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,1,1-TRICHLOROETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,1,2-TRICHLOROETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,1-DICHLOROETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,1-DICHLOROETHENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,2-DIBROMO-3-CHLOROPROPANE	1	UG/L	U	1
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,2-DIBROMOETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,2-DICHLOROBENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,2-DICHLOROETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,2-DICHLOROPROPANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,3-DICHLOROBENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	1,4-DICHLOROBENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	2-BUTANONE	5	UG/L	U	5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	2-HEXANONE	5	UG/L	U	5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	4-METHYL-2-PENTANONE	5	UG/L	U	5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	ACETONE	5	UG/L	U	5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	BENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	BROMOCHLOROMETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	BROMODICHLOROMETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	BROMOFORM	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	BROMOMETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CARBON DISULFIDE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CARBON TETRACHLORIDE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CHLOROBENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CHLOROETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CHLOROFORM	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CHLOROMETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	cis-1,2-DICHLOROETHENE	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
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CYCLOHEXANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	CYCLOHEXANE, METHYL-	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	DIBROMOCHLOROMETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	DICHLORODIFLUOROMETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	ETHYL BENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	ISOPROPYLBENZENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	METHYL ACETATE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	METHYL tert-BUTYL ETHER	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	METHYLENE CHLORIDE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	STYRENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	TETRACHLOROETHENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	TOLUENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	trans-1,2-DICHLOROETHENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	TRICHLOROETHENE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	TRICHLOROFLUOROMETHANE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	VINYL CHLORIDE	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	CLP VOLATILES	NORM	XYLENES (TOTAL)	0.5	UG/L	U	0.5
UT03MW11A	Sentinel	0634D003	EPA 160.2	NORM	TOTAL SUSPENDED SOLIDS	10	MG/L	U	10
UT03MW11A	Sentinel	0634D003	EPA 7199	NORM	HEXAVALENT CHROMIUM	1.9	UG/L	J	0.5
UT03MW11A	Sentinel	0634D003	EPA 8015	NORM	GASOLINE	20	UG/L	U	20
UT03MW11A	Sentinel	0634D003	EPA 8015-M	NORM	DIESEL	50	UG/L	U	50
UT03MW11A	Sentinel	0634D003	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
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 Detected Result
Z Fuel pattern does not resemble TPH
Laboratory Qualifiers:
U Nondetected Result

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Appendix H.
Field Duplicate Results for July-September 2006

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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]
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	ALUMINUM	FIL	UG/L	200	U	200	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	ARSENIC	FIL	UG/L	10	UJ	10	UJ	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	BARIUM	FIL	UG/L	69.6	J	69.3	J	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	BERYLLIUM	FIL	UG/L	5	U	5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	CADMIUM	FIL	UG/L	5	UJ	5	UJ	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	CALCIUM	DIL1	UG/L	224000	J	214000	J	5
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	CHROMIUM	FIL	UG/L	10	U	10	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	COBALT	FIL	UG/L	50	U	50	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	COPPER	FIL	UG/L	41.7		44.2		6
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	IRON	FIL	UG/L	100	UJ	100	UJ	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	LEAD	FIL	UG/L	10	UJ	10	UJ	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	MAGNESIUM	DIL1	UG/L	666000	J	637000	J	4
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	MANGANESE	FIL	UG/L	15	U	15	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	NICKEL	FIL	UG/L	18.2	J	17.8	J	2
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	POTASSIUM	DIL1	UG/L	194000	J	186000	J	4
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	SELENIUM	FIL	UG/L	35	U	35	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	SILVER	FIL	UG/L	10	U	10	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	SODIUM	DIL2	UG/L	604000	J	451000	J	29
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	VANADIUM	FIL	UG/L	50	U	50	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	ZINC	FIL	UG/L	60	UJ	60	UJ	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,1-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,1-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,2,3-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	1	U	1	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,2-DIBROMOETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	2-BUTANONE	NORM	UG/L	5	U	5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	2-HEXANONE	NORM	UG/L	5	U	5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	4-METHYL-2-PENTANONE	NORM	UG/L	5	U	5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	ACETONE	NORM	UG/L	5	U	5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	BROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	BROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CARBON DISULFIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0

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]
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	cis-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CYCLOHEXANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	CYCLOHEXANE, METHYL-	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	DICHLORODIFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	ISOPROPYLBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	METHYL ACETATE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	METHYLENE CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	STYRENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	trans-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	TRICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	VINYL CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	CLP VOLATILES	XYLENES (TOTAL)	NORM	UG/L	0.5	U	0.5	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	EPA 7199	HEXAVALENT CHROMIUM	NORM	UG/L	0.5	UJ	0.5	UJ	0
IR07MW19A	0634V001	0634V002	8/22/2006	EPA 8015	GASOLINE	NORM	UG/L	20	U	20	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	EPA 8015-M	DIESEL	NORM	UG/L	50	U	50	U	0
IR07MW19A	0634V001	0634V002	8/22/2006	EPA 8015-M	MOTOR OIL	NORM	UG/L	500	U	500	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP MERCURY	MERCURY	FIL	UG/L	0.056	U	0.058	U	4
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	CALCIUM	DIL1	UG/L	323000	J	329000	J	2
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,1-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,1-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,2,3-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	1	U	1	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,2-DIBROMOETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	2-BUTANONE	NORM	UG/L	5	U	5	U	0

Field Duplicate Results July to September 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]
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	2-HEXANONE	NORM	UG/L	5	U	5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	4-METHYL-2-PENTANONE	NORM	UG/L	5	U	5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	ACETONE	NORM	UG/L	5	U	5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	BROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	BROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CARBON DISULFIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	cis-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CYCLOHEXANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	CYCLOHEXANE, METHYL-	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	DICHLORODIFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	ISOPROPYLBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	METHYL ACETATE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	METHYLENE CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	STYRENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	trans-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	TRICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	VINYL CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	CLP VOLATILES	XYLENES (TOTAL)	NORM	UG/L	0.5	U	0.5	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	EPA 160.2	TOTAL SUSPENDED SOLIDS	NORM	MG/L	10	U	10	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	EPA 7199	HEXAVALENT CHROMIUM	NORM	UG/L	0.5	UJ	0.5	UJ	0
IR07MW26A	0634M003	0634M004	8/22/2006	EPA 8015	GASOLINE	NORM	UG/L	20	U	20	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	EPA 8015-M	DIESEL	NORM	UG/L	50	U	50	U	0
IR07MW26A	0634M003	0634M004	8/22/2006	EPA 8015-M	MOTOR OIL	NORM	UG/L	500	U	500	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	ALUMINUM	FIL	UG/L	200	U	200	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	ANTIMONY	FIL	UG/L	60	U	60	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	ARSENIC	FIL	UG/L	10	UJ	10	UJ	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	BARIUM	FIL	UG/L	60.2	J	60.9	J	1
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	BERYLLIUM	FIL	UG/L	5	U	5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	CADMIUM	FIL	UG/L	5	UJ	5	UJ	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	CALCIUM	FIL	UG/L	23400	J	24000	J	3

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]
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	CHROMIUM	FIL	UG/L	10	U	10	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	COBALT	FIL	UG/L	50	U	50	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	LEAD	FIL	UG/L	10	UJ	10	UJ	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	MAGNESIUM	FIL	UG/L	90400	J	92700	J	3
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	MANGANESE	FIL	UG/L	74.4		77.0		3
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	NICKEL	FIL	UG/L	8.6	J	8.7	J	1
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	POTASSIUM	FIL	UG/L	22500	J	23400	J	4
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	SILVER	FIL	UG/L	10	U	10	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	SODIUM	DIL	UG/L	508000	J	520000	J	2
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	VANADIUM	FIL	UG/L	50	U	50	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	ZINC	FIL	UG/L	60	UJ	60	UJ	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,1-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,1-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,2,3-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	1	U	1	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,2-DIBROMOETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	2-BUTANONE	NORM	UG/L	5	U	5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	2-HEXANONE	NORM	UG/L	5	U	5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	4-METHYL-2-PENTANONE	NORM	UG/L	5	U	5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	ACETONE	NORM	UG/L	5	U	5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	BROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	BROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CARBON DISULFIDE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	cis-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CYCLOHEXANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	CYCLOHEXANE, METHYL-	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0

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]
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	DICHLORODIFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	ISOPROPYLBENZENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	METHYL ACETATE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	METHYLENE CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	STYRENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	trans-1,2-DICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	TRICHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	VINYL CHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	CLP VOLATILES	XYLENES (TOTAL)	NORM	UG/L	0.5	U	0.5	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	EPA 160.2	TOTAL SUSPENDED SOLIDS	NORM	MG/L	10	U	10	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	EPA 7199	HEXAVALENT CHROMIUM	NORM	UG/L	1.9	J	2.1	J	10
UT03MW11A	0634D003	0634D004	8/22/2006	EPA 8015	GASOLINE	NORM	UG/L	20	U	20	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	EPA 8015-M	DIESEL	NORM	UG/L	50	U	50	U	0
UT03MW11A	0634D003	0634D004	8/22/2006	EPA 8015-M	MOTOR OIL	NORM	UG/L	500	U	500	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,1,1,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,1,1-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,1,2,2-TETRACHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,1,2-TRICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,1-DICHLOROETHANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,1-DICHLOROETHENE	NORM	UG/L	0.46	J	0.53		14
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,2,3-TRICHLOROPROPANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,2,4-TRICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	NORM	UG/L	2	U	2	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,2-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,2-DICHLOROETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,2-DICHLOROPROPANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,3-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	1,4-DICHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	BROMOBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	BROMODICHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	BROMOFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	BROMOMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	CARBON TETRACHLORIDE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	CHLOROBENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	CHLOROETHANE	NORM	UG/L	0.90		1.1		20
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	CHLOROFORM	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	CHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	cis-1,2-DICHLOROETHENE	NORM	UG/L	94		100		6
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	cis-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0

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	0635G012	0635G013	8/28/2006	EPA 8260B	DIBROMOCHLOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	DIBROMOMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	DICHLORODIFLUOROMETHANE	NORM	UG/L	1	U	1	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	ETHYL BENZENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	FREON 113	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	METHYL tert-BUTYL ETHER	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	METHYLENE CHLORIDE	NORM	UG/L	5	U	5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	TETRACHLOROETHENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	TOLUENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	trans-1,2-DICHLOROETHENE	NORM	UG/L	13		14		7
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	trans-1,3-DICHLOROPROPENE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	TRICHLOROETHENE	NORM	UG/L	67		70		4
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	TRICHLOROFLUOROMETHANE	NORM	UG/L	0.5	U	0.5	U	0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	VINYL CHLORIDE	NORM	UG/L	5.1		5.1		0
IR10MW71A	0635G012	0635G013	8/28/2006	EPA 8260B	XYLENES	NORM	UG/L	0.5	U	0.5	U	0
Samples with Relative Percent Difference (RPD) 30% or Greater [2,3]												
IR07MW19A	0634V001	0634V002	8/22/2006	CLP MERCURY	MERCURY	FIL	UG/L	0.089	U	0.055	U	47
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	ANTIMONY	FIL	UG/L	2.4	U	60	U	185
IR07MW19A	0634V001	0634V002	8/22/2006	CLP METALS	THALLIUM	FIL	UG/L	4.9	UJ	7.1	UJ	37
IR07MW19A	0634V001	0634V002	8/22/2006	EPA 160.2	TOTAL SUSPENDED SOLIDS	NORM	MG/L	4.0	J	10	U	86
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	ALUMINUM	FIL	UG/L	200	U	1000	U	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	ANTIMONY	FIL	UG/L	60	U	300	U	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	ARSENIC	FIL	UG/L	10	UJ	50	UJ	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	BARIUM	FIL	UG/L	66.4	J	92.6	J	33
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	BERYLLIUM	FIL	UG/L	5	U	2.0	J	86
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	CADMIUM	FIL	UG/L	1.5	J	25	UJ	177
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	CHROMIUM	FIL	UG/L	10	U	50	U	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	COBALT	FIL	UG/L	50	U	250	U	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	COPPER	FIL	UG/L	24.9	J	11.9	J	71
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	IRON	FIL	UG/L	100	UJ	500	UJ	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	LEAD	FIL	UG/L	10	UJ	50	UJ	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	MAGNESIUM	DIL1	UG/L	940000	J	1820000	J	64
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	MANGANESE	FIL	UG/L	12.3	J	32.1	J	89
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	NICKEL	FIL	UG/L	40	UJ	200	UJ	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	POTASSIUM	DIL1	UG/L	306000	J	508000	J	50
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	SELENIUM	FIL	UG/L	35	U	175	U	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	SILVER	FIL	UG/L	10	U	50	U	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	SODIUM	DIL2	UG/L	10800000	J	4290000	J	86
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	THALLIUM	FIL	UG/L	9.1	UJ	15.7	UJ	53
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	VANADIUM	FIL	UG/L	50	U	250	U	133
IR07MW26A	0634M003	0634M004	8/22/2006	CLP METALS	ZINC	FIL	UG/L	60	UJ	300	UJ	133
UT03MW11A	0634D003	0634D004	8/22/2006	CLP MERCURY	MERCURY	FIL	UG/L	0.056	U	0.17	U	101
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	COPPER	FIL	UG/L	2.1	J	1.5	J	33
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	IRON	FIL	UG/L	100	UJ	25.9	J	118
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	SELENIUM	FIL	UG/L	35	U	4.2	J	157
UT03MW11A	0634D003	0634D004	8/22/2006	CLP METALS	THALLIUM	FIL	UG/L	5.0	UJ	2.1	UJ	82

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
RPD Relative percent difference
TPH Total petroleum hydrocarbons

Validation Qualifiers:
J Estimated Detected Result
U Nondetected Result
UJ Estimated Detected Result

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APPENDIX I

FIELD VARIANCES

RECORD OF FIELD VARIANCE/TECHNICAL CHANGE

Technical Change Number: **Jul-Sep 2006_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)	(Title)	(Date)
	Field Manager	05/07/07

Variances:
1. Not Measured: A total of 14 wells in Parcel B were not measured during the July-September 2006 field event.
Reference SAP Section(s): 8.3.3

Variance/Justification:
The following 5 wells are decommissioned (properly destroyed):
IR07MWS-3, IR10MW12A, IR60MW08A, PA24MW02A, IR06MW45A*

* = Well located in Parcel C but included in the RAMP.

The following 9 wells were inaccessible:
IR07MW27A: Covered by rad-screening soil pad in laydown area
IR07MW93A: Covered by rad-screening soil pad in laydown area
IR07MW94A: Covered by rad-screening soil pad in laydown area
IR18MW100B: Covered by rad-screening soil pad in laydown area
IR18MW101B: Covered by rad-screening soil pad in laydown area
IR18MW21A: Covered by rad-screening soil pad in laydown area
IR18MW92A: Covered by rad-screening soil pad in laydown area
IR25MW37A*: Covered by asphalt rubble and black plastic
IR46MW43A: Located behind solid fence (no gate along perimeter of utility-removal radiological control area and the submarine pens)

A total of 4 wells were measured **outside the time window** of 1008 to 1408 (low tide occurred at 1208): IR07MW21A1 (1005), IR07MW26A (1000), IR07MWS-4 (1002), and IR62MW08A (1005).

2. Not Sampled: The following 3 wells in Parcel B were not sampled during the July-September 2006 field event:
Reference SAP Section (s): 8.1.2 and Table 7A

IR06MW45A*: Decommissioned
IR10MW12A: Decommissioned
IR10MW28A: Insufficient recharge

3. Immiscible Layers:
Reference SAP Section(s): 8.3.3
Immiscible-layer measurement is conducted annually, and not in this event. Therefore no immiscible-layer variance is applicable for the July-September 2006 field event.

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 July-September 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.

There is no variance required regarding field procedures or purging parameter stabilization criteria.

5. Water Quality Criteria:
The following four wells in Parcel B had water quality parameter stabilization issues:

IR10MW31A1: ORP exceeded 20 mv (max difference 42.6 mv)
IR10MW76A: ORP exceeded 20 mv (max difference 46.8 mv)
IR18MW21A: Turbidity exceeded 10 ntu in two of the last three readings (10.5 and 11.6 ntu)
IR25MW37A: Turbidity exceeded 10 ntu in all readings (35.7 ntu final reading)

Approved by: _____ date: 05/07/07
KA Field QA PM

_____ date: 05/07/07
CE2 PM

_____ date: 05/07/07
BRAC RPM

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Appendix J.
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. The Navy will make every effort to incorporate comments regarding format, content, and interpretations presented in this document into reports beginning 4Q2006. 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). Please note that many of the recommendations have already been implemented in the field, or incorporated into subsequent quarterly reports.

Revised pages have been provided for revisions requested by regulators in previous quarters, which have been carried forward into subsequent reports.

U.S Navy Responses to the
U.S. Environmental Protection Agency Comments (20 April 2007)
Review of the Parcel B Quarterly Groundwater Monitoring Report (July-September 2006), Revision 0, Hunters Point Shipyard, San Francisco, California, January 2007

GENERAL COMMENT

1. Serial numbers were not recorded for flow meters used during sampling; therefore, it is not clear whether flow meters were used at each well during the July to September sampling event. In addition, it is not clear how possible incomplete decontamination of flow meters can be traced without documentation of the flow meters' serial number on the monitoring well sampling sheet. The detection of 22 analytes in equipment blanks (as stated in Section 4.3.1.2) indicates decontamination measures may not be adequate. Please provide serial numbers for all sampling equipment on monitoring well sampling sheets. Please also discuss whether additional decontamination measures are used after sampling wells containing relatively high contaminant concentrations or total petroleum hydrocarbons.

Response: All samples collected for laboratory analysis are collected directly from well-specific dedicated tubing, after removing the flow cell. Therefore the only sampling equipment with the potential for cross-contamination between wells is the Grundfos down-hole pumps. Serial numbers for the pump used are shown on Groundwater

Sampling Forms in Appendix B. Pumps are thoroughly decontaminated between wells (immersing the pump in a Liquinox+water solution and pumping for 5 minutes, then repeating in a bucket of tap water, then repeating in bucket of deionized water). A program of installing dedicated submersible pumps and tubing in HPS wells is ongoing. Dedicated pumps will completely eliminate the potential for cross-contamination between wells.

SPECIFIC COMMENTS

1. **Table 1-1, Compliance Monitoring Well Construction and Sampling Information; Appendix C, Monitoring Well Sampling Forms; and Appendix I, Field Variances:** Table 1-1 indicates well IR06MW46A should have been sampled; however, no monitoring well sampling form for this well was available in Appendix C and there are no analytical results for this well in Appendix G. Furthermore, it was not included as "not sampled" on the record of field variance. Please add well IR06MW46A to the Field Variance and revise the second bullet of Section 4.4, Deviations from the SAP, to include this well and to update the number of wells that were not sampled.

   Response: Well IR06MW46A is not a SAP compliance well, and Table 1-1 has been revised to indicate that sampling is not required. A revised page has been provided.

2. **Appendix B, Groundwater Elevation Data (August 16, 2006) and Table 3-1, Tide plot and predictions for Hunters Point, August 15-17, 2006:** Table 3-1 indicates that groundwater levels were measured between 10:08 and 14:08 on August 16, 2006, but according to the information presented in Appendix B and the Groundwater Elevation Measurement Forms in Appendix A, the following wells were not measured within this 4 hour time frame. Please prepare a field variance for these wells.

Well ID	Time the Water Level Measurement Was Collected
IR07MW21A1	1005
IR07MW26A	1000
IR07MWS-4	1002
IR62MW08A	1005

   Response: The groundwater level measurement times are correct as written in Appendices A and B, and they were measured outside the tidal window. The variance (Appendix I) has been revised, and the report text (Section 4.4) has been revised, and revised pages provided.

3. **Appendix B, Groundwater Elevation Measurement Forms and Appendix B, Groundwater Elevation Data (August 16, 2006):** The time for well IR46MW38A is incorrectly listed as 1239 in Appendix B when the Groundwater Elevation Measurement Forms in Appendix A indicate that this well was gauged at 1030. Similarly, the time for

well IR07MW20A1 is listed as 1027 but should be 1029. Please correct these discrepancies.

Response: Appendix B has been revised to include the correct water level measurement times as shown in Appendix A, and revised pages provided.

4. **Figure 3-1, Groundwater Potentiometric Surface Contour Map for the A-Aquifer (August 2006):** The well southeast of well IR06MW34A in the inset box is not labeled. Please label this well and include its groundwater elevation on Figure 3-1.

   Response: Figure 3-1 has been revised and a revised figure provided.

5. **Section 4.2.1, VOCs, Page 4-3:** The text only discusses the lateral extent of volatile organic compounds (VOCs), but the last sentence of this section states that the "lateral extent and vertical extent of VOCs in the IR-10 area is consistent with previous data." Please either delete the statement about the vertical extent of VOCs or discuss the vertical extent, including a discussion of wells that monitor lower zones in the A aquifer, B aquifer, and bedrock.

   Response: The report text has been revised to delete the statement about vertical extent of VOCs, and a revised page provided. Discussion of vertical extent of contamination will be considered for future reports.

6. **Section 4.2.2, Hexavalent Chromium, Page 4-3:** It is unclear why the text states that the "lateral and vertical extent of hexavalent chromium are consistent with previous data," when there is no information about the vertical extent of hexavalent chromium in this report, particularly in the vicinity of IR10MW12A. Please delete the statement about the vertical extent.

   Response: See response to EPA Comment 5.

7. **Section 4.2.3, Mercury, Page 4-3:** It is unclear why the text states that the "lateral and vertical extent of mercury at EE-05 is consistent with previous data," when there is no information about the vertical extent of mercury in the text and there are no deeper wells at IR-26. The statement about the vertical extent of contamination should be deleted.

   Response: See response to EPA Comment 5.

   In addition, this quarter all mercury analytical data from IR-26 was qualified non-detect because of calibration and blank contamination problems in the laboratory, so it is unclear if mercury actually was present in groundwater at IR-26. The laboratory should have caught this problem and rerun the samples. This laboratory issue should be discussed in the text of Section 4.2.3 in the context of the uncertainty about whether mercury was present in groundwater this quarter and the laboratory should be asked to identify such problems within sample holding time so that samples can be rerun. Further,

since mercury is a concern at this site, mercury data in the database and on tables in this report should be flagged so that it is clear that the data was qualified because of laboratory problems. It is also unclear why a concentration of 0.77 micrograms per liter (ug/L) has been qualified non-detect based on laboratory issues when the other qualified data had lower concentrations. Please discuss the laboratory problems in the context of the uncertainty whether mercury was present in IR-26 groundwater this quarter in the text, and qualify the mercury data so that it is clear that the non-detect designation is due to laboratory problems. Please also discuss measures that will be taken to ensure that valid mercury data is obtained for IR-26 samples in the future. Finally, please provide the criteria used to qualify all of the mercury data as non-detect, since the reason for qualifying a concentration of 0.77 ug/L is unclear.

Response: During the July to September 2006 HPS groundwater monitoring event, a total of 39 samples, including 3 field duplicates, were collected from Parcel B for mercury analysis, using EPA Contract Laboratory Program (CLP) Statement of Work (SOW) protocol. The laboratory's method detection limit (MDL) for mercury using CLP methodology is **0.041 micrograms per liter (µg/l)**, and the contract-required quantitation limit (CRQL) is **0.2 µg/l**. Per the Parcel B Remedial Action Monitoring Plan (RAMP), the trigger level for mercury is **0.6 µg/l**. Therefore both the MDL and CRQL are below the trigger level.

Upon review of the data, APPL analyzed the continuing calibration verification (CCV) and continuing calibration blank (CCB) at a frequency in accordance with current CLP SOW methodology (EPA CLP SOW ILM05.3). During this formal assessment, a total of 30 CCBs were evaluated from analytical run logs between September 5, 2006 to December 21, 2006. Of the 30 CCBs assessed, the CCBs concentrations ranged from 0.0053 µg/l to 0.193 µg/l, with an average concentration of 0.0879 µg/l. None of the CCBs were above the CRQL of 0.2 µg/l.

On September 7, 2006, APPL analyzed a sample from well IR26MW47A. The daily CCB was analyzed five times on September 7, 2006 with concentrations ranging from 0.0311 µg/l to 0.193 µg/l. All CCVs were within the acceptance criteria of 70-130%. The initial bracketing CCB for this sample was analyzed immediately prior to the IR26MW47A sample, and had a concentration of 0.1109 µg/l. If the 5 times rule was applied to this CCB, the value would be 0.55 µg/l. However, the closing bracketing CCB had a reported mercury concentration of 0.1570 µg/l, with 5 times equaling 0.78 µg/l.

According to current mercury CLP guidelines (CLP SOW ILM05.3, Section 12.4.2.4.1), no further action is required if the absolute value of the blank concentration is less than or equal to the CRQL (0.2 µg/l). Based on the data quality assessment, laboratory procedures were in compliance with the CLP method requirements.

However, as a corrective action measure, the laboratory has implemented the following procedures to minimize the possible instrument carryover:

- Add a nitric acid solution wash in between the CCV and CCB;
- Introduce nitric acid to the purge lines;
- Add a flag to the method that will terminate the instrument if a blank contains 0.13 µg/l or greater of mercury;
- Raise the MDL to 0.082 µg/l; and
- Reanalyze any samples within bracketing CCBs with concentrations above half the CRQL.

During the third party validation process, Laboratory Data Consultants (LDC), in Carlsbad, California, performed the Level III and Level IV data validation of the HPS analytical data. According to LDC, they used professional judgment to qualify the sample data with concentrations above the CRQL due to the blank contamination of mercury. The 1994 National Functional Guidelines for Inorganics was applied as the professional judgment, which states that detects reported within 5 times the associated blank concentration for non-laboratory laboratory contaminants are "U" qualified, a non-detect. LDC used the highest blank concentration of 0.193 µg/l, which was analyzed two analytical run series (and two CCBs) before the IR26MW47A sample. When the 5 times rule was applied to this CCB, the value is 0.965 µg/l. As a result, the mercury concentration of 0.77 µg/ in sample IR26MW47A was "U" qualified.

8. **Section 4.3.1.2, Equipment Blanks, Page 4-4:** The text states that 22 analytes were detected in equipment blanks, but the text does not place this observation into context by discussing whether the same analytes were detected in the well sampled prior to decontamination and collection of the equipment (rinsate) blank. Please revise the text to include a discussion about whether the same analytes detected in equipment blank samples also were detected in the well sampled just prior to decontamination and collection of the equipment blank. Please also include a discussion of additional decontamination measures to be used after sampling wells containing relatively high contaminant concentrations or total petroleum hydrocarbons.

Response: The equipment rinsate sample detected results can be grouped into the following 3 categories, as regards the equipment decontamination and equipment rinsate comment:

1) Analytes that are regularly detected at consistently low concentrations in the source water, which is used for the equipment decontamination, included trihalomethane compounds (i.e., chloroform and bromodichloromethane), as well as several metals. These analytes are not monitoring well-sourced and therefore do not have equipment decontamination impacts.

2) Three analytes (calcium, magnesium, sodium) were detected in both the equipment rinsate samples and associated environmental samples that were collected immediately prior to the equipment rinsate sample. However, the concentrations in the environmental samples were greater than five times the concentrations reported in the equipment rinsate samples. Per the 1994 National Functional Guidelines for

Inorganics, corrective action is not necessary if the environmental sample concentrations are five times or greater than the associated equipment equipment rinsate sample. Therefore, the environmental sample results were deemed valid and usable during the data validation process.

3) Three analytes (i.e., mercury, hexavalent chromium, and toluene) were reported only in the equipment rinsate samples, and were not reported in the associated environmental samples, and the data validation process determined that no corrective action was necessary. Therefore, the environmental sample results were not impacted by the detections in the equipment rinsate sample.

During the data validation process, the overall data quality was deemed to be unaffected as a result of the equipment rinsate sample detections. Therefore, more rigorous decontamination is not necessary at this time. Continued data evaluation and validation will be conducted to ensure no deficiencies occur that would trigger corrective action, such as more rigorous equipment decontamination.

9. **Figure 4-1, Lateral Distribution of Trichloroethene in Groundwater:** The concentrations on this figure do not match the trichloroethene (TCE) concentrations presented in Table 4-6. Instead, the concentrations appear to be the same as the cis-1,2-dichloroethene (cis-1,2-DCE) data that is presented on Figure 4-2. Please revise the information presented on Figure 4-1 to include TCE concentrations consistent with those presented in Table 4-6.

   Response: Figure 4.1 has been revised as suggested, and a revised figure provided.

10. **Figure 4-2, Lateral Distribution of cis-1,2-DCE in Groundwater:** Two of the concentrations on this figure do not match the cis-1,2-DCE concentration presented in Table 4-7. The concentration for IR10MW28A is listed as 7.4 ug/L; this concentration should be 0.91 ug/L. The concentration for PA50MW01A is listed as ND; this concentration should be 0.31 ug/L.

    Response: Figure 4.2 has been revised as suggested, and a revised figure provided.

11. **Figure 4-3, Lateral Distribution of Vinyl Chloride in Groundwater:** The legend on Figure 4-3 contains several inconsistencies. The dots representing vinyl chloride concentrations are defined as follows: green – not detected; yellow – 0 to 50 ug/L; orange – 5 to 100 ug/L; and red – greater than 100 ug/L. The legend on Figure 4-3 further states that the California Maximum Contaminant Level (MCL) for vinyl chloride is 0.5 ug/L, but on other figures, orange dots are used to represent concentrations that exceed the MCL or other relevant criteria. Three of the four detected concentrations exceed the MCL, but all four locations are depicted with yellow dots. Please review the concentration ranges for the yellow and orange dots with respect to the MCL for vinyl chloride and resolve the apparent discrepancies. In addition, please revise the colors used to depict the concentrations, if necessary.

Response: Figure 4-3 has been revised as suggested, and a revised figure provided.

12. **Figure 4-1, Lateral Distribution of Trichloroethene in Groundwater; Figure 4-2, Lateral Distribution of cis-1,2-DCE in Groundwater; Figure 4-3, Lateral Distribution of Vinyl Chloride in Groundwater; and Figure 4-4, Lateral Distribution of Hexavalent Chromium in Groundwater:** The yellow dot is used in each of these figures to represent concentrations that were greater than the detection limit but below a specified value. The legend defines the lower concentration limit of the yellow dot as 0 ug/L. This lower concentration limit should be the detection limit, which is typically slightly above zero. Please revise the legend in each of these figures to designate that the lower concentration limit of the yellow dot is the detection limit rather than 0 ug/L.

    Response: The legend of the figures have been revised as suggested, and revised pages provided. Future report figures will include in the data label both the "not detected" qualifier and the value of the method detection limit.

13. **Table 4-2, Summary of Quality Control Sample Information, and Appendix C, Monitoring Well Sampling Forms:** The quality control sample information presented on Table 4-2 is not included on the Monitoring Well Sampling Forms. This makes it difficult to trace quality control samples. For example, Table 4-2 indicates equipment rinsate samples were collected after wells IR06MW42A and IR07MW28A were sampled; however the Monitoring Well Sampling Forms for both of these wells indicate no associated quality control samples were collected. Please review Table 4-2 and the Monitoring Well Sampling Forms and clarify these and any other discrepancies.

    Response: As written, Table 4-2 provides the correct information on QC samples. The absence of the corresponding information on the Monitoring Well Sampling Forms resulted from field crews inadvertently omitting that information. Field crews have been reminded to fill out this information on the Monitoring Well Sampling Forms.

U.S Navy Responses to the
California Department of Toxic Substances Control (DTSC) Comments (27 April 2007)
Review of the Parcel B Quarterly Groundwater Monitoring Report
(July-September 2006), Revision 0
Hunters Point Shipyard, San Francisco, California, January 2007

GENERAL COMMENTS AND RECOMMENDATIONS

1. Consistent with previous memoranda on Parcel B groundwater, this review focuses on field protocols and well conditions. Stabilization criteria, drawdown, and well condition are summarized for 27Q and for the previous ten quarters on the attached Excel table. Currently the RAMP and the BGMP are undergoing revision, and a revised basewide SAP is expected

in the near future. For the sake of expediency, comments regarding well sampling protocols can be addressed in the revised SAP.

2. Discussions with the Navy are ongoing regarding SAP revisions, including changes to the well network, analytes, and sampling frequency. Review of contaminant distribution and well network will be conducted during review of the revised SAP.

3. Stabilization criteria. Stabilization criteria are established for: specific conductance (SpC), oxygen reduction potential (ORP), turbidity, dissolved oxygen (DO), pH, and temperature. Previously, equipment failures resulted in many erroneous or anomalous values. In recent events on Parcel B (including 3Q06), field equipment has improved and sampling crews have generally achieved stabilization of parameters prior to sampling. This improvement should continue to be tracked in subsequent reports.

   Recommendations

   a. Some improvements include: stable flow rates, low flow rates, lower turbidity, fewer turbidity less than zero (e.g., one instance in 27Q), no DO less than zero, no DO greater than saturation, and fewer inconsistent values (e.g., low ORP with high DO). Also, on a well-specific basis, parameters varied less between events. To memorialize the lessons learned (and for inclusion in the revised SAP), please discuss how improvements were achieved. For example, LaMotte turbidity meters were used in 1Q06, 2Q06, and 3Q06: were LaMotte meters more reliable than previous meters? If so, why? Were other changes made to the turbidity protocols? Also, pump rates fluctuated less than in earlier quarters: how were more stable rates achieved?

      Response: The LaMotte turbidity meters are of a higher quality than previous equipment. Greater diligence by the field crews has resulted in more constant pump rates. Future events will utilize an in-line flowmeter to ensure a constant flow rate.

   b. Previously, ORP meters were not sufficient to record values less than 50 or 99 mv. Recently, the equipment used for ORP measurement has changed, and lower values are now measurable. Consequently, recent values at some locations are the lowest values yet recorded. This improvement will allow for better evaluation of methanogenesis and degradation of volatile organic compounds (VOCs) (e.g., dehalogenation), since successive degradation requires increasing lower ORP. To ensure continued improvements, please include a procedure for checking anomalous values in the field. For example, in 2Q06, ORP was measured at -455.6 mv at IR06MW42A, which is the lowest value recorded on the attached table.

      Response: Equipment recently implemented to measure ORP is of a higher quality than that previously used, and allows for measurement of lower ORP values. There was no indication of equipment malfunction or other cause of erroneous readings at the referenced well. The measured value of ORP is at the low end of, but still within, the range of naturally-occurring conditions.

c. Stabilization parameters should not very much from quarter to quarter on a well-specific basis — unless site activities, like treatability studies, result in disturbance to the aquifer. However, at some wells, ORP values have a very wide range over 10 quarters, which makes evaluation of dehalogenation difficult. For example, ORP ranges from 407 mv to -373.3 mv at IR10MW14A. Discuss the reliability and accuracy of parameters which were measured over a large range.

   Response: This recommendation will be considered for future reports.

d. Elevated pH is a concern since mobilization of metals and degradation of VOCs and total petroleum hydrocarbons (TPH) may be affected by pH changes. On Parcel B, elevated pH values persist in the IR10 area (e.g., 8.15 at IR10MW33A and 8.42 at IR46MW37A). Establish a normal range of pH at Hunters Point. Discuss whether elevated pH on Parcel B is related to treatability studies (TSs), equipment calibration, well condition, et cetera.

   Response: The cause of elevated pH values is under investigation.

e. Elevated temperature may indicate pump heating or insolation of tubing, resulting in loss of volatiles and other changes in the sample. Please evaluate temperature increases greater than 2° C (e.g., IR06MW42A).

   Response: Temperature variations in this range are normal during well purging, which reflect stabilization of aquifer water.

f. Increased DO may accelerate TPH degradation and decelerate VOC degradation. For all quarters evaluated, DO continually increased at IR07MW24AR (from 0 to 5.8 mg/L) without a corresponding increase in ORP. DO also increased at IR10MW62A. Please evaluate DO increases (and decreases) with respect to site activities (e.g., TSs, excavations, surface water flow).

   Response: Evaluation of DO will be considered for future reports.

g. Turbidity greater than 10 NTUs was measured at IR18MW21A and IR25MW37A. Unstable ORP was reported at IR10MWMW76A and IR10MW31A1 (which also had negative turbidity). Except for negative turbidity at IR10MW31A1, these variations were reported in Appendix I. However, the maximum variation of ORP at IR10MW31A was 42.6 mv (99.4 mv - 56.8 mv) not 21.6 as reported in Appendix I. Please correct Appendix I and include negative turbidity as a variance.

   Response: Neither turbidity nor ORP are utilized as stabilization parameters, however these water quality parameters are reported in Appendix I as "water quality stabilization issues." A reported negative value for turbidity means that the measured sample had less turbidity than the calibration sample. Field crews have been instructed, when negative turbidity is measured, to use another meter or to recalibrate the existing meter. Appendix I has been corrected as suggested (as regards the maximum variation of ORP), and a revised page provided.

h. Pump rates were stable, which is a significant improvement over earlier quarters. However, at IR07MW23A, the pump rate was increased from 200 to 500 ml/min. To avoid disturbance to the aquifer and the well pack, specify that pump rate should not be increased during pumping.

Response: Acknowledged. Pumping rates will be discussed in a Standard Operating Procedure (SOP) in the upcoming SAP revision.

i. Include a cumulative table of field parameters with each report so that trends can be assessed: include historic data. In the text of the report, evaluate field parameters and discuss significant variations and trends, as well as anomalous values, with respect to site activities, sampling equipment, and protocols.

Response: This recommendation will be considered for future reports.

j. Devise a method for tracking and corrective field problems with equipment. For example, include a column for *Comments/Corrective Measures* on the table requested in the preceding comment, with field variances bolded. The table should be cumulative so field data can be used to evaluate whether laboratory results are representative of aquifer conditions.

Response: This recommendation will be considered for future reports.

k. Equipment malfunctions may result in anomalous or extreme values. Establish field protocols that specify when field values should be confirmed by repeated measurements, and when laboratory confirmation is required (e.g., when pH is significantly outside of normal range). Record corrective measures on *Monitoring Well Sampling Forms* or *Additional Field Notes* and discuss equipment malfunctions in reports.

Response: This recommendation will be considered for future reports.

4. Stabilization of drawdown (DD) and Low-Flow Methods. Stabilization of drawdown is the primary requirement for low-flow purging. The requirement for stabilization of DD was met for most wells in 3Q06, which is a significant improvement. Analysis of DD stabilization is included on the attached table (for 1Q06, 2Q06, and 3Q2006 only) as the first entry in the last column.

Recommendations

a. For future sampling events, please reduce pump rates for wells which do not achieve stability of drawdown (e.g., IR10MW59A). Lack of stability is indicated in the last column on the attached table (e.g., "DD not stable", "DD increasing").

Response: Pumping rates and allowable drawdown will be discussed in a Standard Operating Procedure (SOP) in the upcoming SAP revision.

b. Evaluate wells which usually pump dry (e.g., IR10MW28A). Propose corrective action (e.g., develop, decommission, replace, alternative sampling methods) as appropriate.

Response: A well rehabilitation program, including evaluating low-yield wells, is in progress.

c. Report non-stabilization of drawdown (including dry wells) as field variances.

Response: As written, Appendix I contains a variance section for field procedures and parameters, including wells sampled after maximum drawdown was exceeded. Maximum allowable drawdown during well pumping will be addressed in an SOP in the upcoming SAP revision.

d. On well sampling forms and in the text, discuss wells for which tidal fluctuation may have compromised drawdown calculations. For example, due to tidal flux, DD was larger than in previous quarters and continued to increase at IR26MW47A despite a low pump rate (100 ml/min). Additional Notes say "water levels change due to tide coming in": Wouldn't a higher tide result in a decrease (not an increase) in DD?

Response: The effects of tidal fluctuations on drawdown will be considered in the revised SAP.

e. DTSC geologists recommend that samples collected outside screened intervals should be rejected (e.g., IR07MW21A1-R, IR07MWS-4). In meetings, the Navy has indicated they will flag (but not reject) samples collected outside screened intervals. Please discuss why samples were collected outside the screened interval and corrective actions taken to ensure future samples are properly collected.

Response: Ground surface and TOC elevations (hence screened interval depths and elevations) in this area may not be correct, which results in inconsistent information on pump placement depth. In addition, field crews are utilizing screened interval data that are relative to ground surface, vs. top of casing, which in cases of "stickup" wells (as both the referenced wells are) results in inconsistent data on pump placement depth. A program of surveying ground surface and TOC elevations is in progress. For both the referenced wells, it appears that the pump placement was in fact within the screened interval. Using the revised elevation data, future events will utilize groundwater sampling forms that reference all data relative to top of casing. Likewise Table 1-1 of future reports will reference screen intervals relative to TOC, to allow direct reference between reported pump placement depth and the screened intervals.

f. IR26MW49A and IR26MW50A were recently installed to monitor mercury (and other compounds) at the shoreline of IR26, near the mercury excavation of EE05. Discuss IR26MW49A and IR26MW50A in the text of the report (Section 4.2.3).

Response: The report has been revised as suggested, and a revised page provided. Future reports will include these two new wells on Figures 4-8 and 4-9.

g. Screened intervals were not provided for new wells IR26MW49A and IR26MW50A: please provide well development logs and well logs. Clarify whether samples were collected within screened intervals. Add well construction information to Table 1-1.

Response: As written, Table 1-1 lists screened intervals for these two wells. Well development logs and well logs are periodically provided to the BCT along with a revised Well Constructions Detail Table.

5. <u>Well condition, well status, and well maintenance problems</u> are a continuing concern. The field crew has provided notes on well condition and well status (e.g., "inaccessible"). The notes are found at three locations in the 3Q06 report (i.e., Appendices A, C, and I). Sheet 1 of the attached table includes cumulative notes on well condition, for sampling wells only, for 17Q through 27Q (3Q06). All notes on well condition (for sampling wells and water elevation measurement wells) are collated on Sheet 2.

One purpose of the attached table was to track corrective actions for well maintenance and well condition problems through several sampling events. However, tracking has been difficult because confirmation that corrective actions have taken place has not generally provided or has been inconsistently provided. In some cases, serious problems have persisted for several quarters (e.g., IR25MW37A and IR46MW37A).

Recommendations

a. In 3Q06, for sampling wells, notes appear to be more consistent than previous quarters and fewer well condition problems were noted. The field crew reported corrective actions (with dates) on inspection forms and indicated recommended repairs (e.g., "needs new bolts"). However, for 3Q06, as for previous quarters, notes on corrective action are not provided for water elevation measurement wells (Appendix A).

   Response: The need for well corrective actions is determined based on notes made on groundwater measurement day, during well sampling, and as part of an ongoing basewide well rehabilitation program. Field crews have been reminded to include data on well conditions on both water level measurement forms and on monitoring well sampling forms.

b. Provide a cumulative table of corrective measures which includes all wells. Such information is needed to evaluate proposes for changes to the SAP and to assess whether analytical results have been compromised. On the table, please include dates when corrective actions were completed. Indicate repairs that are still needed.

   Response: This recommendation will be considered for future reports.

c. The principal monitoring point for the chromium VI plume, IR10MW12A, was removed. Please discuss the removal of the well in Section 4.2.2. Indicate that the well was removed on Figure 4-8.

   Response: As written, Figure 4-8 has a footnote that well IR10MW12A was decommissioned. The text has been revised as suggested, and a revised page provided. A new report section (Section 1.3) has been added discussing changes to the basewide groundwater monitoring well network, and revised pages provided.

d. Written proposals for decommissioning should be provided to agencies prior to well removal. Include decommissioning logs (e.g., IR06MW45A, IR10MW12A) in quarterly reports and in updated versions of the well construction table and CD.

   Response: As written, Table 1-1 and the Well Construction Details Table reflect that the two referenced wells have been decommissioned. Decommissioning logs are periodically provided to the BCT along with revised Well Construction Details Table. A new report section (Section 1.3) has been added discussing changes to the basewide groundwater monitoring well network, and revised pages provided.

e. California Well Standards, Bulletins 74-81 and 74-90, contain requirements for construction, maintenance, and destruction (e.g., decommissioning) of monitoring wells. Substantive requirements apply to the Navy: administrative requirements do not apply. Please demonstrate that all wells have been properly decommissioned by including "reports of completion" for all decommissioned wells on the well construction CD. Well

standards are located at:
http://www.groundwater.water.ca.gov/technical_assistance/gw_wells/gww_standards/index.cfm.

Response: Well Decommissioning Forms for decommissioned wells were provided to the BCT in February 2007. Well Decommissioning Forms will continue to be periodically provided to the BCT, as wells are decommissioned.

f. To ensure that future sampling and water level measurements are representative, all wells should be inspected prior to inclusion in the revised SAP. Wells deemed unsuitable for sampling or for water elevation measurements should be identified, and replacement wells (or decommissioning) proposed.

Response: A basewide well rehabilitation program is in progress, and is being conducted in conjuction with preparing the revised SAP.

g. In the revised SAP, to ensure consistency, include protocols for well inspection and field repairs.

Response: Acknowledged.

6. Field variances. The report has expanded Appendix I: Field Variances to include exceedences of primary stabilization criteria, which is an improvement over previous quarters. However, all requested variances have not been included.

Recommendations

a. Please include all variances in Appendix I, including: samples collected outside screened intervals, unstable DD, extreme values of criteria, inconsistent criteria (e.g., high DO/low ORP), equipment malfunctions, decommissioned/destroyed wells, exceedences of secondary criteria, et cetera. Discuss variances in Section 4.4: Deviations from SAP.

Response: As written, Appendix I (Field Variances) includes all variances identified for inclusion in reports, per the HPS Groundwater Meeting on July 19, 2006. Categories of variances include: 1) water levels not measured, 2) wells not sampled, 3) immiscible layers, and 4) field procedures and parameters (including stabilization of primary water quality parameters, drawdown, purge volumes, and collecting samples outside the screened intervals). Appendix I also lists (variance category #5) wells with water quality stabilization issues (i.e. exceedances of secondary water quality stabilization parameters). This list of variances does not include unstable drawdown, inconsistent or extreme values of water quality parameters, or equipment malfunctions; therefore these issues are not reported as variances.

b. The removal of wells during excavation activities (e.g., IR10 area) was discussed with the Navy and replacement well locations agreed to by agencies during a field visit. However, replacement wells were not installed. For example, IR10MW12A, the chromium VI well, was removed and not replaced. Consequently, no recent data is available regarding the highest concentration area of the chromium VI plume. Discuss the schedule for installation of IR10MW12A and other replacement wells in Section 4.4: Deviations from SAP.

Response: The report has been revised (Section 4.2.2.) to discuss decommissioning and replacement of well IR10MW12A. A new report section (Section 1.3) has been added discussing changes to the basewide groundwater monitoring well network, and revised pages provided.

c. Include not measured (NM), not sampled (NS), not installed (NI), and decommissioned/destroyed wells on figures. For example, include NM wells on the groundwater surface contour figures, so that the consequences of not measuring those wells can be assessed. An explanation should be provided regarding wells that were proposed but never installed along with a recommendation to install/not install these wells and the basis for that recommendation.

Response: This recommendation will be implemented (for both Parcel B and Parcels CDE reports) beginning 4Q2006.

d. Discuss equipment changes within the text, with explanations for switchouts.

Response: Sampling equipment utilized is recorded on the Monitoring Well Sheets (Appendix C).

e. Errors regarding well identification should be included as field variances (e.g., IR10MW59A, in previous quarters).

Response: In future events, if a well is mistakenly not sampled due to a misidentification, a variance will be generated. The misidentification issue associated with well IR10MW59A issue was resolved in a previous report (see response to Comment 7c).

f. Variances must be reported for each quarter. That is, a variance that continues from quarter to quarter must be reported for each quarter.

Response: Acknowledged. As written, Appendix I contains all variances for the current quarter. Beginning 4Q2006, quarterly groundwater monitoring reports will contain an additional table tracking variances that occur repeatedly over time.

g. Describe and provide a reference for the revised protocol that has been developed for the measurement of immiscible non-aqueous phase liquid layers (NAPLs).

Response: There are no NAPL measurements conducted at Parcel B. NAPL measurements are conducted as part of the Parcels C, D and D portion of the HPS Basewide Groundwater Monitoring Program, in accordance with CE2 Corporation's June 2006 document "*Scope and Strategy for LNAPL/DNAPL Survey of Basewide Monitoring Wells, Hunters Point Shipyard, San Francisco, California, Revision 2*".

7. Construction details. Construction details have been revised for some wells: however, supporting documentation has not been provided. The attached table has been revised to be consistent with 1Q06 Table 1-1 (changes are noted by strikeouts). But, revisions are provisional, pending receipt of supporting documentation. Moreover, some discrepancies are still unresolved.

Recommendations

a. Complete and accurate information on all wells is needed for evaluation of the revised SAP. Moreover, information on well status and well construction is required for property transfer. In response to requests, in February 2007, the Navy provided a new well construction table (with CD). However, supporting documentation was not included so the data could not be verified. Also, it was difficult to identify which data had been changed. Please revise the table so that all changes (from the well construction table in the BGMP) are bolded and explanations are provided in a column on the table. In addition, please include all required documentation on the CD, including well installation logs, well decommissioning logs, and completion reports. Include all ground penetrations (e.g., monitoring wells, piezometers, treatability study wells, and underground storage tank wells). Include a searchable figure.

   Response: As written, well construction details are included in Table 1-1. Well decommissioning logs and well installation logs are periodically provided to the BCT, with an updated Well Construction Details Table. A new report section (Section 1.3) on changes to the basewide well monitoring network has been created, and revised pages provided.

b. All well names should be unique. Please identify all replacement wells with a distinguishing prefix or suffix. On the revised table (preceding comment), include all original and replacement wells.

   Response: All HPS well names are unique (i.e. a replacement well is given an ID that differs from the well it is replacing). Because some replacement wells are installed at some distance from the original well, it is more appropriate to assign that well a wholly unique ID, rather than assigning an "R" suffix. Documentation of all original and replacement wells is periodically provided to the BCT, with an updated Well Constructions Details Table.

c. In the quarters covered by the attached table, two different wells were sampled as IR10MW59A: please provide identification and construction details for both wells. Include both wells on tables and figures. Revise tables, figures, and databases (including analytical results) accordingly.

   Response: Well IR10MW74A (an adjacent well that is not a compliance well) had historically (1Q2004 to 1Q2005) been sampled and mis-identified as IR10MW59A, as discussed in the CE2-Kleinfelder letter to the Navy dated September 2006. The issue was resolved and sampling and correct reporting of IR10MW59A began in 2Q2005.

d. Ensure that all discrepancies are addressed on the revised table (and CD) requested in Comment 7a, including all wells queried on the attached table. For example, confirm well construction details for wells with "scour' (measured as depth greater than total depth of well), including: 3.5' at IR07MW21A1-R; 3.2' at IR07MW24AR; 4.8' at IR07MW25AR; 3.6' at IR07MW26AR; 2.4' at IR07MW28A; 2.3' at IR07MWS-2; and 3.8' at IR07MWS-4, et cetera.

   Response: Acknowledged. See response to Comment 7-a.

e. "Scour" of 1.5 feet was reported in IR10MW76A for the first time during 2Q06, and continued for 3Q06: please confirm the depth of the well. If the "scour" value is correct, evaluate causes.

f. **Response:** Well construction data for a particular well are reviewed when a significant discrepancy is noticed between the total depth listed on a well log and the "updated total depth" that is measured during measurement or sampling activities. A new Well Construction Details Table was submitted to the BCT on February 20, 2007. All available borehole logs, well construction diagrams, and decommissioning logs were also submitted. Some previous depth discrepancies are resolved by the updated information.

Depth discrepancies can result from various issues such as: [1] casing extensions that are poorly documented, [2] erroneous elevation data that prevent accurate determination of stickup, [3] ground-surface elevations that have changed due to construction, [4] confusion between depth datum (ft bgs versus ft btoc) [5] errors in the original well construction diagrams, [6] measurement errors made during quarterly events, and [7] the inherent uncertainties in well-logs depth due to the ground surface near a borehole being uneven.

Depth discrepancies are currently being reviewed. In 2007, licensed surveyors will resurvey both TOC and ground surface elevations at several well locations. Updated total depths will be measured at several wells. Wells suspected of containing significant amounts of silt will be tagged with a heavy weight.

g. Values for well construction details should be reported in appropriate significant figures. Use values recorded on original well construction logs. For example total depth (TD) should be given in hundreds of a foot (unless fewer significant figures were reported on well logs).

Response: Depth values in Table 1-1 and in the new Well Construction Details Table (provided to the BCT on February 20, 2007) are consistent with well log information. Updated well construction information will continue to be provided periodically to the BCT.

h. Revise tables of quarterly/annual reports to be consistent with the updated well construction table requested in Comment 7a.

Response: Please see response to DTSC Comment 7a.

i. In the revised SAP, ensure that depths for well placement, as specified on the table, are within screened intervals.

Response: Acknowledged.

SPECIFIC COMMENTS AND RECOMMENDATIONS

Figures

1. Figure 1-2. Include IR26MW49A and IR26MW50A.

Response: Figure 1-2 has been revised as suggested, and a revised figure provided.

2. Figures 4-1 to 4-4. Distinguish data from other quarters from data for 3Q06.

   Response: This recommendation will be considered for future reports.

3. Figure 4-1. Concentrations on the figure do not agree with concentrations provided on Table 4-6. Also, color coding for concentrations is not correct at all locations. Please resolve discrepancies.

   Response: Figure 4-1 has been revised and provided.

4. Figure 4.2. The value for IR10MW28A does not agree with the value on Table 4-7.

   Response: Figure 4-2 has been revised and provided.

5. Please include a figure that shows all monitoring wells on Parcel B. Include nearby wells on other parcels and on non-Navy property.

   Response: This recommendation will be considered for future reports.

Appendix F

1. Waste water results are included for groundwater sampled between 8/21 and 9/27/2006. Diesel was reported at 430++ ug/L and motor oil at 930 ug/L. The notation "++" represents "a dominant peak not indicative of petroleum hydrocarbons". In 4Q05 Report (Appendix E), diesel was reported at 640++ ug/L and motor oil at 1300++ug/L. Clarify whether the waste water was solely from 27Q groundwater sampling. Please request identification of peak compounds for future sampling events.

   Response: The wastewater represented by the referenced sample is from groundwater purged and sampled between 8/21/06 and 9/27/06, as stated on the Batch Wastewater Discharge Permit Application (Appendix E). Analytical data from wastewater sampling are used solely to support requests for discharge of the water to the sanitary sewer system. Identification of peak compounds in these samples is not required by the sewer agency.

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Appendix K.
Revision Tracking Log

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Revision Tracking Log

Revision	Issued	Document Modifications
0 (Draft)	October 2006	
1	May 2007	Addressed regulatory comments by the U.S. EPA dated 20 April 2007 and by California Department of Toxic Substances Control dated 27 April 2007.

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