



**Base Realignment and Closure
Program Management Office West
1455 Frazee Road, Suite 900
San Diego, California 92108-4310**

**CONTRACT NO. N62473-07-D-3211
CTO NO. 0009**

DRAFT

**COMPLETION REPORT AND REQUEST FOR
CLOSURE OR NO FURTHER ACTION FOR
MOFFETT PETROLEUM SITES**

February 2012

DCN: ECSD-3211-0009-0011

**ZOOK ROAD FUEL SPILL SITE, FORMER SUMP 63,
AND FORMER UST 58
FORMER NAVAL AIR STATION MOFFETT FIELD
MOFFETT FIELD, CALIFORNIA**

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Lee Boreen
Project Manager

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ABBREVIATIONS AND ACRONYMS

µg/kg	micrograms per kilogram
µg/L	micrograms per liter
AST	aboveground storage tank
bgs	below ground surface
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene, and total xylenes
CTO	Contract Task Order
DO	dissolved oxygen
DPT	direct push technology
DRO	diesel-range organics
EPA	U.S. Environmental Protection Agency
ESL	environmental screening level
GRO	gasoline-range organics
JP-5	jet propellant grade 5
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
Moffett	Former Naval Air Station Moffett Field
MTBE	methyl tert-butyl ether
NAS	Naval Air Station
NASA	National Aeronautics and Space Administration
Navy	Department of the Navy
ORC	oxygen release compound
OWS	oil/water separator
PAH	polynuclear aromatic hydrocarbon
PID	photoionization detector
ppm	parts per million
PRG	Preliminary Remediation Goal
PVC	polyvinyl chloride
RSL	Regional Screening Level
SAP	Sampling and Analysis Plan

ABBREVIATIONS AND ACRONYMS

(Continued)

SWRCB	State Water Resources Control Board
TPH	total petroleum hydrocarbons
TPH-extractable	total extractable petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons diesel range
TPH-g	total petroleum hydrocarbons gasoline range
TPH-purgeable	total purgeable petroleum hydrocarbons
UST	underground storage tank
VOC	volatile organic compound
Water Board	California Regional Water Quality Control Board
WATS	West-Side Aquifers Treatment System

EXECUTIVE SUMMARY

The purpose of this project is to collect additional site characterization data and perform removal actions required to obtain agency concurrence on closure of petroleum sites at the former Naval Air Station Moffett Field (Moffett), Moffett Field, California. The Department of the Navy (Navy) is conducting environmental restoration activities at Moffett, as part of the Moffett petroleum program. The Navy has conducted previous investigations and reported findings for multiple petroleum sites at Moffett. Additional investigations were determined to be needed to address regulatory agency comments with the goal of obtaining closure or no further action, or recommending further action (such as soil removal) for the petroleum sites.

Additional investigation activities were completed at 14 Moffett petroleum sites in accordance with the final Work Plan (TtEC 2009). Based on the additional investigation activity results, 11 sites were recommended for closure or no further action. Ten sites were the subject of the Completion Report and Request for Closure or No Further Action (TtEC 2011a). One site was the subject of a letter report (TtEC 2011b). Closure for 10 sites was granted by the California Regional Water Quality Control Board San Francisco Bay Region in December 2011. Closure for the remaining site is still pending.

Additional activities were needed to support closure or no further action for the following three Moffett petroleum sites:

- Zook Road Fuel Spill Site – soil removal and additional groundwater investigation
- Former Sump 63 – additional soil and groundwater investigation
- Former UST 58 – additional soil and groundwater investigation

These additional activities were completed in accordance with the final Work Plan (TtEC 2009) and Field Change Request 009-001 to the Work Plan (TtEC 2010). The results of these activities indicate site closure or no further action is warranted. The site descriptions, investigation history, soil removal activities, recent investigation results, and request for site closure or no further action are presented in this report.

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1.0 INTRODUCTION

The purpose of this project is to collect additional site characterization data and perform removal actions required to obtain agency concurrence on closure of petroleum sites at the former Naval Air Station (NAS) Moffett Field (Moffett), Moffett Field, California (Figures 1-1 and 1-2). The Department of the Navy (Navy) is conducting environmental restoration activities at Moffett as part of the Moffett petroleum program. The Navy has conducted previous investigations and reported findings for multiple petroleum sites at Moffett. Additional investigations were determined to be needed to address regulatory agency comments with the goal of obtaining closure or no further action, or recommending further action (such as soil removal) for the 14 remaining petroleum sites.

The additional investigations were conducted in accordance with the final Work Plan for Petroleum Sites Sampling and Evaluation for Closure or Removal Actions (Work Plan) (TtEC 2009). Based on the additional investigations results, the following 11 sites were recommended for closure or no further action:

- Former Aboveground Storage Tanks (ASTs) 94, 95, and 118
- Former AST 102
- Former Site 20 ASTs
- Former Site 5 North Fuel Farm Dry Wells
- Former Underground Storage Tank (UST) 26
- Former Navy Exchange Service Station (USTs 33 through 40)
- Former Sump 25 and 25A
- Former Hangar 2 Vault
- Former ASTs 108 and 109, and Sump 41B
- Former USTs 85 and 85A
- Former Site 5 South USTs 4 through 9, dry wells, and associated piping

Closure for all but Site 5 South was granted by the California Regional Water Quality Control Board San Francisco Bay Region (Water Board) in December 2011. Closure of Site 5 South is still pending.

Additional activities were recommended for 3 of the 14 sites. The additional activities were conducted in accordance with the final Work Plan (TtEC 2009) or Field Change Request 009-001 (TtEC 2010) to the final Work Plan. Soil removal and additional groundwater sampling

were conducted at the Zook Road Fuel Spill Site. Additional soil and groundwater sampling were conducted at the following sites (Figure 1-3):

- Former Sump 63
- Former UST 58

This Completion Report and Request for Closure or No Further Action (Completion Report) has been prepared on behalf of the Navy's Base Realignment and Closure (BRAC) Program Management Office West. The work was conducted under Contract Task Order No. 0009, issued under Remedial Action Contract No. N62473-07-D-3211. This Completion Report includes the site descriptions, investigation history, soil removal activities, recent investigation results, and request for site closure or no further action for the three remaining Moffett petroleum sites.

1.1 FACILITY HISTORY AND CURRENT OPERATIONS

Moffett is located near the southern end of San Francisco Bay in Santa Clara County, California (Figure 1-1). Moffett is bounded by U.S. Fish and Wildlife Service land to the north, National Aeronautics and Space Administration (NASA) Ames Research Center to the northwest, U.S. Highway 101 to the south, and a Lockheed Aerospace facility to the east (Figure 1-2). Moffett borders the cities of Mountain View and Sunnyvale, California. Stevens Creek is located west of Moffett and NASA.

Moffett was originally commissioned as NAS Sunnyvale in 1933. In 1935, NAS Sunnyvale was transferred to the U.S. Army Air Corps. In 1939, a permit was granted to Ames Aeronautical Laboratory to use a portion of the base. NAS Sunnyvale was returned to Navy control in 1942, and was renamed NAS Moffett Field. In 1994, NAS Moffett Field was closed as an active Navy base under the BRAC program.

The property was transferred to NASA on July 1, 1994, and the facility was renamed NASA Ames Research Center. Federal and state tenants located at Moffett include the U.S. Army, U.S. Air Force, and California Air National Guard. Current Moffett uses include airfield operations, military facilities, and NASA research activities.

1.2 REGULATORY FRAMEWORK AND REQUIREMENTS

Remedial activities at Moffett are conducted as part of the Installation Restoration Program established by the Department of Defense to identify, evaluate, and control the spread of contaminants from historical hazardous waste sites. Petroleum sites at Moffett are evaluated under the policies and guidance of the Water Board. Evaluation and closure of petroleum sites follow the requirements in *California Code of Regulations* Title 23, Division 3, Chapter 16; the Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of

Underground Tank Sites (Water Board 1990); the Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low Risk Fuel Sites (Water Board 1996); and the State Water Resources Control Board (SWRCB) Resolution No. 2009-0042 – UST Cleanup Program Task Force Report recommendations.

Water Board policies and guidance govern the petroleum site evaluation methodology, and the Water Board ultimately grants site closure or no further action. Analytical results were evaluated using environmental screening levels (ESLs) from the Interim Final Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater (Water Board 2008) and the U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs), which are also known as preliminary remediation goals (PRGs). The EPA Region 9 PRGs have been harmonized with similar risk-based screening levels used by Regions 3 and 6 into a single table: RSLs for Chemical Contaminants at Superfund Sites (EPA 2008).

Table 1-1 presents the ESLs in soil and groundwater for benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tert-butyl ether (MTBE); naphthalene; total petroleum hydrocarbons (TPH) (gasoline, middle distillates, and residual fuel); and five metals (cadmium, chromium, lead, nickel, and zinc). Table 1-1 also provides the EPA Region 9 Industrial Soil RSLs for benzene, ethylbenzene, MTBE, naphthalene, and the five metals. There is no published RSL for any TPH fraction. In accordance with a Water Board letter dated August 7, 2007, a value of 500 milligrams per kilogram (mg/kg) was acceptable as a cleanup/action level for the investigation of additional fuel system components at Moffett Building 29 (TtEC 2007). This concentration represents the gross contamination ceiling-level ESL for nuisance at industrial/commercial sites (Water Board 2008). Therefore, for the purposes of this investigation, the Navy requests the continued use of the gross contamination ceiling-level ESLs for nuisance at industrial/commercial sites for TPH. Also, the RSL values for toluene and total xylenes were not acceptable to the Water Board. During a teleconference on August 6, 2009, which included the Navy, NASA, and the Water Board, it was determined that the RSL soil saturation concentrations would be used for toluene and total xylenes.

Sampling of polynuclear aromatic hydrocarbons (PAHs) has been conducted during previous investigations at various petroleum sites. However, no historical PAH results have exceeded the RSLs (with the exception of naphthalene). Therefore, ESLs and RSLs for PAHs (with the exception of naphthalene) are not listed in Table 1-1.

As required under SWRCB Resolution No. 2009-0042, approved on May 19, 2009, a Task Force was created to make recommendations to improve the UST Cleanup regulatory program, including additional approaches to risk-based cleanup (SWRCB 2010). Task Force recommendations included the following items ready for immediate implementation:

- **CLOSE LOW-THREAT SITES:** Use all available means to achieve the immediate closure of sites that have certain characteristics that, based on existing SWRCB precedent and closure decisions made by best-practice implementing agencies, indicate the sites do not pose a significant risk to human health or groundwater quality and can be closed consistent with applicable water-quality policies.
- **HALT USE OF SCREENING LEVELS AS CLOSURE CRITERIA:** Direct Regional Water Quality Control Boards, Local Oversight Program Agencies, and LIAs to halt the practice of using screening levels and taste and odor criteria as final cleanup levels for petroleum hydrocarbons.
- **STREAMLINE APPEALS AND DISPUTE RESOLUTION PROCESSES:** In order to speed appropriate case closures, reduce the time it takes to process an appeal, and improve dispute resolution processes: (1) Delegate authority to the Executive Director to issue closure letters in response to direct petitions from responsible parties, (2) Ensure that closure petitions are presented to SWRCB for decision no later than 120 days after the petitions are filed, and (3) Establish an ombudsman program as an informal mechanism to resolve disputes about implementation of corrective action requirements for sites short of closure.

The Task Force recommended using all available means to achieve the immediate closure of sites that meet all the following criteria:

1. The site is not located in a managed groundwater recharge area, or impacted groundwater does not discharge to a surface water body.
2. The current and reasonably anticipated future land use (based on current or pending zoning, a current General Plan or pending amendments thereto, and/or currently pending development applications) is not residential.
3. The plume is not migrating and the closest water well (domestic, irrigation, or municipal) is more than 1,000 feet from the site.
4. The maximum concentrations in groundwater are less than:
 - a. 10 parts per million (ppm) for total petroleum hydrocarbons gasoline range (TPH-g) and for TPH diesel range (TPH-d)
 - b. 1 ppm for each of the individual petroleum constituents
 - c. 0.5 ppm for each of the individual oxygenates
5. Benzene concentrations in soil are below 12 ppm to protect future construction workers.
6. The impacted groundwater is at a depth of 50 feet or less.
7. The release occurred more than 5 years ago.

Although these new recommendations include the termination of the use of screening levels, the ESLs and RSLs listed in Table 1-1 will be used to evaluate the sites; however, the sites will also be compared against the seven criteria recommended by the Task Force.

1.3 REPORT ORGANIZATION

This Completion Report is organized as follows:

- **Section 1.0** provides the introduction, facility history and current operations, regulatory framework, and report organization.
- **Section 2.0** describes field activities, including soil and groundwater sampling, analytical terminology, surface restoration, land survey, and waste disposal.
- **Section 3.0** provides site descriptions, investigation results, and closure or no further action recommendations.
- **Section 4.0** provides the data quality assurance summary.
- **Section 5.0** provides a brief report summary.
- **Section 6.0** lists the references cited in the text.
- Tables and Figures follow the text.
- **Appendix A** provides the project documentation.
- **Appendix B** contains the soil boring logs.
- **Appendix C** contains the analytical package.
- **Appendix D** presents the project photographs.
- **Appendix E** provides the data quality assessment.

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2.0 FIELD ACTIVITIES

Field activities included soil and groundwater HydroPunch[®] sampling, groundwater well installation and sampling, a soil removal action, sampling location surveying, and waste disposal. Field activities occurred during several mobilizations between October 2009 and December 2011.

2.1 SOIL AND GROUNDWATER SAMPLING

Soil samples were collected using a direct push technology (DPT) rig. Groundwater samples were collected using the HydroPunch method and a peristaltic pump. One round of water quality parameters was recorded in the field notebook where possible. Groundwater samples were also collected in existing and new monitoring wells. Sampling was completed in accordance with the Sampling and Analysis Plan (SAP) (Appendix A of the Work Plan [TtEC 2009]).

2.2 TPH-PURGEABLE AND TPH-EXTRACTABLE ANALYSIS AND TERMINOLOGY

Soil and groundwater samples were analyzed for total purgeable petroleum hydrocarbons (TPH-purgeable) and total extractable petroleum hydrocarbons (TPH-extractable) at many of the sites. TPH-purgeable analysis evaluates the concentration of gasoline-range organics (GRO). Therefore, throughout this document, the term GRO is used to describe the analysis and the results for TPH-purgeable. TPH-extractable analysis evaluates the concentrations of diesel-range organics (DRO), jet propellant grade 5 (JP-5)/kerosene, and motor oil. Therefore, the term TPH-extractable will be used to describe the analysis, but the analytical results are described in terms of DRO, JP-5/kerosene, and motor oil. Complete laboratory reports for all analyses are included in Appendix C.

2.3 SURFACE RESTORATION

After sampling was completed, the boreholes were filled with cement/bentonite grout. The surface was completed to pre-investigation conditions.

2.4 LAND SURVEY

Sampling locations other than existing monitoring wells were surveyed for horizontal and vertical position in accordance with California State Plane Coordinate System Zone III North America Datum 1983 and National Geodetic Vertical Datum 1988, respectively. Survey reports were generated and signed by a state of California-registered Professional Land Surveyor, which is included in Appendix A of this Completion Report.

2.5 WASTE CHARACTERIZATION AND DISPOSAL

Soil cuttings generated during hand augering or well installation were collected in Department of Transportation-approved 55-gallon drums and temporarily stored at the Moffett Biopad. Soil excavated from the Zook Road Fuel Spill Site was collected in roll-off bins and temporarily stored at the site within temporary fencing. The cuttings and excavated soil were characterized in accordance with the Waste Management Plan (Appendix C of the Work Plan [TtEC 2009]) and disposed of off-site at the Altamont Landfill in Livermore, California. Waste manifests are included in Appendix A of this Completion Report. Water from the Zook Road Fuel Spill Site excavation was temporarily stored in a portable tank, then transported using a vacuum truck for processing at the West-Side Aquifers Treatment System (WATS). Drums containing purge or well development water were also processed at WATS.

3.0 SITE DESCRIPTION, INVESTIGATION RESULTS, AND CLOSURE OR NO FURTHER ACTION RECOMMENDATIONS

Closure or no further action for the following Moffett petroleum sites was requested previously based on excavation, removal, and subsequent investigation activities:

- Zook Road Fuel Spill Site
- Former Sump 63
- Former UST 58

However, the Water Board requested additional information for each site before considering site closure or no further action; therefore additional sampling and evaluation were conducted. A removal action consisting of soil excavation with off-site disposal, confirmation soil sampling, oxygen release compound (ORC) addition, and excavation backfilling, was completed at the Zook Road Fuel Spill Site. The following sections provide descriptions, an investigation results summary, and a closure or no further action evaluation for the three sites. Soil and groundwater analytical results for each site are provided in Tables 3-1 and 3-2, respectively. Boring logs are included in Appendix B. The analytical reports are included in Appendix C. Project photographs are included in Appendix D.

3.1 ZOOK ROAD FUEL SPILL SITE

The Zook Road Fuel Spill Site is part of Site 20. The Zook Road Fuel Spill Site includes the area midway between Bravo taxiway and Hall Road, adjacent to the east side of Zook Road (Figure 3-1).

3.1.1 Site Description

The Zook Road Fuel Spill Site is a relatively flat, open, vegetated area east of Zook Road. According to NASA personnel (Chuck 2009), a former AST was used to store aircraft fuel that had become contaminated with water or sediment. Fuel was periodically spilled onto the ground when the AST was overfilled. The fuel accumulated in the low area adjacent to Zook Road. The AST installation date is unknown but it was moved in 1982. Although no records were kept on the amount of fuel spilled, accumulations were reportedly large enough to force temporary closure of Zook Road.

3.1.2 Previous Investigation Results Summary

PRC Environmental Management, Inc. and James M. Montgomery Consulting Engineers, Inc. conducted an investigation to evaluate the extent of site contaminants (PRC and JMM 1992). Two phases of investigation were conducted in this area in 1992 and 1994, which included drilling 21 soil borings and installing 3 groundwater monitoring wells (Figure 3-1, and Figure

I3 [TtEMI 2000a] in Appendix A). Seventeen soil samples were collected from 12 of the 21 borings (SBZR-1, SBZR-2A, SBZR-2B, SBZR-2D, SBZR-3, SBZR-4 [WZR-1]; SBZR-5, SBZR-6, SBZR-7, SBZR-8, SBZR-9 [WZR-2]; and SBZR-10 [WZR-3]). Soil samples were analyzed for TPH-extractable, TPH-purgeable, and BTEX. Soil samples from SBZR-1, SBZR-2A, SBZR-3, SBZR-5, SBZR-7, SBZR-9 [WZR-2], and SBZR-10 were analyzed for naphthalene. Analytical results from both phases of investigations indicated greatly diminished concentrations of kerosene and JP-5 over a very short distance from the apparent center of a zone of subsurface soil contamination (TtEMI 2000a). Kerosene concentrations of 100,000 mg/kg and 57,000 mg/kg were reported in soil samples from borings SBZR-2D and SBZR-2A, respectively. JP-5 concentrations of 6,800 mg/kg and 6,600 mg/kg were reported in soil samples from SBZR-5 and SBZR-7, respectively. These soil samples were collected at depths between 3.5 and 6.0 feet below ground surface (bgs). GRO, BTEX, and naphthalene concentrations were not reported above reporting limits. The extent of soil with TPH-extractable concentrations greater than RSLs listed in Table 1-1 is shown on Figure 3-1.

The three site groundwater monitoring wells were sampled for four quarters from September 1994 to June 1996. Well locations and sampling results are shown on Figure I8 included in Appendix A (TtEMI 2000a). Groundwater samples were analyzed for TPH-extractable, TPH-purgeable, and BTEX. A DRO concentration of 1,500 micrograms per liter ($\mu\text{g/L}$) was reported in the first round of samples from WZR-2. DRO concentrations were not reported in the remaining samples from the three site wells. TPH-extractable characterized as other light components at concentrations of 630 $\mu\text{g/L}$ and 760 $\mu\text{g/L}$ were reported in WZR-1 and WZR-2, respectively. Concentrations of other light components decreased to below reporting limits in WZR-2 by the last round of quarterly samples, but remained elevated (520 $\mu\text{g/L}$) in WZR-1. Benzene at a concentration equal to the ESL of 1 $\mu\text{g/L}$ was reported in the first two rounds in WZR-1. Benzene concentrations in all other samples were below reporting limits or ESL. A review of historical databases revealed no other groundwater analytical results for these wells. The three monitoring wells were destroyed in 2005.

Site 20 (including the Zook Road Fuel Spill Site) was described in the draft Basewide Petroleum Site Evaluation Methodology Technical Memorandum, Appendix I, Site 20 Petroleum Evaluation (TtEMI 2000a). Comments received from the Water Board on September 6, 2000, and October 24, 2008, indicated that additional soil and groundwater sampling for TPH-extractable was required near borings SBZR-2A and SBZR-2D (Figure 3-1) to determine whether an ongoing source of petroleum hydrocarbons exists. Therefore, additional site investigation activities were proposed for the Zook Road Fuel Spill Site.

3.1.3 Recent Investigation Results Summary

The first round of additional investigation activities was conducted in October 2009. Six soil borings were advanced and sampled using a DPT rig (Photograph D-2 Appendix D). The sampling locations (ZR-SBHP-1 through ZR-SBHP-6) are shown on Figure 3-1. These locations

were selected based on historical concentrations of TPH-extractable exceeding the RSLs. Boring ZR-SBHP-4 was located near previous borings SBZR-2A and SBZR-2D, the area with the highest TPH-extractable detection. Soil samples were collected from two intervals: 0 to 2 feet and from the interval exhibiting the highest photoionization detector (PID) reading or at the water table, whichever was shallower. HydroPunch groundwater samples were also collected from each boring. Soil and groundwater samples were analyzed for TPH-extractable and PAHs. Soil and groundwater analytical results are shown in Tables 3-1 and 3-2 respectively, and on Figure 3-1. Soil and groundwater sample results from ZR-SBHP-1 through ZR-SBHP-3 and ZR-SBHP-6 were below reporting limits or below the respective ESLs.

Soil and groundwater contamination at orders of magnitude above RSLs were reported in samples from ZR-SBHP-4. Analytical results from ZR-SBHP-4 indicate that remaining soil contamination is an ongoing source of site groundwater contamination. ZR-SBHP-5 soil sample results were below ESLs. However, JP-5/kerosene concentrations in groundwater samples were reported above ESLs.

A second round of investigation activities was conducted in March 2010. The following locations were sampled:

- ZR-SBHP-7 through ZR-SBHP-10 to characterize the extent of JP-5/kerosene contamination reported in ZR-SBHP-4 and ZR-SBHP-5 groundwater samples
- ZR-SBHP-11 and ZR-SBHP-13 through ZR-SBHP-15 to investigate a possible burn pit area (concrete pad surrounded by non-vegetated area)
- ZR-SBHP-12 to investigate downgradient of Site 20

Soil samples were collected at two depths from each location as previously described. Soil and groundwater samples were analyzed for TPH-extractable and PAHs with the exception of samples from ZR-SBHP-7 through ZR-SBHP-10. Samples from these locations did not receive PAH analysis due to the lack of PAHs above reporting limits from the initial round of sampling.

Soil and groundwater analytical results are shown in Tables 3-1 and 3-2, respectively, and on Figure 3-1. Soil results from all locations were below RSLs. Concentrations of JP-5/kerosene were reported in groundwater at ZR-SBHP-7, ZR-SBHP-8, and ZR-SBHP-10. Based on the investigation results, a source removal action for soil and the installation of a network of groundwater monitoring wells to characterize the extent of groundwater contamination were warranted at the Zook Road Fuel Spill Site.

3.1.4 Soil Removal Action Summary

A soil removal action was conducted in November 2010. The removal action was conducted around boring ZR-SBHP-4 where JP-5/kerosene concentrations in soil and groundwater were 1,900 mg/kg (at 7 to 8 feet bgs) and 170 milligrams per liter (mg/L), respectively. No

contaminants were reported above reporting limits or at concentrations greater than ESLs in shallow soil samples (1 to 2 feet bgs) in the Zook Road Fuel Spill Site (see Figure 3-1). Also, field evidence of contamination was not observed until approximately 7 feet bgs. Groundwater was observed in a saturated sand zone from 7.5 to 8 feet bgs. Soil and groundwater in this zone at boring ZR-SBHP-4 were grossly contaminated. Soil from this zone (7 to 8 feet bgs) was the target of the source removal action. Photographs of soil removal activities are included in Appendix D.

An excavator was used to remove the soil (Photograph D-3). Overburden soil from 0 to 4 or 5 feet bgs was void of field evidence of contamination and was segregated from contaminated soil, sampled, and temporarily stored in stockpiles to be used as backfill. Soil below 4 feet bgs was loaded directly into lined roll-off bins. Soil below approximately 6 feet bgs exhibited field evidence of contamination including soil discoloration (grayish green) and petroleum odor with the strongest field evidence coming from soil at approximately 7.5 to 8.5 feet bgs (Photograph D-4). The excavation depth extended to 9 feet bgs in the south and to 9.5 feet bgs in the north, and approximately 1 foot into a clay layer encountered at 8 feet bgs. The excavation extended to the west adjacent to Zook Road, to the south where field evidence of contamination rapidly diminished to nonobserved, and to the north and east where field evidence of contamination decreased sufficiently to warrant confirmation sampling (Figure 3-2). The final excavation dimensions were 16 feet wide by 27 feet long and 9 to 9.5 feet deep.

Confirmation samples were collected from the excavation sidewalls and bottom (Photograph D-5). Samples were analyzed for TPH-extractable. Sample locations are shown on Figure 3-2. Analytical results are shown in Table 3-1. TPH-extractable results for samples collected from the north (ZR-NSW) and south sidewalls (ZR-SSW) were below reporting limits. JP-5/kerosene concentrations for samples collected from the east (ZR-ESW) and west (ZR-WSW) sidewalls and from the southern portion of the excavation bottom (ZR-BOTTOM2) were above reporting limits but below ESLs. JP-5/kerosene was reported in ZR-BOTTOM1 below the RSL of 500 mg/kg. To avoid penetrating the bottom clay layer, the excavation was not deepened in this area.

Approximately 150 cubic yards of soil was excavated, and 90 cubic yards was transported off-site for disposal. The stockpiles of segregated overburden (Photograph D-6), approximately 60 cubic yards, were sampled prior to use as backfill. Two samples were collected and analyzed for TPH-extractable. Analytical results were below ESLs so all the stockpiled soil was used as backfill material.

Groundwater accumulated in the excavation. No sheen was observed on the water. The water was pumped out and temporarily stored in a portable tank (Photograph D-6). Approximately 4,500 gallons was removed from the excavation. The water was transported using a tanker truck for treatment at WATS. The water was not sampled prior to treatment.

The excavation was backfilled with ¾-inch crushed rock from Stevens Creek Quarry, an off-site source approved by the Navy. ORC (225 pounds) was added to the bottom 3 feet of backfill material to aid in remediation of the remaining soil and groundwater contamination. The ORC powder was added to the gravel in the excavator bucket and placed at the excavation bottom (Photograph D-7). The excavation was backfilled with crushed rock to 3.75 feet bgs. A geotextile fabric was spread over the top of the gravel (Photograph D-8). The clean overburden was used to backfill the remainder of the excavation. The overburden was placed and compacted in 1-foot lifts using a sheep's-foot roller attached to the excavator (Photograph D-9). The ground surface was restored to match the pre-existing grade and conditions (Photograph D-10).

3.1.5 Groundwater Monitoring Well Installation

A network of groundwater wells was installed to monitor the effect of the removal action on site groundwater and to further characterize the extent of groundwater contamination previously reported in HydroPunch samples. Well locations were as follows:

- WZR-4 was located in the excavation near ZR-SBHP-4, the location with the highest previously detected soil and groundwater contamination (Figure 3-1).
- WZR-5 was located adjacent to ZR-SBHP-7 where soil and groundwater contamination had previously been reported (Figure 3-1).
- WZR-6 through WZR-8 were located down or crossgradient of the groundwater plume as detected by the HydroPunch sampling.

The wells were installed in December 2010 using a hollow-stem auger rig. Continuous soil cores were collected and examined by a field geologist for lithologic interpretation and were field screened for volatile organic compounds (VOCs) using a PID. Soil exhibiting the highest PID measurement was retained for TPH-extractable analysis. Soil cores and samples were not collected from WZR-4 because this well was installed through the excavation backfill.

Table 3-1 shows soil sample analytical results. DRO and JP-5/kerosene were reported at concentrations of 16 mg/kg and 10 mg/kg (estimated) in the sample from WZR-6. These concentrations are below ESLs. All other results were below reporting limits.

Wells were constructed of 2-inch-diameter polyvinyl chloride (PVC) well screen and casing. Well screen slot size was 0.010 inch. Screens in all wells except WZR-7 were 5 feet long. The screen in WZR-7 was 3 feet long. The screens were installed across the first saturated zone. Well construction details are included in Table 3-3.

3.1.6 Groundwater Monitoring Well Results

Quarterly sampling of wells WZR-4 through WZR-8 began in January 2011. The wells were sampled for four quarters. Groundwater samples were analyzed for TPH-extractable. All results were below reporting limits. Analytical results are shown in Table 3-2. Dissolved oxygen (DO)

concentrations were elevated in well WZR-4 as a result of the ORC addition during excavation backfilling. Field instruments were used to measure DO during well purging prior to sampling. DO concentrations reported in WZR-4 ranged from 20.3 mg/L in January 2011 to 5.0 mg/L in October 2011. DO concentrations were also elevated in wells WZR-6 (6.9 mg/L) and WZR-7 (4.5 mg/L) in January 2011. DO concentrations in all other wells during the four quarters of sampling were relatively stable, ranging from 0.05 to 1.8 mg/L.

3.1.7 Groundwater Flow Direction

Prior to purging, groundwater-level measurements were collected during each round of sampling. Groundwater elevation data were plotted to evaluate groundwater flow direction. Groundwater flow direction, as measured in the five site monitoring wells, was to the north, consistent with biannual basewide groundwater measurements. Elevation data from the July 2011 sampling event are plotted on Figure 3-3.

3.1.8 Future Land Use

The site is adjacent to an active taxiway and runway. There are no known plans for reuse or redevelopment of the area.

3.1.9 Closure Evaluation

Considerable site characterization activities have been conducted to evaluate the extent of the Zook Road Fuel Spill Site. A removal action was completed in December 2010 to remove the source of site groundwater contamination. The removal action consisted of:

- Excavation and off-site disposal of 90 cubic yards of contaminated soil
- Extraction of 4,500 gallons of groundwater
- Addition of 225 pounds of ORC

Results from excavation sidewall and bottom samples confirmed that soil with TPH-extractable concentrations greater than RSLs has been removed. A network of five monitoring wells was installed and sampled for four quarters. Two of the wells were located adjacent to the two former sampling locations with the highest reported soil and groundwater contamination concentrations. Four quarters of groundwater sampling results below reporting limits confirm successful source removal and no impact to site groundwater. Therefore, closure is recommended for the Zook Road Fuel Spill Site. Because wells WZR-4 through WZR-8 were installed specifically to monitor the Zook Road Fuel Spill Site, destruction of these wells (under Santa Clara Valley Water District permit requirements) is recommended.

3.2 SUMP 63

3.2.1 Site Description

Sump 63 is a 200-gallon concrete sump located adjacent to former Building 142 (see Figures 1-3 and 3-4). This sump was used to collect wastewater from equipment-cleaning operations (PRC 1995). Wastewater in Sump 63 was discharged into an industrial sewer line, which ultimately discharged to the former flux ponds (Chuck 2009).

3.2.2 Previous Investigation Results

During an investigation of Sump 63 in 1994, two soil samples (GP63-1 and GP63-2, see Figure 3-5) and one grab groundwater sample (HP63-1) were collected from this site (PRC 1995). Soil samples were collected at 3 to 5 feet, and 5 to 7 feet bgs at both locations. The samples were analyzed for TPH-extractable, oil and grease, and TPH-purgeable. Analytical results for the 3- to 5-foot-bgs samples at both locations were below reporting limits. Results for the 5- to 7-foot-bgs samples were as follows:

- GP63-1 – 61 mg/kg JP-5, 37 mg/kg oil and grease, 72 mg/kg TPH-purgeable (light components)
- GP63-2 – 17 mg/kg TPH-extractable (heavy components), 33 mg/kg oil and grease

The results were below ESLs.

A review of the Work Plan for the closure of the flux ponds indicated that drain lines that formerly discharged to the flux ponds would be cleaned by employing a hydroblasting unit that provides high-pressure water and trisodium phosphate degreaser to dislodge and force any residual material from the pipeline (IT 1995). The flux ponds, distribution sump, and piping contained within the ponds were excavated, sampled, and closed in 1995. Pipe connections upstream of the ponds and distribution pump (industrial sewer line and Sump 63) were plugged and sealed (IT 1996).

According to NASA personnel, Sump 63 was cleaned out and incorporated into the storm drain system at Moffett (TtEMI 2000b). However, during rain events, the sump fills with water and the area around the sump stays flooded for several weeks. During the geophysical investigation before the recent characterization activities, the sump effluent pipeline was found to be plugged. There is also no surface evidence, such as saw cuttings of the existing concrete, that would indicate the sump effluent piping was rerouted to the storm drain. These observations indicate that the sump was likely not connected to the storm drain but rather plugged and sealed as reported in the draft Project Completion Report, Closure of Two Flux Ponds, Moffett Federal Airfield (IT 1996).

Closure for Sump 63 was recommended in the final Basewide Petroleum Site Evaluation Methodology Technical Memorandum, Phase III Basewide Tank Closure Report No Further

Action (TtEMI 2003a). However, the Water Board has requested additional information regarding the pipeline extending from former Sump 63 to the former flux ponds and the distance from former Sump 63 to the nearest surface water body. Therefore, an additional site investigation was proposed for former Sump 63.

3.2.3 Nearest Surface Water Body

The nearest surface water receptor to former Sump 63 is the Marriage Road ditch (Figure 1-3), which is approximately 1,500 feet northwest of the sump.

3.2.4 Current Investigation Results Summary

The first round of additional investigation activities was conducted in October 2009. A geophysical survey was completed and the exact location of the former industrial sewer line was determined. Eighteen soil borings were advanced at approximately 50-foot intervals using air vacuum excavation equipment to expose the top of the pipe (Photographs D-13 and D14). The top of the pipe was observed between 2 and 3 feet bgs. Sample locations S63-SB-1 through S63-SB-18 are shown on Figures 3-4 and 3-5. Once exposed, a hand auger and slide hammer with a 6-inch-long soil core sampler was used to collect a soil sample from approximately 1 foot below the pipe (from 3 to 3.5 – 4.5 to 5 feet bgs) at the bottom of the pipeline trench (Photograph D-15). Samples were analyzed for TPH-purgeable, TPH-extractable, VOCs, and five metals (cadmium, chromium, lead, nickel, and zinc). Analytical results greater than ESLs are shown on Figures 3-4 and 3-5. Complete soil analytical results are shown in Table 3-1. Findings from this first round of investigation activities included the following:

- DRO and JP-5/kerosene concentrations greater than RSLs in S63-SB-2, S63-SB-3, S63-SB-5, and S63-SB-6 (see Figure 3-4)
- DRO and JP-5/kerosene concentrations greater than ESLs but less than RSLs in S63-SB-4, S63-SB-7 and S63-SB-17 (see Figures 3-4 and 3-5)
- The absence of the pipeline at S63-SB-4 indicating the possible removal of a section of the pipeline during the installation of electric and communications lines (see Figure 3-5)

From March 2010 through October 2011, 15 soil boring/HydroPunches (S63-SBHP-1 through S63-SBHP-15) were sampled to evaluate the extent of contamination observed beneath the pipeline. Three soil boring/HydroPunches were sampled at each of the original pipeline sampling locations where concentrations above the RSL were reported (Figure 3-5 and Photograph D-16).

Of the three soil boring/HydroPunches, one was located in the pipeline trench. Soil boring/HydroPunches located in the pipeline trench included S63-SBHP-5, -7, -10, and -13. Two soil samples were collected from each of these locations to evaluate the extent of contamination directly below the pipeline. Samples were collected approximately 2 feet below

the original sample depth and at the water table. A groundwater HydroPunch sample was also collected directly below the pipeline.

Two additional soil boring/HydroPunches were located on either side of the pipeline trench to evaluate whether contamination detected in the trench bottom had migrated laterally from the trench. Locations S63-SBHP-4 and -6 were located approximately 15 feet from the trench. Subsequent borings were located closer to the trench, approximately 3 to 4 feet from the trench centerline. Soil and groundwater samples were collected from each location.

Analytical results are shown on Figures 3-4 and 3-5. Complete analytical results are shown in Tables 3-1 and 3-2. Soil with reported DRO or JP-5/kerosene concentrations greater than RSLs is limited to below the pipeline (approximately 3.5 feet bgs) to 7 feet bgs. Contaminant concentrations in soil at the water table (8 to 10 feet bgs) were below reporting limits at three of four locations. At the one location where soil contamination was above reporting limits (S63-SPHP-13), concentrations were below RSLs. Contaminant concentrations in the soil samples collected 3 to 4 feet from the centerline of the pipeline trench were below reporting limits in 9 of 10 locations. Contaminant concentrations were below RSLs from 6 to 7 feet bgs at S63-SPHP-15 located 3.5 feet from the center line of the trench.

Contaminant concentrations above reporting limits were not reported in groundwater samples collected directly below the pipeline from HydroPunches screened from 9 to 12 feet bgs. GRO was reported at 0.19 mg/L in a groundwater grab sample collected from a well screen installed in an open borehole (S63-SBHP-5). This location was resampled with a HydroPunch screen open to the formation from 9 to 12 feet bgs (S63-SBHP-16). Contaminant concentrations in the groundwater sample from S63-SBHP-16 were below reporting limits. Contamination concentrations in all groundwater samples collected adjacent to the pipeline trench were below reporting limits.

3.2.5 Potential for Methane or Benzene Generation from Remaining Site Contamination

Recent characterization activities included analysis of soil and groundwater samples for VOCs, including benzene. Benzene concentrations were not reported in soil or groundwater samples above reporting limits (Tables 3-1 and 3-2).

Field methane monitoring was performed during the sampling of S63-SBHP-7 through -16. A Thermo Innova ST 4 gas monitor capable of measuring methane concentrations from 0 to 10,000 ppm in 20-ppm increments was used to screen the top of the boreholes and the PVC casing of the HydroPunches. Methane measurements at S63-SBHP-7 through -16 were 0.

Dissolved methane analysis using method RSK 175 was performed on groundwater samples from S63-SBHP-7 through -16. Dissolved methane concentrations from below the reporting limit of 1.0 µg/L to 5.7 µg/L were reported.

The Sump 63 pipeline release is at least 16 years old. Laboratory analysis indicates benzene is not being generated at the site. Although trace amounts of methane were reported in groundwater, this amount is insufficient to accumulate and pose an explosion or asphyxiation hazard. Field measurements taken during recent sampling events confirm that methane is not accumulating.

3.2.6 Groundwater Flow Direction and Aquifer Use

Groundwater monitoring wells were not installed as part of the Sump 63 site characterization. Therefore, semiannual groundwater potentiometric surface maps for the eastern portion of Moffett from 1999 through 2010 were reviewed. Sump 63 area groundwater flow direction in the upper A aquifer is consistently north to north-northwest.

Shallow groundwater is not currently used as a drinking water source. While the upper A aquifer is considered a potential drinking water source under EPA and Water Board guidelines, it is unlikely that this groundwater would be developed due to the site's proximity to the south San Francisco Bay and the poor aquifer yield.

There are no active water supply wells at Moffett. Wells previously drew water from the deeper C aquifer, screened from 155 to 250 feet bgs. Water is currently supplied via the Hetch Hetchy aqueduct. Water from this aqueduct will likely be used to support any future development.

3.2.7 Compliance with Closure Criteria for Low-Risk Petroleum Sites

The following is an evaluation of Sump 63 compared to the closure criteria for low-risk petroleum sites recommended by the SWRCB Resolution No. 2009-0042 Task Force. Each criterion is numbered and followed by the description of how the site meets that criterion.

1. The site is not located in a managed groundwater recharge area, or impacted groundwater does not discharge to a surface water body.

This criterion has been met. The site is not located in a managed groundwater recharge area. The nearest surface water body is the Marriage Road Ditch, 1,500 feet northwest of the site.

2. The current and reasonably anticipated future land use (based on current or pending zoning, a current General Plan or pending amendments thereto, and/or currently pending development applications) is not residential.

This criterion has been met. According to NASA personnel, there are no development plans for this area. Building 142 was demolished in 2010. The nearest occupied structure is Hangar 3, approximately 375 feet to the west of the pipeline. The area from Sump 63 to sample location 63-SB-4 is paved and within a secured area, behind

a controlled gate. The area above the remaining pipeline is unpaved and parallels the security fence, approximately 5 feet outside the secured area.

3. The plume is not migrating and the closest water well (domestic, irrigation, or municipal) is more than 1,000 feet from the site.

This criterion has been met. There is no groundwater plume at this site. The upper A aquifer is not used for irrigation or for industrial, municipal, or domestic water supply. There are no water supply wells on Moffett. The nearest sensitive receptor (Marriage Road Ditch, 1,500 feet northwest) would not be impacted from remaining site contaminants.

4. The maximum concentrations in groundwater are less than:
 - a. 10 parts per million (ppm) for total petroleum hydrocarbons gasoline range (TPH-g) and for TPH diesel range (TPH-d)
 - b. 1 ppm for each of the individual petroleum constituents
 - c. 0.5 ppm for each of the individual oxygenates

These criteria have been met. Contamination concentrations greater than the reporting limits were not reported in HydroPunch samples screened from 7 to 12 feet bgs. (TPH-g at 0.190 mg/L was reported in the groundwater grab sample collected from an open borehole at S63-SBHP-5.)

5. Benzene concentrations in soil are below 12 ppm to protect future construction workers.

This criterion has been met. Benzene concentrations greater than reporting limits were not reported in any soil or groundwater sample.

6. The impacted groundwater is at a depth of 50 feet or less.

This criterion has been met. The first saturated zone is observed at approximately 8 to 10 feet bgs under confined conditions. Depth to site groundwater as measured in HydroPunches is approximately 5 to 6 feet bgs.

7. The release occurred more than 5 years ago.

This criterion has been met. According to previous reports, Sump 63 and the related pipeline were cleaned and the pipeline was plugged in 1995. Therefore, the release is at least 16 years old.

3.2.8 Closure Evaluation

Closure for Sump 63 was recommended in the final Basewide Petroleum Site Evaluation Methodology Technical Memorandum, Phase III Basewide Tank Closure Report for No Further Action (TtEMI 2003a). However, the Water Board requested additional information regarding the pipeline extending from former Sump 63 to the former flux ponds and the distance from former Sump 63 to the nearest surface water body.

Closure is recommended for Sump 63 for the following reasons:

- According to previous reports, Sump 63 and the related pipeline were cleaned and the pipeline plugged in 1995, effectively removing any potential ongoing source of contamination.
- The site is well-characterized, and remaining contamination is stable, has not migrated to the groundwater, and is not migrating off-site.
- The site meets the seven closure criteria for a low-risk petroleum site.
- There is no evidence that remaining soil contamination will degrade to benzene or that methane will accumulate and become an explosion or asphyxiation hazard. The nearest structure is Hangar 3, approximately 375 feet to the west of the pipeline. Current and future land use is a paved tarmac and security area east of Hangar 3. There are no redevelopment plans at this time.
- The nearest surface water is 1,500 feet northwest of Sump 63 and would not be impacted from remaining soil contaminants.

3.3 FORMER UNDERGROUND STORAGE TANK 58

UST 58 was a 300-gallon, single-walled UST that received waste oil from a dual-chambered concrete oil/water separator (OWS) (Tanks 58A and 58B) that received drainage and wash water from the former automotive hobby shop at Building 544 (see Figures 1-3 and 3-6) (PRC 1996). An aerial photograph detailing the tank and piping configuration is provided in Photograph D-17. Water from the OWS was discharged to the sanitary sewer. The waste oil was transferred to UST 58. The piping connecting the OWS to the sanitary sewer was plugged with cement in April 1993 (CWMI 1993).

3.3.1 Site Description

Building 544 was once the Moffett automobile hobby shop consisting of covered vehicle service bays open to the courtyard (Photograph D-18). Building 958, north of former UST 58, is a covered storage area open on all sides. The structure northeast of former UST 58 is a covered vehicle wash facility open on all sides. Recently, the area around Building 544 was used by the Army for vehicle and equipment storage. The Army vacated the area in mid-2011. The area is now vacant.

3.3.2 Previous Investigation Results

Excavation of UST 58 (which included removal of the concrete OWS, Tanks 58A and 58B) and associated piping was conducted by the Navy Public Works Center in April 1994 (NPWC 1994). Diesel odors were noted during excavation. UST 58 and associated piping were inspected after removal; no holes were observed, and both the UST and piping appeared to be in good condition. Piping from UST 58 to the sanitary sewer was also removed (Chuck 2009); however, it appears that the drains and piping from Building 544 to UST 58 were left in place. According to NASA personnel, and as detailed in the aerial photograph (see Photograph D-17), the drains and piping were rerouted for use in the Moffett storm drain system (Chuck 2009). Soil samples were

collected from the sidewalls of the excavation about 6 inches above the soil-groundwater interface. Samples were analyzed for TPH-purgeable, TPH-extractable, BTEX, VOCs, and five metals (cadmium, chromium, lead, nickel, and zinc). Concentrations of TPH-purgeable and TPH-extractable were detected above the action levels. After sampling was complete, the excavation was lined with plastic sheeting and backfilled with clean material.

In 1994, three soil borings (SB58-1, SB58-2, and SB58-3; Figure 3-6) were advanced around the excavation and sampled as discussed in the draft final Phase II Basewide Tank Closure Report (TtEMI 2003b). Sampling results indicated concentrations of TPH-extractable above action levels. One of the soil borings was converted to monitoring well W58-1 (see Figure 3-6). Four quarterly monitoring events were conducted in 1995, and an additional event was conducted in 1999. In 1995, sampling results indicated concentrations of benzene and TPH-purgeable above their action levels. However, during sampling in 1999, results for benzene and TPH-purgeable were not detected at their respective reporting limits. Based on the information provided in the Tank Closure Report, closure for former UST 58 was recommended; however, the Water Board requested additional information on the OWS, the collection of a near surface soil sample adjacent to Building 544 to evaluate potential vapor intrusion, and additional groundwater sampling downgradient of former UST 58.

3.3.3 OWS Information

The historical document states that the concrete OWS, Tanks 58A and 58B, was removed during excavation of UST 58 and was assumed to be broken down prior to removal (TtEMI 2003b). Piping from UST 58 to the sanitary sewer was also removed (Chuck 2009); however, the drains and piping in the Building 544 courtyard were left in place. According to NASA personnel, and as detailed in Photograph D-17, the drains and piping were rerouted for use in the Moffett storm drain system and the pipe that discharged to former UST 58 was plugged with concrete (Chuck 2009).

3.3.4 Recent Investigation Results

Recent investigation activities included collecting soil and groundwater samples along the piping and adjacent to the catch basins located within the Building 544 courtyard and investigating the extent of remaining soil and groundwater contamination associated with the former UST 58.

3.3.5 Building 544 Courtyard

In October 2009, five soil borings (UST58-SB1 through UST58-SB5) were advanced to collect near surface soil samples to evaluate the potential for vapor intrusion and investigate the remaining piping located within the Building 544 courtyard. Boring locations are shown on Figure 3-6. Borings were advanced using air vacuum excavation equipment to expose the pipe/drain. The bottom of the catch basin was observed at 1.5 feet bgs in borings UST58-SB1 through UST58-SB3. The bottom of the pipe was observed at 2.5 feet bgs in UST58-SB4.

Piping was not observed in UST58-SB5. A hand auger and slide hammer with a split soil core sampler was used to collect a soil sample from approximately 1 foot below the pipe/drain. Samples were analyzed for TPH-purgeable, TPH-extractable, VOCs, and the five metals.

Contaminant concentrations exceeding screening criteria are shown on Figure 3-6. Complete analytical results are shown in Tables 3-1 and 3-2. DRO was reported at a concentration above the RSL in boring UST58-SB2. TPH-purgeable, TPH-extractable, VOCs, and the five metals were not reported in the soil samples collected from UST58-SB1, -SB4, and SB5.

In March 2010, step-out boring UST58-SBHP-8 was advanced adjacent to UST58-SB2 to evaluate the extent of TPH-extractable contamination reported at UST58-SB2. A soil sample was collected at the water table. A groundwater sample was also collected. DRO and JP-5/kerosene in soil were reported at concentrations below RSLs. TPH-purgeable, TPH-extractable, VOCs, and metals were not reported in groundwater at concentrations exceeding ESLs. These results confirmed that the extent of DRO contamination in soil exceeding the RSL was limited to below the catch basin bottom, did not extend to the water table, and has not impacted groundwater.

3.3.6 UST 58 Area

In October 2009, UST58-SBHP-1 through UST58-SBHP-4 (Figure 3-6) were advanced and sampled to characterize any potential residual UST-related contamination. Soil samples were collected and analyzed from the interval exhibiting the highest PID reading or at the water table, whichever was shallower. Soil samples were analyzed for TPH-purgeable, TPH-extractable, VOCs, and the five metals (cadmium, chromium, lead, nickel, and zinc). Groundwater samples were collected from each location and were analyzed for TPH-purgeable, TPH-extractable, VOCs, and five dissolved metals (cadmium, chromium, lead, nickel, and zinc). Existing monitoring well W58-1 was also sampled for TPH-purgeable, TPH-extractable, VOCs, and the five dissolved metals. Contaminant concentrations exceeding screening criteria are shown on Figure 3-6. Complete analytical results are shown in Tables 3-1 and 3-2.

TPH-purgeable, TPH-extractable, VOCs, and metals were not reported at concentrations exceeding ESLs in soil samples from UST58-SBHP-1 through UST58-SBHP-3. DRO and JP-5/kerosene were reported in excess of RSLs at UST58-SBHP-4. GRO and benzene were also reported at UST58-SBHP-4 but at concentrations less than RSLs.

Cadmium, lead, and benzene in UST58-SBHP-1, and cadmium and nickel in UST58-SBHP-2 were reported at concentrations that exceeded groundwater ESLs. GRO, DRO, and JP-5/kerosene were reported at concentrations at, or exceeding, groundwater ESLs in UST58-SBHP-4. TPH-purgeable, TPH-extractable, VOCs, and dissolved metals were not reported at concentrations exceeding ESLs in the groundwater sample from UST58-SBHP-3.

In March 2010, UST58-SBHP-5 through UST58-SBHP-7 were advanced and sampled to characterize the extent of soil and groundwater contamination observed at UST58-SBHP-4. Elevated PID readings were observed in fine-grained material between 7 and 10 feet bgs. DRO and JP-5/kerosene at concentrations exceeding RSLs were reported in UST58-SBHP-5 and UST58-SBHP-7 (Figure 3-6). DRO, JP-5/kerosene, and motor oil were reported at concentrations exceeding groundwater ESLs in UST58-SBHP-5 and UST-SBHP-6.

The extent of contamination exceeding soil RSLs and groundwater ESLs (as detected in HydroPunch samples from soil borings) is shown on Figure 3-6. Based on the investigation results, the installation of groundwater monitoring wells to characterize the extent of contamination was warranted at the UST 58 area.

3.3.7 Groundwater Monitoring Well Installation

A network of groundwater wells was installed to further characterize the extent of groundwater contamination previously reported in HydroPunch samples UST58-SBHP-4 through UST58-SBHP-6. Well locations were as follows:

- W58-2 was located midway between the two HydroPunch locations with the highest previously reported groundwater contamination and was intended to monitor concentration trends in the center of the plume as detected in HydroPunch samples.
- Wells W58-3 through W58-5 were located to characterize the extent of contamination reported at UST58-SBHP-5 and UST58-SBHP-6.

Existing well W58-1, located adjacent to the former tank excavation, was also included in the monitoring well network.

The wells were installed in December 2010 using a hollow-stem auger rig. Continuous soil cores were collected and examined by a field geologist for lithologic interpretation and were field screened for VOCs using a PID. Soil exhibiting the highest PID measurement was retained for TPH-extractable, TPH-purgeable, VOCs, and PAHs analysis. PAH analysis was added at the request of the Water Board. Analysis for the five metals was eliminated due to lack of concentrations greater than ESLs in samples from UST58-SBHP-3 through UST58-SBHP-7.

Soil sample analytical results are shown on Figure 3-6 and in Table 3-1. DRO and JP-5/kerosene in excess of RSLs were reported in the sample from W58-2. Soil sample results from the other three wells were below reporting limits.

Wells were constructed of 2-inch-diameter PVC well screen and casing. Screen slot size was 0.010 inch. Screens were from 3 to 5 feet long. The screens were installed across the first saturated zone as observed during drilling. Saturated zones (sandy silt) were observed in most wells between 9 and 12 feet bgs. The saturated zone was below a clay layer. Groundwater levels eventually increased to approximately 6 feet bgs at most locations. The increase in

groundwater levels indicates the clay is acting as a confining layer. A saturated interval was not observed in well W58-3 (Photograph D-20). However, a well was constructed after water was detected in the open borehole after about 30 minutes had elapsed. Well construction details are included in Table 3-3.

3.3.8 Groundwater Monitoring Well Results

Quarterly sampling of wells W58-1 through W58-5 began in January 2011. The wells were sampled for four quarters. Groundwater samples were analyzed for TPH-extractable, TPH-purgeable, VOCs, and PAHs. JP-5/kerosene were reported at estimated concentrations of 0.3 µg/L in W58-2 during the January sampling event. Results for all other wells during the four quarterly events were below reporting limits. Analytical results are shown in Table 3-2. It appears that contaminants detected in groundwater HydroPunch samples were likely due to groundwater, under confining conditions, rising in the borehole and coming into contact with contaminated soil observed in the clay layer above the saturated zone. Contaminants reported in groundwater HydroPunch samples were not indicative of actual site conditions as shown by four quarters of monitoring well results.

3.3.9 Groundwater Flow Direction and Aquifer Use

Groundwater-level measurements were collected, prior to purging, during sampling events. Groundwater elevation data were plotted to evaluate groundwater flow direction. Groundwater flow direction as measured in the five site monitoring wells varied throughout the year but was generally to the north and consistent with biannual basewide groundwater measurements. Elevation data from the July 2011 sampling event is plotted on Figure 3-7.

Shallow groundwater is not currently used as a drinking water source. While the upper A aquifer is considered a potential drinking water source under EPA and Water Board guidelines, it is unlikely that this groundwater would be developed because of the site's proximity to the south San Francisco Bay, poor aquifer yield, and poor water quality. Former UST 58 overlies the area that is impacted by a regional plume of VOCs from the Middlefield-Ellis-Whisman Superfund site, located south of Highway 101. The remediation of the regional VOC plume is being controlled by several groundwater pump-and-treat systems, including the Navy's WATS. WATS uses granular activated carbon to treat VOCs in extracted groundwater. WATS includes six upper A aquifer and three lower A aquifer extraction wells, which create a capture zone. Groundwater within the capture zone is extracted by one or more of the WATS extraction wells and is subsequently treated at WATS. The former UST 58 site lies within the WATS capture zone.

There are no active water supply wells at Moffett. Wells previously drew water from the deeper C aquifer, screened from 155 to 250 feet bgs. Water is currently supplied via the Hetch Hetchy aqueduct. Water from this aqueduct will likely be used to support any future development.

3.3.10 Potential for Methane or Benzene Generation from Remaining Site Contamination

Recent characterization activities included analysis of soil and groundwater samples for VOCs, including benzene. Benzene was reported at concentrations above ESLs in 1 of 17 soil samples (48 µg/kg [estimated] in UST58-SBHP-4) and in 1 of 32 groundwater samples (1.2 µg/L in UST58-SBHP-1) (Tables 3-1 and 3-2).

Field methane monitoring was performed during quarterly groundwater sampling beginning with the July 2011 sampling round. A Thermo Innova ST 4 gas monitor capable of measuring methane concentrations from 0 to 10,000 ppm in 20-ppm increments was used to screen the head space of each well. The gas monitoring probe tip was inserted beneath the well cap before purging activities. The methane measurement for each well was 0.

Dissolved methane analysis using method RSK 175 was performed on groundwater samples collected in July and October 2011. Dissolved methane concentrations ranging from below the reporting limit of 1.0 µg/L to 420 µg/L were reported.

Former UST 58 was removed in April 1994, which makes any related fuel contamination at least 17 years old. Benzene is rarely detected above ESLs in soil and groundwater, indicating it is not being generated at the site. Although methane was reported in site groundwater, well head space monitoring indicates that this amount is insufficient to accumulate and pose an explosion or asphyxiation hazard. Field measurements during recent sampling events confirm methane is not accumulating.

3.3.11 Future Land Use

The site is an abandoned vehicle hobby shop and storage yard. According to NASA personnel, there are no known plans for reuse or redevelopment of the area.

3.3.12 Compliance with Closure Criteria for Low-Risk Petroleum Sites

The following is an evaluation of the former UST 58 compared to the closure criteria for low-risk petroleum sites recommended by the SWRCB Resolution No. 2009-0042 Task Force. Each criterion is numbered and followed by the description of how the site meets that criterion.

1. The site is not located in a managed groundwater recharge area, or impacted groundwater does not discharge to a surface water body.

This criterion has been met. The site is not located in a managed groundwater recharge area. The nearest surface water body is at the Sunnyvale Golf Course, 3,700 feet southeast of the site.

2. The current and reasonably anticipated future land use (based on current or pending zoning, a current General Plan or pending amendments thereto, and/or currently pending development applications) is not residential.

This criterion has been met. According to NASA personnel, there are no development plans for this area. Buildings in the area include an abandoned vehicle hobby shop opened to an interior court yard, a covered car/truck wash open on all sides, and a covered storage area opened on all sides. The area is currently unoccupied. The area is paved and within a secured area (gated and locked).

3. The plume is not migrating and the closest water well (domestic, irrigation, or municipal) is more than 1,000 feet from the site.

This criterion has been met. There is no groundwater plume at this site as determined by the results of four quarters of groundwater monitoring well sampling. The upper A aquifer is not used for irrigation or for industrial, municipal, or domestic water supply. There are no water supply wells on Moffett. The nearest receptor (a pond at the Sunnyvale Golf Course located 3,700 feet southeast and upgradient of the site) would not be impacted from remaining site contaminants.

4. The maximum concentrations in groundwater are less than:
 - a. 10 parts per million (ppm) for total petroleum hydrocarbons gasoline range (TPH-g) and for TPH diesel range (TPH-d)
 - b. 1 ppm for each of the individual petroleum constituents
 - c. 0.5 ppm for each of the individual oxygenates

These criteria have been met. Monitoring well sampling confirms the absence of a groundwater contaminant plume. Contaminants detected in HydroPunch samples were likely due to groundwater under confining conditions, rising and coming into contact with contaminated soil observed in the clay layer above the saturated zone.

5. Benzene concentrations in soil are below 12 ppm to protect future construction workers.

This criterion has been met. The maximum benzene concentration reported in soil (48 µg/kg [estimated]) was three orders of magnitude lower than the criterion concentration.

6. The impacted groundwater is at a depth of 50 feet or less.

This criterion has been met. Depth to site groundwater is approximately 6 feet bgs.

7. The release occurred more than 5 years ago.

This criterion has been met. UST 58 was excavated and removed in April 1994. Therefore, the release is at least 17 years old.

3.3.13 Closure Evaluation

To consider closure for the site, the Water Board requested additional information on the OWS, the collection of a near surface soil sample adjacent to Building 544 to evaluate potential vapor intrusion, and additional groundwater sampling downgradient of former UST 58.

Closure is recommended for UST 58 for the following reasons:

- The draft final Phase II Tank Closure Report states that the concrete OWS, Tanks 58A and 58B, was removed during excavation of UST 58 and was assumed to be broken down prior to removal (TtEMI 2003b).
- BTEX was reported in the near surface soil sample collected adjacent to Building 544 (UST58-SB5), but at concentrations below ESLs. However, a vapor exposure pathway is not complete at this site due to Building 544 construction (covered vehicle maintenance bays open to the courtyard, Photograph D-18).
- The site is well-characterized. Remaining soil contamination is located in a clay zone at approximately 7 to 10 feet bgs, has not migrated to the groundwater, and is not migrating off-site.
- The site meets the seven closure criteria for a low-risk petroleum site.
- There is no evidence that remaining soil contamination will degrade to benzene or that methane will accumulate and become an explosion or asphyxiation hazard. There are no redevelopment plans at this time.
- The nearest surface water is 3,700 feet southeast and upgradient of the site and would not be impacted from remaining soil contaminants.

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4.0 QUALITY ASSURANCE AND QUALITY CONTROL

This data quality assessment was prepared to evaluate the implementation of the sampling and analysis procedures detailed in the final SAP for petroleum sites at Moffett (TtEC 2009). The sampling scope of work included collection of soil and groundwater samples at former petroleum sites as described in this Completion Report. The samples were analyzed by APPL, Inc., a state of California-certified and Navy-evaluated laboratory. Subsequently, a third-party validation company (Laboratory Data Consultants, Inc.) performed data validation on all sample analyses. The validation was conducted in accordance with Environmental Work Instruction (EWI) #1, 3EN2.1, Chemical Data Validation (SWDIV 2001), the Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008 (EPA 1999), the Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04/004 (EPA 2004), the Quality Systems Manual for Environmental Laboratories (DoD 2009), and the criteria specified in the SAP (TtEC 2009).

The data collected during field activities are valid and usable and have been qualified for analytical parameters that did not meet criteria as described above. All samples were collected in accordance with the criteria listed in the SAP (TtEC 2009), and all results were qualified based on guidelines described above. The analytes were found to be of appropriate quality to support the data evaluation detailed in this report. The complete data quality assessment is included in Appendix E.

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5.0 SUMMARY

Closure and no further action for each of the following sites had been previously requested based on excavation, removal, and subsequent investigation activities:

- Zook Road Fuel Spill Site
- Sump 63
- Former UST 58

However, the Water Board requested additional information for each site. The requested information was collected and evaluated, and a soil removal action was performed at the Zook Road Fuel Spill Site. New groundwater monitoring wells were installed at that site and also at Former UST 58. The wells were sampled for four quarters, and the additional information collected at each of the three sites supports the closure with no further action recommendation.

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TABLES

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TABLE 1-1
ENVIRONMENTAL SCREENING LEVELS AND CLEANUP/ACTION LEVELS
FOR PETROLEUM CONSTITUENTS
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES

Constituent	Screening Criteria								Cleanup/Action Levels
	ESLs - Shallow Soils (≤ 3 m bgs) Groundwater IS a Current or Potential Source of Drinking Water		ESLs - Deep Soils (> 3 m bgs) Groundwater IS a Current or Potential Source of Drinking Water		ESLs - Shallow Soils (≤ 3 m bgs) Groundwater IS NOT a Current or Potential Source of Drinking Water		ESLs - Deep Soils (> 3 m bgs) Groundwater IS NOT a Current or Potential Source of Drinking Water		RSLs (Region 9 PRGs)
	Commercial/ Industrial Land Use Only (mg/kg)	Groundwater (µg/L)	Commercial/ Industrial Land Use Only (mg/kg)	Groundwater (µg/L)	Commercial/ Industrial Land Use Only (mg/kg)	Groundwater (µg/L)	Commercial/ Industrial Land Use Only (mg/kg)	Groundwater (µg/L)	Industrial Soil (mg/kg)
Benzene	0.044	1	0.044	1	0.27	46	2	46	5.6
Toluene	2.9	40	2.9	40	9.3	130	9.3	130	930 ^a
Ethylbenzene	3.3	30	3.3	30	4.7	43	4.7	43	29
Xylenes	2.3	20	2.3	20	11	100	11	100	300 ^a
MTBE	0.023	5	0.023	5	8.4	1,800	8.4	1,800	190
Naphthalene	2.8	17	3.4	17	2.8	24	4.8	24	20
TPH (gasoline)	83	100	83	100	180	210	180	210	500 ^b
TPH (middle distillates)	83	100	83	100	180	210	180	210	500 ^b
TPH (residual fuels)	2,500	100	5,000	100	2,500	210	5,000	210	2,500 ^b
Cadmium ^c	7.4	0.25	39	0.25	7.4	0.25	39	0.25	800
Chromium ^c	NE	50	5,000	50	NE	180	5,000	180	1,400
Lead ^c	750	2.5	750	2.5	750	2.5	750	2.5	800
Nickel ^c	150	8.2	260	8.2	150	8.2	260	8.2	20,000
Zinc ^c	600	81	5,000	81	600	81	5,000	81	310,000

Notes:

ESLs are taken from Tables A through D of the Interim Final Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater (Water Board 2008). Region 9 PRGs have been harmonized with similar risk-based screening levels used by Regions 3 and 6 into a single table: Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites (EPA 2008).

^a Values for toluene and total xylenes are RSL soil saturation concentrations (Csat), which were determined during a teleconference on August 6, 2009.

^b Since there is not an RSL value for TPH, the Water Board approved the use of the gross contaminant ceiling level for nuisance at industrial/commercial sites (Table H-2, Water Board 2008).

^c Metals criteria based on total for soil and dissolved for groundwater.

Abbreviations and Acronyms:

µg/L – micrograms per liter

ESL – environmental screening level

m bgs – meters below ground surface

mg/kg – milligrams per kilogram

MTBE – methyl tert-butyl ether

NE – not established

PRG – Preliminary Remediation Goal

RSL – Regional Screening Level

TPH – total petroleum hydrocarbons

Water Board – California Regional Water Quality Control Board

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CTO No. 0009

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SUMMARY OF SOIL ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES

Table with columns: Sample ID, Location, Date, Start Depth, End Depth, EPA Method 8015B - TPH (Gasoline Range Organics, Diesel Range Organics, JP-5, Kerosene, Motor Oils), EPA Method 8260B - VOCs (1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloropropane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Benzene, Bromodichloromethane, Bromoform, Bromomethane). Rows include Environmental and Regional Screening Levels, and individual samples from S63-SB (9-111 to 9-590) and Former UST 58 (9-132 to 9-514).

TABLE 3-1

**SUMMARY OF SOIL ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES**

Sample ID	Location	Date	Start Depth	End Depth	EPA Method 8260B - VOCs																			
					Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Ethylbenzene	Methyl tert-butyl ether	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	
Units					µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	
Environmental Screening Level					44	1500	850	1500	6400	190	59	8300	3300	23	77	1500	700	2900	2300	670	59	460	47	
Regional Screening Level					1300	1500000	62000000	1500	510000	10000000	8400	2200	29000	190000	54000	38000000	2700	930000	300000	500000	20000000	14000	1700	
Zook Road Fuel Spill																								
9-018	ZR-SBHP-1	10/15/2009	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-019	ZR-SBHP-1	10/15/2009	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-021	ZR-SBHP-2	10/15/2009	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-022	ZR-SBHP-2	10/15/2009	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-024	ZR-SBHP-3	10/16/2009	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-025	ZR-SBHP-3	10/16/2009	8	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-027	ZR-SBHP-4	10/15/2009	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-028	ZR-SBHP-4	10/15/2009	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-030	ZR-SBHP-5	10/16/2009	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-031	ZR-SBHP-5	10/16/2009	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-033	ZR-SBHP-6	10/15/2009	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-034	ZR-SBHP-6	10/15/2009	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-148	ZR-SBHP-7	3/15/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-149	ZR-SBHP-7	3/15/2010	9.5	10.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-151	ZR-SBHP-8	3/15/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-152	ZR-SBHP-8	3/15/2010	10	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-154	ZR-SBHP-9	3/15/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-155	ZR-SBHP-9	3/15/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-157	ZR-SBHP-10	3/15/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-158	ZR-SBHP-10	3/15/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-160	ZR-SBHP-11	3/16/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-161	ZR-SBHP-11	3/16/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-163	ZR-SBHP-12	3/16/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-164	ZR-SBHP-12	3/16/2010	5.5	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-225	ZR-SBHP-13	3/15/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-226	ZR-SBHP-13	3/15/2010	9	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-228	ZR-SBHP-14	3/15/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-229	ZR-SBHP-14	3/15/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-231	ZR-SBHP-15	3/16/2010	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-232	ZR-SBHP-15	3/16/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-233	ZR-SBHP-15	3/16/2010	9.5	10.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-500	ZR-Bottom1	11/18/2010	9.5	9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-501	ZR-Bottom2	11/18/2010	9	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-504	ZR-ESW	11/18/2010	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-505 (FD)	ZR-NSW	11/18/2010	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-506	ZR-NSW	11/18/2010	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-502	ZR-SSW	11/18/2010	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-503	ZR-WSW	11/18/2010	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-508	WZR-5	12/1/2010	6.5	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-507	WZR-6	12/1/2010	8.5	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-510	WZR-7	12/2/2010	5	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-509	WZR-8	12/2/2010	7.5	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Former Sump 63																								
9-103	S63-SB-1	10/19/2009	4	4.5	6.0 U	6.0 U	6.0 U	6.0 U	12 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
9-104	S63-SB-2	10/19/2009	4	4.5	6.1 U	14 J	6.1 U	6.1 U	12 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	10 J	1.4 J	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
9-105	S63-SB-3	10/19/2009	3.5	4	6.1 U	6.1 U	6.1 U	6.1 U	12 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
9-106	S63-SB-4	10/19/2009	3.5	4	6.0 U	6.0 U	6.0 U	6.0 U	12 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	2.2 J	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
9-107	S63-SB-5	10/19/2009	4.5	5	6.1 UJ	260 J	6.1 UJ	6.1 UJ	12 UJ	6.1 UJ	6.1 UJ	6.1 UJ	15 J	6.1 UJ	6.1 UJ	6.1 UJ	6.1 UJ	4.5 J	110 J	6.1 UJ	6.1 UJ	6.1 UJ	6.1 UJ	6.1 UJ
9-108	S63-SB-6	10/19/2009	4.5	5	6.2 UJ	4.5 J	6.2 UJ	6.2 UJ	12 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	1.4 J	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ	6.2 UJ
9-109	S63-SB-7	10/19/2009	4	4.5	6.1 U	6.1 U	6.1 U	6.1 U	12 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U	6.1 U
9-110	S63-SB-8	10/19/2009	4	4.5	6.2 U	6.2 U	6.2 U	6.2 U	12 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U

TABLE 3-1

**SUMMARY OF SOIL ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES**

Sample ID	Location	Date	Start Depth	End Depth	EPA Method 8270C-SIM - PAHs															EPA Method 6010B - Metals					
					Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Cadmium	Chromium	Lead	Nickel	Zinc
					μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	μg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Environmental Screening Level					16000	13000	2800	1300	130	1300	27000	1300	23000	210	40000	8900	2100	2800	11000	85000	7.40	NE	750	150	600
Regional Screening Level					33000000	NE	170000000	2100	210	2100	NE	21000	210000	210	22000000	2100	2100	20000	NE	17000000	800	1400	800	69000	310000
9-111	S63-SB-9	10/19/2009	4	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.26 J	39.1 J	7.5 J	38.4 J	38.4	
9-112	S63-SB-10	10/19/2009	3.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.91 J	42.6 J	33.3 J	36.6 J	42.9	
9-113	S63-SB-11	10/19/2009	3.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.082 J	41.1 J	4.2 J	35.9 J	34.8	
9-114	S63-SB-12	10/19/2009	3	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.43 J	55.6 J	5.3 J	41.2 J	42.4	
9-115	S63-SB-13	10/20/2009	3	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	61.9 J	8.0 J	59.4 J	48.0 J	
9-116	S63-SB-14	10/20/2009	4	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	58.5 J	13.0 J	55.8 J	47.7 J	
9-117	S63-SB-15	10/20/2009	4.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	67.6 J	6.6 J	63.1 J	50.6 J	
9-118	S63-SB-16	10/20/2009	4.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	49.9 J	9.1 J	48.7 J	42.1 J	
9-119	S63-SB-17	10/20/2009	4	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	61.9 J	6.2 J	57.0 J	45.8 J	
9-120	S63-SB-18	10/20/2009	4	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	71.1 J	6.5 J	71.1 J	55.1 J	
9-193	S63-SBHP-1	3/11/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-196	S63-SBHP-2	3/10/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-199	S63-SBHP-3	3/11/2010	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-527	S63-SBHP-4	12/20/2010	5	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-524	S63-SBHP-5	12/20/2010	6	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-525	S63-SBHP-5	12/20/2010	8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-522	S63-SBHP-6	12/20/2010	4.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-564	S63-SBHP-7	10/4/2011	4.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-565	S63-SBHP-7	10/4/2011	8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-568	S63-SBHP-8	10/4/2011	4.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-567	S63-SBHP-8	10/4/2011	8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-570	S63-SBHP-9	10/4/2011	4.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-571	S63-SBHP-9	10/4/2011	8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-574	S63-SBHP-10	10/4/2011	6	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-575	S63-SBHP-10	10/4/2011	8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-577	S63-SBHP-11	10/4/2011	5	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-578	S63-SBHP-11	10/4/2011	8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-580	S63-SBHP-12	10/4/2011	5	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-581	S63-SBHP-12	10/4/2011	8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-583	S63-SBHP-13	10/5/2011	5.5	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-584	S63-SBHP-13	10/5/2011	8	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-586	S63-SBHP-14	10/5/2011	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-587	S63-SBHP-14	10/5/2011	8	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-589	S63-SBHP-15	10/5/2011	6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-590	S63-SBHP-15	10/5/2011	8	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Former UST 58																									
9-132	UST58-SB-1	10/21/2009	2.5	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	33.3 J	4.9 J	41.7 J	59.2 J	
9-133	UST58-SB-2	10/21/2009	3	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7 UJ	78.9 J	15.5 J	97.5 J	73.6 J	
9-134	UST58-SB-3	10/21/2009	2.5	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	64.7 J	14.7 J	75.1 J	62.7 J	
9-135	UST58-SB-4	10/21/2009	3.5	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	52.3 J	3.5 J	46.9 J	67.7 J	
9-147	UST58-SB-5	10/21/2009	3	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	62.8 J	7.9 J	105 J	56.6 J	
9-136	UST58-SBHP-1	10/15/2009	14	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 U	37.4 J	5.9 J	41.5 J	47.5	
9-138	UST58-SBHP-2	10/9/2009	14	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	33.2 J	5.0 J	42.3 J	42.6 J	
9-140	UST58-SBHP-3	10/9/2009	14	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6 UJ	38.8 J	6.8 J	57.1 J	56.6 J	
9-142	UST58-SBHP-4	10/9/2009	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7 UJ	58.3 J	8.7 J	69.6 J	62.3 J	
9-203	UST58-SBHP-5	3/11/2010	9	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21 UJ	44.7 J	6.5 J	50.7 J	46.1 J	
9-205	UST58-SBHP-6	3/11/2010	9	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17 UJ	45.5 J	5.1 J	45.7 J	40.7 J	
9-207	UST58-SBHP-7	3/11/2010	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.095 UJ	72.2 J	8.6 J	77.9 J	66.0 J	
9-209	UST58-SBHP-8	3/12/2010	7	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.17 U	45.7	4.6	50.7	36.8	
9-511	W58-2	12/3/2010	7	8	93	35	43	7.5	4.6 J	7.1	16	2.6 J	7.8	9.9	10	140	12	230	180	19	NA	NA	NA	NA	
9-512	W58-3	12/3/2010	9	10	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	2.5 J	6.0 U	NA	NA	NA	
9-513	W58-4	12/16/2010	4	6	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	2.8 J	6.4 U	NA	NA	NA	
9-514	W58-5	12/16/2010	4	6	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	6.4 U	3.0 J	6.4 U	NA	NA	NA	

**SUMMARY OF SOIL ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES**

Notes:

Analytical results bolded indicate concentrations exceeding the Environmental Screening Level.

Analytical results shaded and bold indicate concentrations exceeding the Regional Screening Level.

^a The results for this sample are reported as wet weight instead of dry weight since percent moisture analysis could not be performed due to insufficient sample volume.

^b The analyst has noted that the chromatogram of this sample includes a wide range of hydrocarbons which does not match the gasoline/diesel standard.

^c The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

^d The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Abbreviations and Acronyms:

µg/kg – micrograms per kilogram

EPA – U.S. Environmental Protection Agency

FD – field duplicate

J – estimated value

JP-5 – jet propellant grade 5

mg/kg – milligrams per kilogram

NA – not analyzed

NE – not established

PAH – polynuclear aromatic hydrocarbon

R – rejected

TPH – total petroleum hydrocarbons

U – analyte not detected above the project reporting limit

UJ – analyte not detected above the estimated reporting limit

UST – underground storage tank

VOC – volatile organic compound

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TABLE 3-2

**SUMMARY OF WATER ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES**

Sample ID	Location	Date	Start Depth	End Depth	EPA Method 8260B - VOCs																	8270C-SIM - PAHs		
					Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Ethylbenzene	Methyl tert-butyl ether	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Acenaphthene	Acenaphthylene
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Environmental Screening Level					25	12	70	41	6	0.5	100	30	5	5	10	5	40	20	10	0.5	5	0.5	20	30
Zook Road Fuel Spill																								
9-020	ZR-SBHP-1	10/15/2009	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U	
9-023	ZR-SBHP-2	10/15/2009	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U	
9-026	ZR-SBHP-3	10/16/2009	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U	
9-029	ZR-SBHP-4	10/15/2009	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U	
9-032	ZR-SBHP-5	10/16/2009	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U	
9-035	ZR-SBHP-6	10/15/2009	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U	
9-150	ZR-SBHP-7	3/15/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-219 (FD)	ZR-SBHP-7	3/15/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-153	ZR-SBHP-8	3/15/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-156	ZR-SBHP-9	3/15/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-159	ZR-SBHP-10	3/15/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-162	ZR-SBHP-11	3/16/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.06 U	0.06 U	
9-165	ZR-SBHP-12	3/16/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.06 U	0.06 U	
9-227	ZR-SBHP-13	3/15/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.06 U	0.06 U	
9-230	ZR-SBHP-14	3/15/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.06 U	0.06 U	
9-234	ZR-SBHP-15	3/16/2010	2	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.06 U	0.06 U	
9-531	WZR-4	1/26/2011	4.9	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-542	WZR-4	4/13/2011	4.9	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-553	WZR-4	7/26/2011	4.9	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-595	WZR-4	10/19/2011	4.9	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-532	WZR-5	1/26/2011	4	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-543	WZR-5	4/13/2011	4	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-554	WZR-5	7/26/2011	4	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-596	WZR-5	10/19/2011	4	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-533	WZR-6	1/26/2011	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-544	WZR-6	4/13/2011	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-555	WZR-6	7/27/2011	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-597	WZR-6	10/19/2011	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-534	WZR-7	1/18/2011	4	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-545	WZR-7	4/14/2011	4	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-556	WZR-7	7/27/2011	4	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-598	WZR-7	10/19/2011	4	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-535	WZR-8	1/18/2011	4.6	9.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-546	WZR-8	4/14/2011	4.6	9.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-557	WZR-8	7/27/2011	4.6	9.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-599	WZR-8	10/19/2011	4.6	9.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Former Sump 63																								
9-194	S63-SBHP-1	3/11/2010	3	8	0.21 U	0.21 U	0.07 U	0.31 U	0.16 U	0.15 U	0.19 U	0.23 U	0.19 U	0.3 U	0.25 U	0.15 U	0.17 U	0.19 U	0.19 U	0.18 U	0.16 U	0.23 U	NA	NA
9-197	S63-SBHP-2	3/10/2010	2	12	0.21 U	0.21 U	0.07 U	0.31 U	0.16 U	0.15 U	0.19 U	0.23 U	0.19 U	0.3 U	0.25 U	0.15 U	0.17 U	0.19 U	0.19 U	0.18 U	0.16 U	0.23 U	NA	NA
9-200	S63-SBHP-3	3/11/2010	3	8	0.21 U	0.21 U	0.07 U	0.31 U	0.16 U	0.15 U	0.19 U	0.23 U	0.19 U	0.3 U	0.25 U	0.15 U	0.17 U	0.19 U	0.19 U	0.18 U	0.16 U	0.23 U	NA	NA
9-528	S63-SBHP-4	12/20/2010	7	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-526	S63-SBHP-5	12/20/2010	7	12	3.9 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-523	S63-SBHP-6	12/20/2010	7	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-566	S63-SBHP-7	10/4/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-569	S63-SBHP-8	10/4/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-572	S63-SBHP-9	10/4/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-573 (FD)	S63-SBHP-9	10/4/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-576	S63-SBHP-10	10/4/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-579	S63-SBHP-11	10/4/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-582	S63-SBHP-12	10/4/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-585	S63-SBHP-13	10/5/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA
9-588	S63-SBHP-14	10/5/2011	9	12	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA

TABLE 3-2

**SUMMARY OF WATER ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES**

Sample ID	Location	Date	Start Depth	End Depth	EPA Method 8260B - VOCs																	8270C-SIM - PAHs			
					Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Ethylbenzene	Methyl tert-butyl ether	Methylene chloride	Styrene	Tetrachloroethene	Toluene	Total Xylenes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Acenaphthene	Acenaphthylene	
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Environmental Screening Level					25	12	70	41	6	0.5	100	30	5	5	10	5	40	20	10	0.5	5	0.5	20	30	
9-591	S63-SBHP-15	10/5/2011	9	12	0.42 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	
9-592	S63-SBHP-16	10/5/2011	9	12	0.24 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	
Former UST 58																									
9-137	UST58-SBHP-1	10/15/2009	8	16	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-139	UST58-SBHP-2	10/9/2009	11	16	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-141	UST58-SBHP-3	10/9/2009	10	20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-143	UST58-SBHP-4	10/13/2009	6	16	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-204	UST58-SBHP-5	3/11/2010	6	16	0.21 U	0.21 U	0.07 U	0.31 U	0.16 U	0.15 U	0.19 U	0.23 U	0.19 U	0.3 U	0.25 U	0.15 U	0.17 U	0.19 U	0.19 U	0.18 U	0.16 U	0.23 U	NA	NA	
9-206	UST58-SBHP-6	3/11/2010	6	16	0.21 U	0.21 U	0.07 U	0.31 U	0.16 U	0.15 U	0.19 U	0.23 U	0.19 U	0.3 U	0.25 U	0.15 U	0.17 U	0.19 U	0.19 U	0.18 U	0.16 U	0.23 U	NA	NA	
9-208	UST58-SBHP-7	3/11/2010	6	16	0.21 U	0.21 U	0.07 U	0.31 U	0.16 U	0.15 U	0.19 U	0.23 U	0.19 U	0.3 U	0.25 U	0.15 U	0.17 U	0.19 U	0.19 U	0.18 U	0.16 U	0.23 U	NA	NA	
9-210	UST58-SBHP-8	3/12/2010	6	16	0.21 U	0.21 U	0.07 U	0.31 U	0.92 J	0.15 U	0.19 U	0.23 U	0.19 U	0.3 U	0.25 U	0.15 U	0.17 U	0.19 U	0.19 U	0.18 U	0.71 J	0.23 U	NA	NA	
9-144	W58-1	9/17/2009	12	17	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-536	W58-1	1/20/2011	12	17	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-537 (FD)	W58-1	1/20/2011	12	17	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-547	W58-1	4/12/2011	12	17	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-558	W58-1	7/27/2011	12	17	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-600	W58-1	10/20/2011	12	17	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-538	W58-2	1/20/2011	8	11	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.17 J	0.2 U
9-548	W58-2	4/13/2011	8	11	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-548A	W58-2	4/14/2011	8	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 J	0.2 U	
9-549 (FD)	W58-2	4/13/2011	8	11	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-559	W58-2	7/27/2011	8	11	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	NA	NA
9-559B	W58-2	7/27/2011	8	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9-601	W58-2	10/20/2011	8	11	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-539	W58-3	1/25/2011	6.5	11.5	5.0 U	5.0 U	0.20 J	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-550	W58-3	4/12/2011	6.5	11.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-560	W58-3	7/28/2011	6.5	11.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-561 (FD)	W58-3	7/28/2011	6.5	11.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-602	W58-3	10/20/2011	6.5	11.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-540	W58-4	1/19/2011	7.7	12.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-551	W58-4	4/13/2011	7.7	12.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-562	W58-4	7/28/2011	7.7	12.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-603	W58-4	10/20/2011	7.7	12.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-604 (FD)	W58-4	10/20/2011	7.7	12.7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-541	W58-5	1/25/2011	7.5	12.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-552	W58-5	4/12/2011	7.5	12.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-563	W58-5	7/28/2011	7.5	12.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U
9-605	W58-5	10/20/2011	7.5	12.5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.2 U	0.2 U

TABLE 3-2

SUMMARY OF WATER ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES

Table with columns: Sample ID, Location, Date, Start Depth, End Depth, Units, Environmental Screening Level, 8270C-SIM - PAHs (Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene), EPA Method 300.0 (Nitrate, Sulfate), EPA Method 6020 - Dissolved Metals (Cadmium, Chromium, Lead, Nickel, Zinc), and RSK - 175 (Methane). Rows include data for Zook Road Fuel Spill and Former Sump 63.

**SUMMARY OF WATER ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES**

Sample ID	Location	Date	Start Depth	End Depth	8270C-SIM - PAHs												EPA Method 300.0		EPA Method 6020 - Dissolved Metals					RSK - 175			
					Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Nitrate	Sulfate	Cadmium	Chromium	Lead	Nickel	Zinc	Methane	
Units					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
Environmental Screening Level					0.73	0.03	0.01	0.03	0.10	0.029	0.35	0.0048	8	3.90	0.048	17	4.60	2	NE	NE	0.25	50	2.50	8.20	81	2.10	
9-591	S63-SBHP-15	10/5/2011	9	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
9-592	S63-SBHP-16	10/5/2011	9	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Former UST 58																											
9-137	UST58-SBHP-1	10/15/2009	8	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.31	0.54	4.1	3.4	15.7 J	NA		
9-139	UST58-SBHP-2	10/9/2009	11	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400.0 U	2750000	0.31	0.54 U	0.90	25.8	20.3	NA	
9-141	UST58-SBHP-3	10/9/2009	10	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1150	559000	0.2 U	1.0	0.17 J	4.0	5.8 J	NA	
9-143	UST58-SBHP-4	10/13/2009	6	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.070 U	0.94	0.53	5.1	5.9 J	NA	
9-204	UST58-SBHP-5	3/11/2010	6	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.21 J	0.11 U	4.9	4.6 J	NA	
9-206	UST58-SBHP-6	3/11/2010	6	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02 U	0.16 J	0.11 U	1.2	6.9 J	NA	
9-208	UST58-SBHP-7	3/11/2010	6	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.061 J	0.32 J	0.11 U	4.6	7.5 J	NA	
9-210	UST58-SBHP-8	3/12/2010	6	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.063 J	0.61	0.15 J	6.7	27.4	NA	
9-144	W58-1	9/17/2009	12	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.0 UJ	909000	0.2 U	0.49 J	0.2 U	4.8	10.2 U	NA	
9-536	W58-1	1/20/2011	12	17	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-537 (FD)	W58-1	1/20/2011	12	17	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-547	W58-1	4/12/2011	12	17	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-558	W58-1	7/27/2011	12	17	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	14	
9-600	W58-1	10/20/2011	12	17	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	13	
9-538	W58-2	1/20/2011	8	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.31	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	
9-548	W58-2	4/13/2011	8	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-548A	W58-2	4/14/2011	8	11	0.2 U	0.2 U	0.2 U	0.089 J	0.2 U	0.2 U	0.070 J	0.2 U	0.081 J	0.2 U	0.2 U	0.094 J	0.2 U	0.096 J	NA	NA	NA	NA	NA	NA	NA	NA	
9-549 (FD)	W58-2	4/13/2011	8	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-559	W58-2	7/27/2011	8	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	
9-559B	W58-2	7/27/2011	8	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
9-601	W58-2	10/20/2011	8	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.081 J	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	410	
9-539	W58-3	1/25/2011	6.5	11.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-550	W58-3	4/12/2011	6.5	11.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-560	W58-3	7/28/2011	6.5	11.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	0.875	
9-561 (FD)	W58-3	7/28/2011	6.5	11.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-602	W58-3	10/20/2011	6.5	11.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	2.4	
9-540	W58-4	1/19/2011	7.7	12.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-551	W58-4	4/13/2011	7.7	12.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-562	W58-4	7/28/2011	7.7	12.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	0.65 J	
9-603	W58-4	10/20/2011	7.7	12.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-604 (FD)	W58-4	10/20/2011	7.7	12.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-541	W58-5	1/25/2011	7.5	12.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.071 J	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	
9-552	W58-5	4/12/2011	7.5	12.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	
9-563	W58-5	7/28/2011	7.5	12.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	300	
9-605	W58-5	10/20/2011	7.5	12.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	420	

**SUMMARY OF WATER ANALYTICAL RESULTS
MOFFETT FIELD, CALIFORNIA
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES**

Notes:

Analytical results bolded indicate concentrations exceeding the Environmental Screening Level.

^a The analyst has noted that the chromatogram of this sample is mainly a dominant peak(s) which is not indicative of

^b The analyst has noted that the chromatogram of this sample includes a wide range of hydrocarbons which does not

^c The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

^d The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Abbreviations and Acronyms:

µg/L – micrograms per liter

EPA – U.S. Environmental Protection Agency

FD – field duplicate

J – estimated value

JP-5 – jet propellant grade 5

NA – not analyzed

NE – not established

PAH – polynuclear aromatic hydrocarbon

TPH – total petroleum hydrocarbons

U – analyte not detected above the project reporting limit

UJ – analyte not detected above the estimated reporting limit

UST – underground storage tank

VOC – volatile organic compound

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TABLE 3-3
MONITORING WELL CONSTRUCTION DETAILS
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION
FOR MOFFETT PETROLEUM SITES

Location	Northing	Easting	Surface Elevation (feet msl)	ToC Elevation (feet msl)	Well Diameter (inches)	Screen Interval Depth (feet bgs)
Zook Road Fuel Spill						
WZR-4	1978228.13	6110292.55	11.41	11.00	2.0	4.9 – 9.9
WZR-5	1978311.08	6110286.20	10.29	9.68	2.0	4.0 – 9.0
WZR-6	1978358.51	6110282.75	10.01	9.46	2.0	5.0 – 10.0
WZR-7	1978348.76	6110204.67	10.25	9.58	2.0	4.0 – 7.5
WZR-8	1978297.65	6110163.24	11.28	10.77	2.0	4.6 – 9.6
UST 58						
W58-1	1973891.80	6111064.09	33.75	33.59	2.0	12 – 17
W58-2	1973899.11	6111081.54	33.79	33.19	2.0	8.0 – 11.0
W58-3	1973932.88	6111062.15	34.10	33.69	2.0	6.5 – 11.5
W58-4	1973924.46	6111111.07	34.00	33.82	2.0	7.7 – 12.7
W58-5	1973898.00	6111124.33	33.93	33.34	2.0	7.5 – 12.5

Abbreviations and Acronyms:

bgs – below ground surface

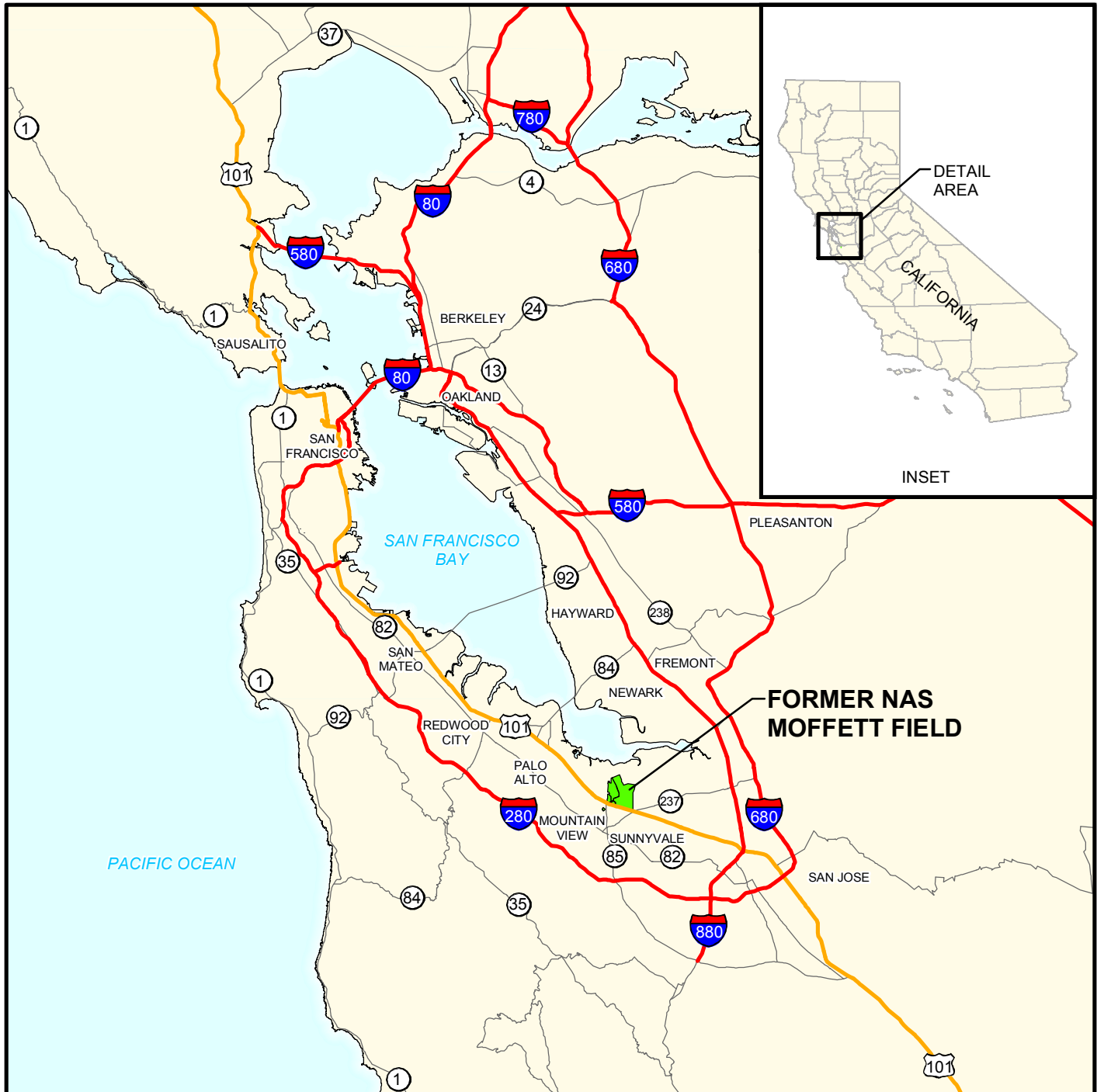
msl – mean sea level

ToC – top of casing

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FIGURES

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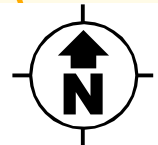
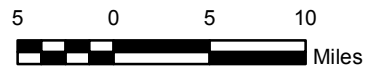


LEGEND

- ① STATE HIGHWAY
- 101 US HIGHWAY
- 280 INTERSTATE HIGHWAY
- FORMER NAS MOFFETT FIELD
- WATER

NOTES:

NAS - NAVAL AIR STATION



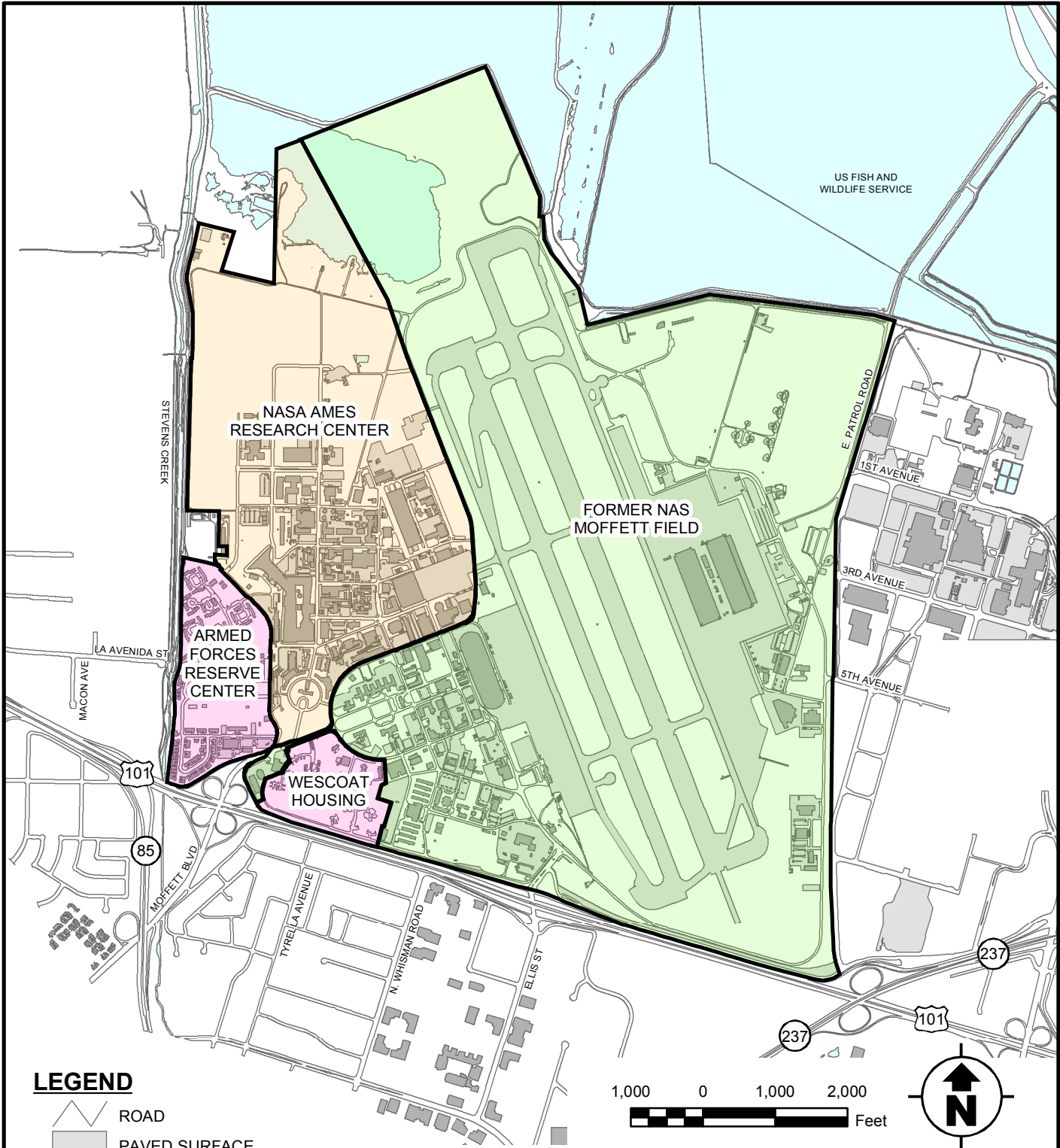
**BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE WEST
SAN DIEGO, CALIFORNIA**

COMPLETION REPORT AND REQUEST FOR CLOSURE OR
NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES
FIGURE 1-1








REGIONAL LOCATION MAP
FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA

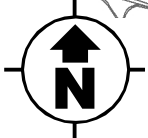
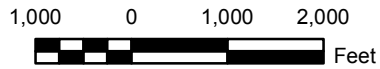
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AUTHOR: MS
FILE NUMBER: 110584R7446.mxd





LEGEND

-  ROAD
-  PAVED SURFACE
-  BUILDING
-  WATER
-  FORMER NAS MOFFETT FIELD (TRANSFERRED TO NASA)
-  NASA AMES RESEARCH CENTER
-  TRANSFERRED TO US ARMY



**BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE WEST
SAN DIEGO, CALIFORNIA**

COMPLETION REPORT AND REQUEST FOR CLOSURE OR
NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES

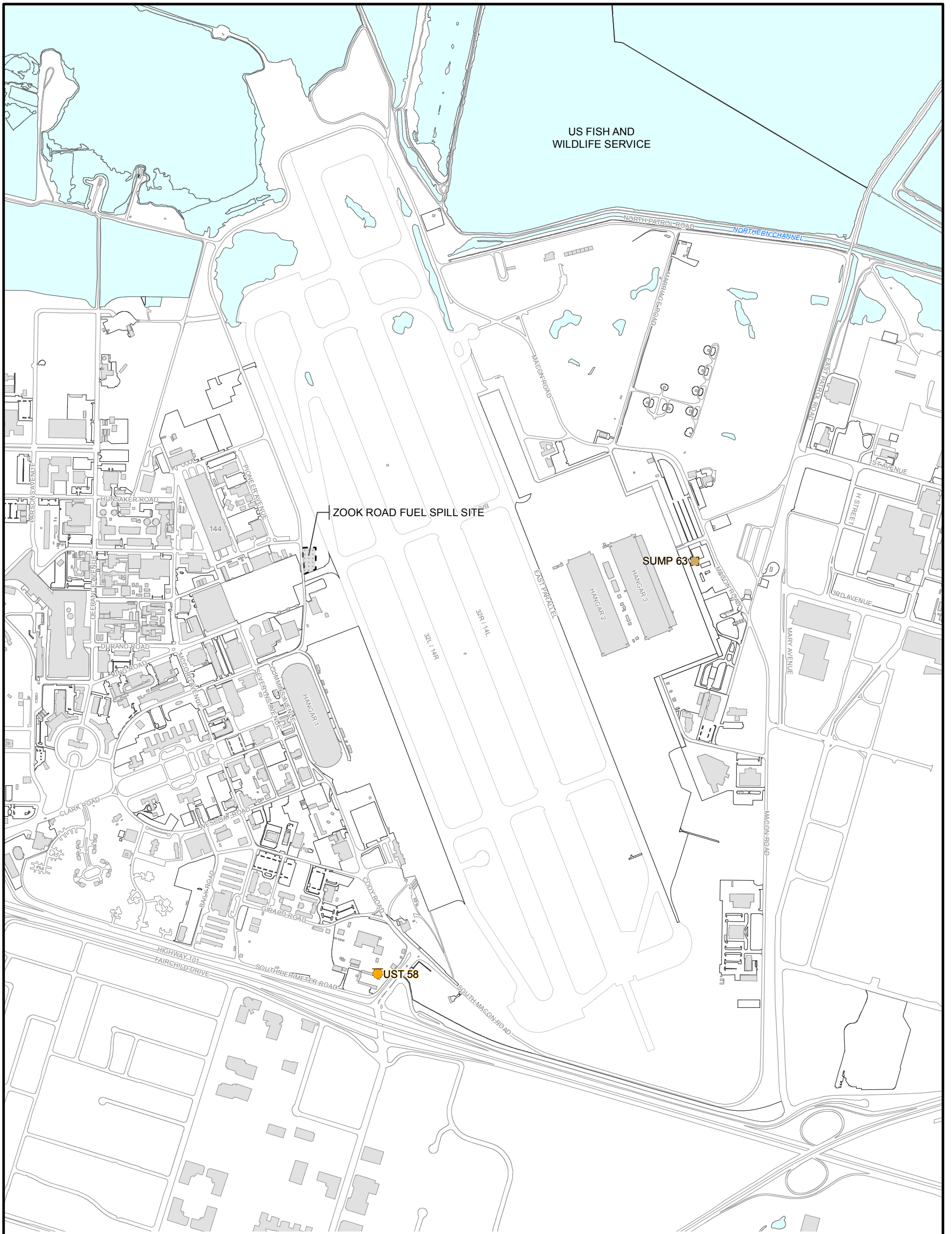
FIGURE 1-2

SITE LOCATION MAP

FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA

REVIEW: 0
AUTHOR: GFG
FILE NUMBER: 110584S7447.mxd

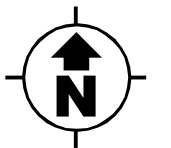
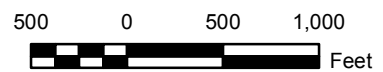




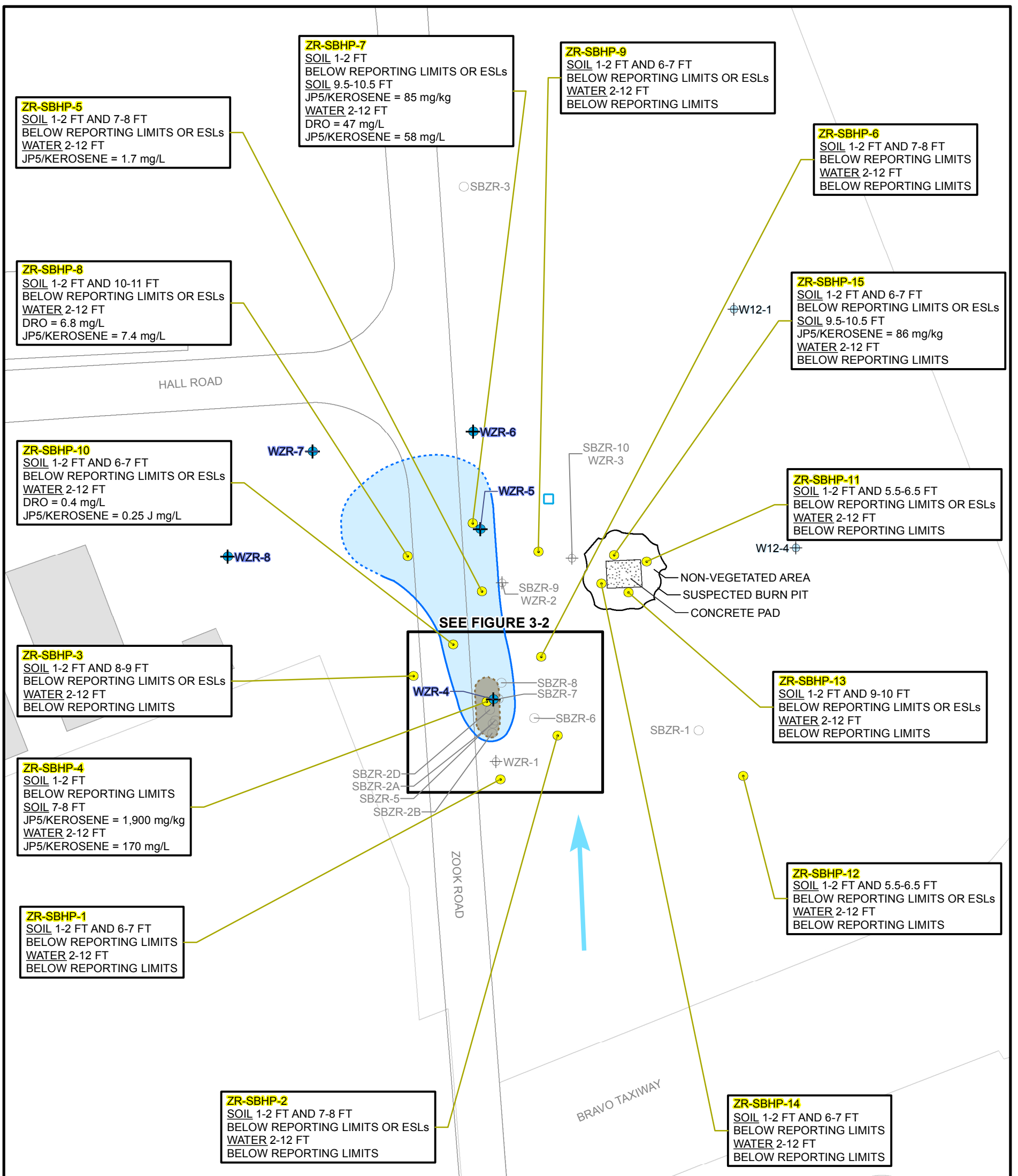
LEGEND

- UST 58 FORMER UST LOCATION
- SUMP 63 FORMER SUMP OR VAULT LOCATION
- ROAD
- RUNWAY
- BUILDING
- WATER

NOTES:
UST - UNDERGROUND STORAGE TANK

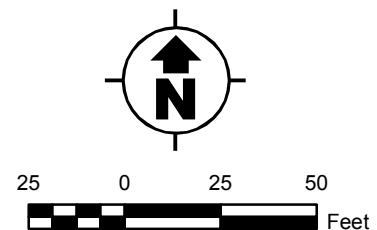


<p>BASE REALIGNMENT AND CLOSURE PROGRAM MANAGEMENT OFFICE WEST SAN DIEGO, CALIFORNIA</p>	
<p>COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES</p>	
<p>FIGURE 1-3</p>	
<p>PETROLEUM SITES FOR CLOSURE REQUEST FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA</p>	
<p>REVIEW: 0 AUTHOR: GFG FILE NUMBER: 110584L7455.mxd</p>	

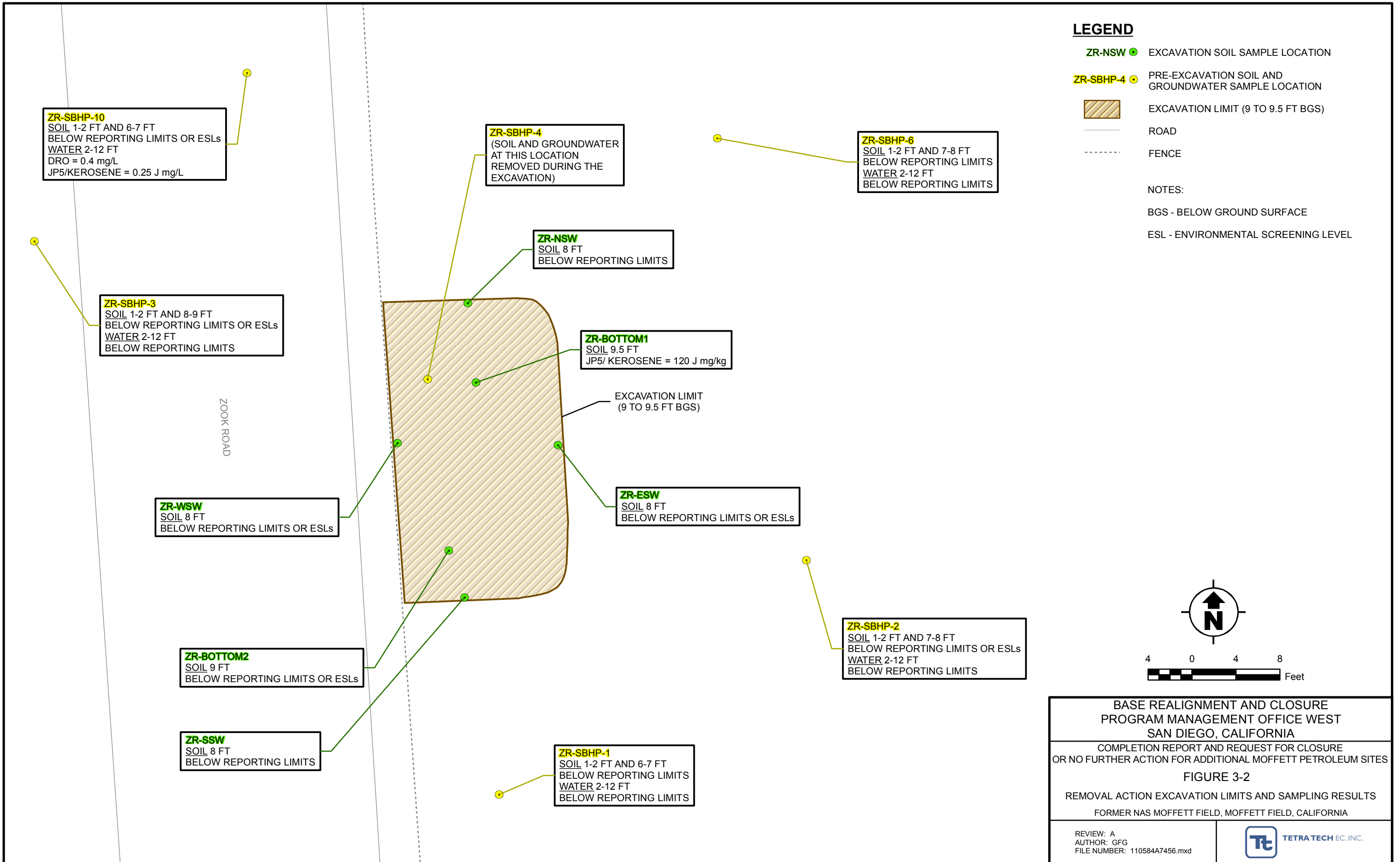


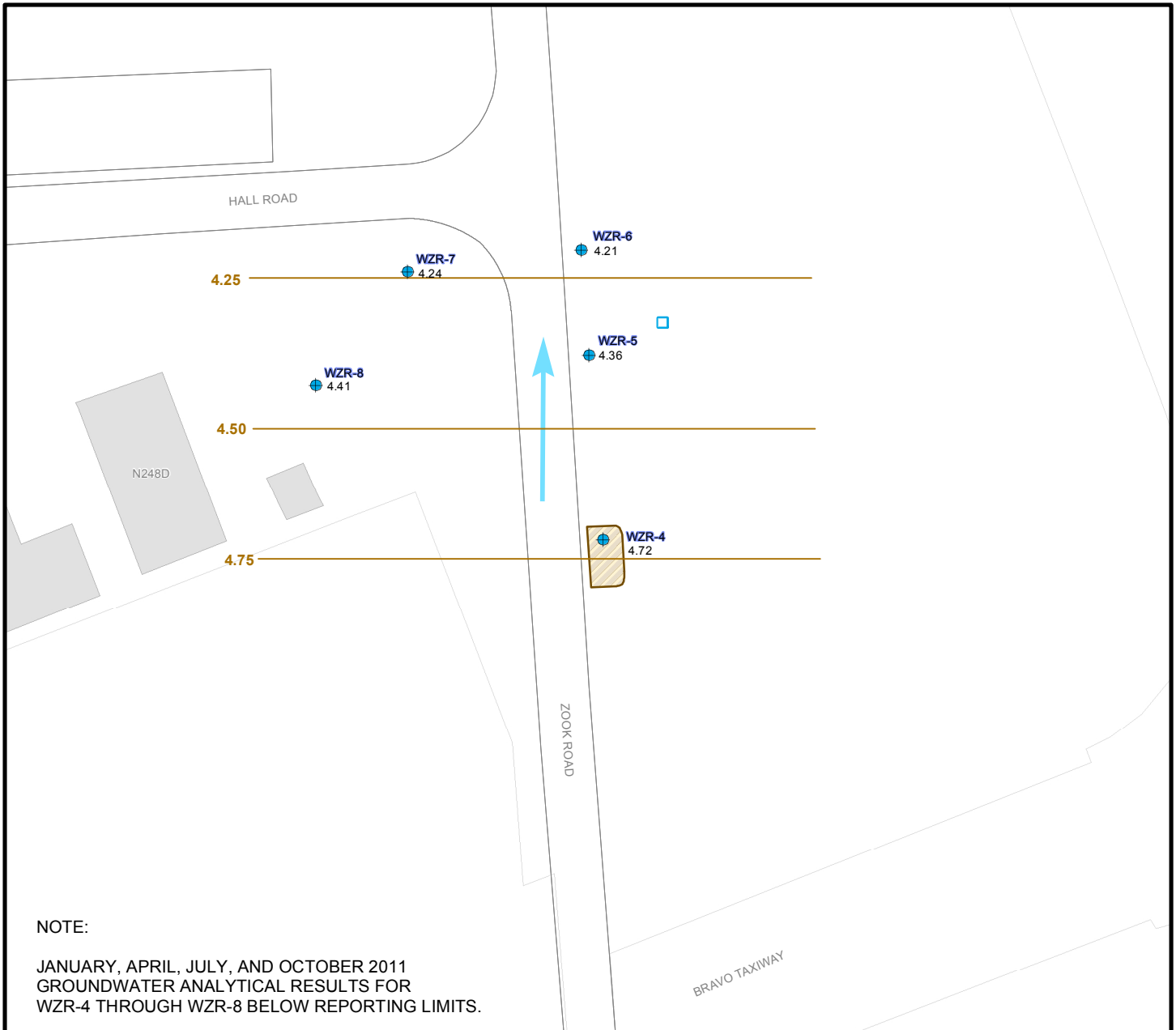
LEGEND

- POSTEXCAVATION GROUNDWATER MONITORING WELL LOCATION
- SOIL AND GROUNDWATER SAMPLE LOCATION
- MONITORING WELL LOCATION
- FORMER MONITORING WELL LOCATION (DESTROYED)
- HISTORICAL SOIL SAMPLE LOCATION
- HISTORICAL SOIL AND GROUNDWATER SAMPLE LOCATION
- STORM DRAIN INLET
- GROUNDWATER FLOW DIRECTION
- ROAD
- RUNWAY/PAVED AREA
- EXTENT OF SOIL CONTAMINATION EXCEEDING RSLs
- EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING ESLs (DASHED WHERE INFERRED) AS DETECTED IN HYDROPUNCH SAMPLES
- BUILDING



BASE REALIGNMENT AND CLOSURE PROGRAM MANAGEMENT OFFICE WEST SAN DIEGO, CALIFORNIA	
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR ADDITIONAL MOFFETT PETROLEUM SITES	
FIGURE 3-1	
ZOOK ROAD FUEL SPILL SITE PRE-EXCAVATION SAMPLING RESULTS	
FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA	
REVIEW: 0 AUTHOR: GFG FILE NUMBER: 110584A7454.mxd	



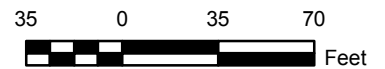
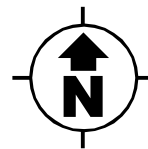


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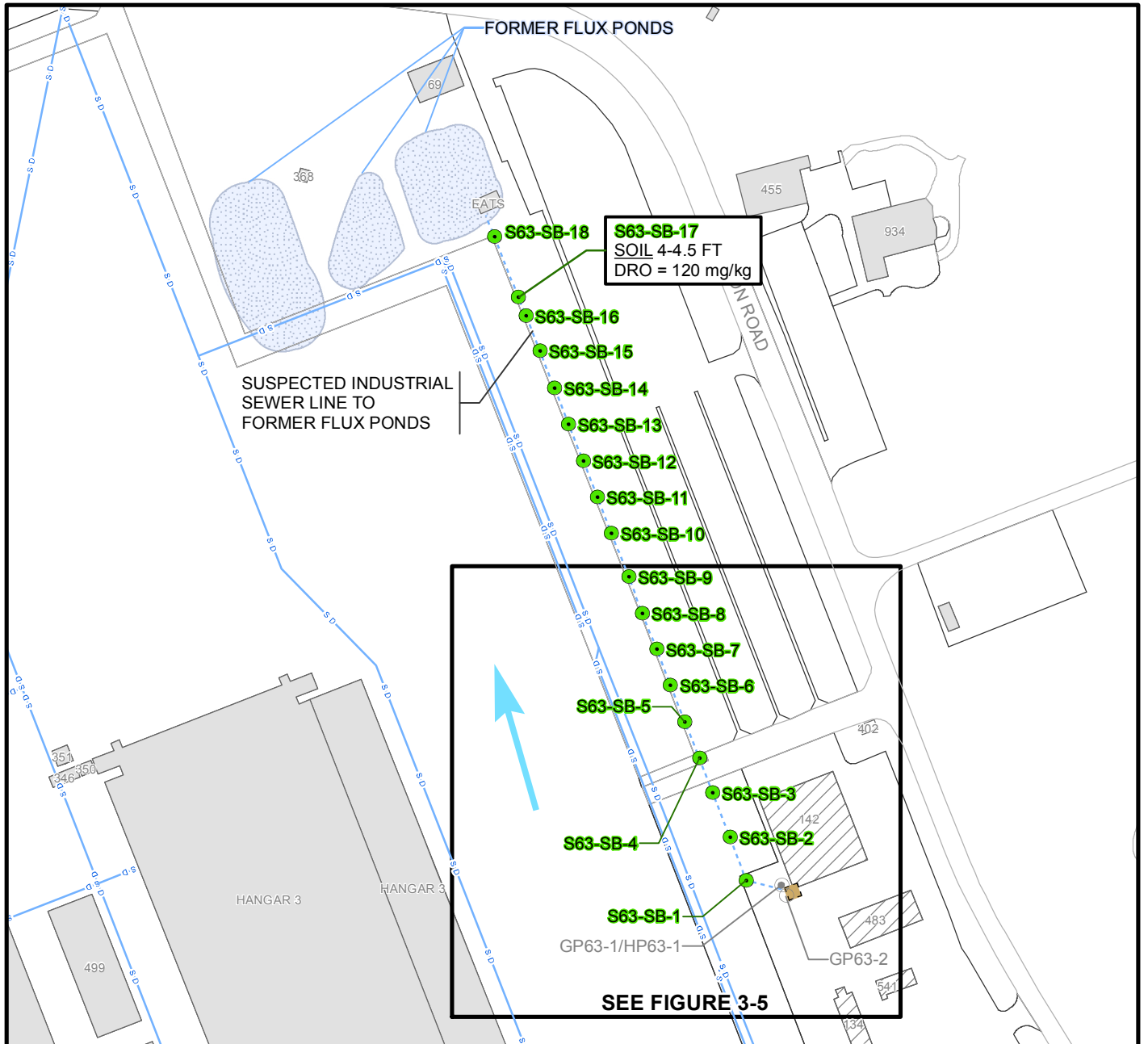
JANUARY, APRIL, JULY, AND OCTOBER 2011
GROUNDWATER ANALYTICAL RESULTS FOR
WZR-4 THROUGH WZR-8 BELOW REPORTING LIMITS.

LEGEND

- POSTEXCAVATION GROUNDWATER MONITORING WELL LOCATION AND GROUNDWATER ELEVATION (ABOVE MSL)
- STORM DRAIN INLET
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- ROAD
- RUNWAY/PAVED AREA
- EXCAVATION LIMIT
- BUILDING
- GROUNDWATER ELEVATION CONTOUR
- MSL - MEAN SEA LEVEL

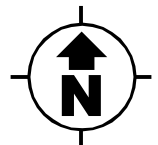
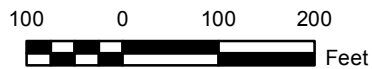


<p>BASE REALIGNMENT AND CLOSURE PROGRAM MANAGEMENT OFFICE WEST SAN DIEGO, CALIFORNIA</p>	
<p>COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR ADDITIONAL MOFFETT PETROLEUM SITES</p>	
<p>FIGURE 3-3</p>	
<p>ZOOK ROAD POTENTIOMETRIC SURFACE MAP UPPER A AQUIFER - JULY 2011 FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA</p>	
<p>REVIEW: 0 AUTHOR: MS FILE NUMBER: 110584A7457.mxd</p>	<p>TETRA TECH EC, INC.</p>

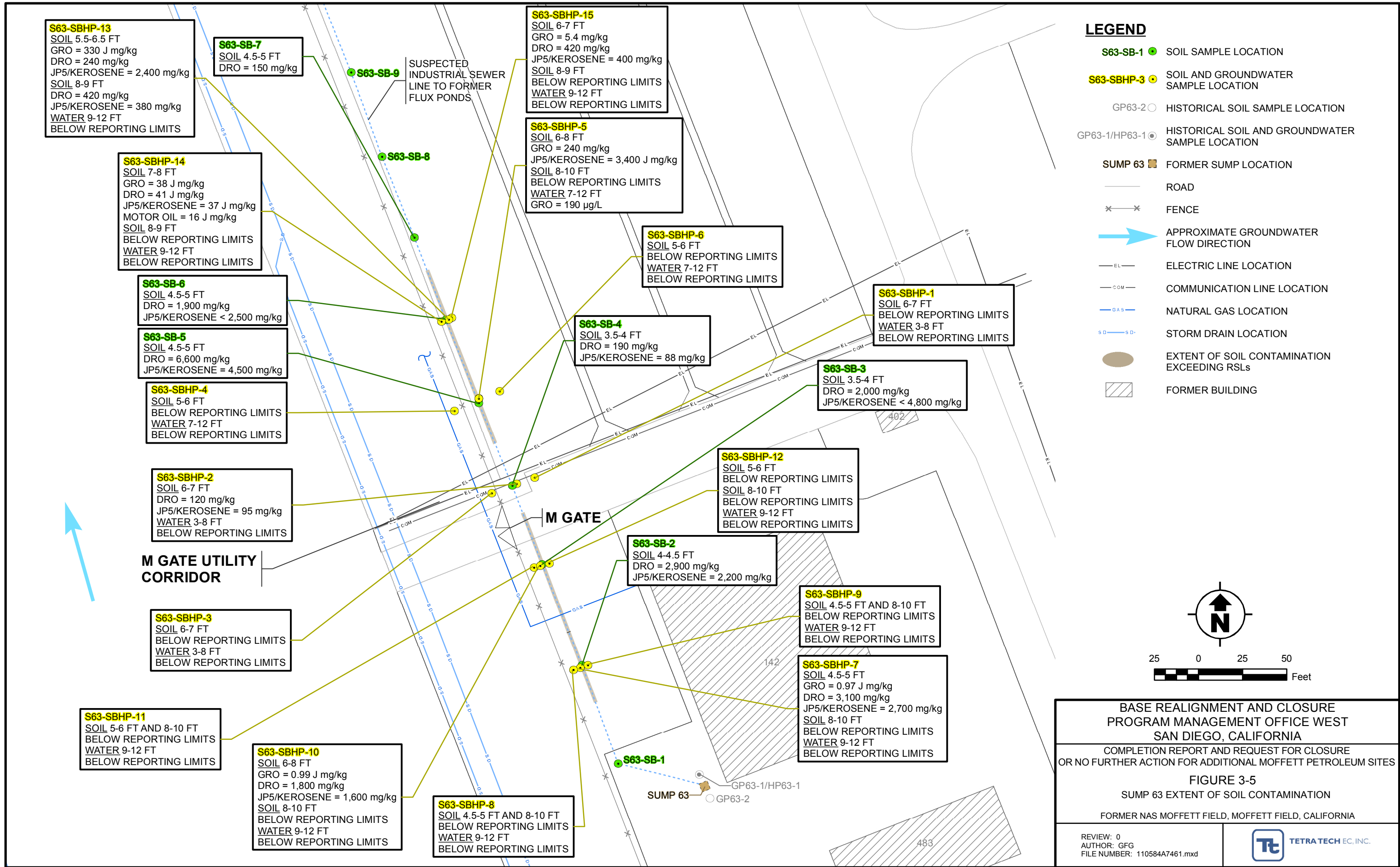


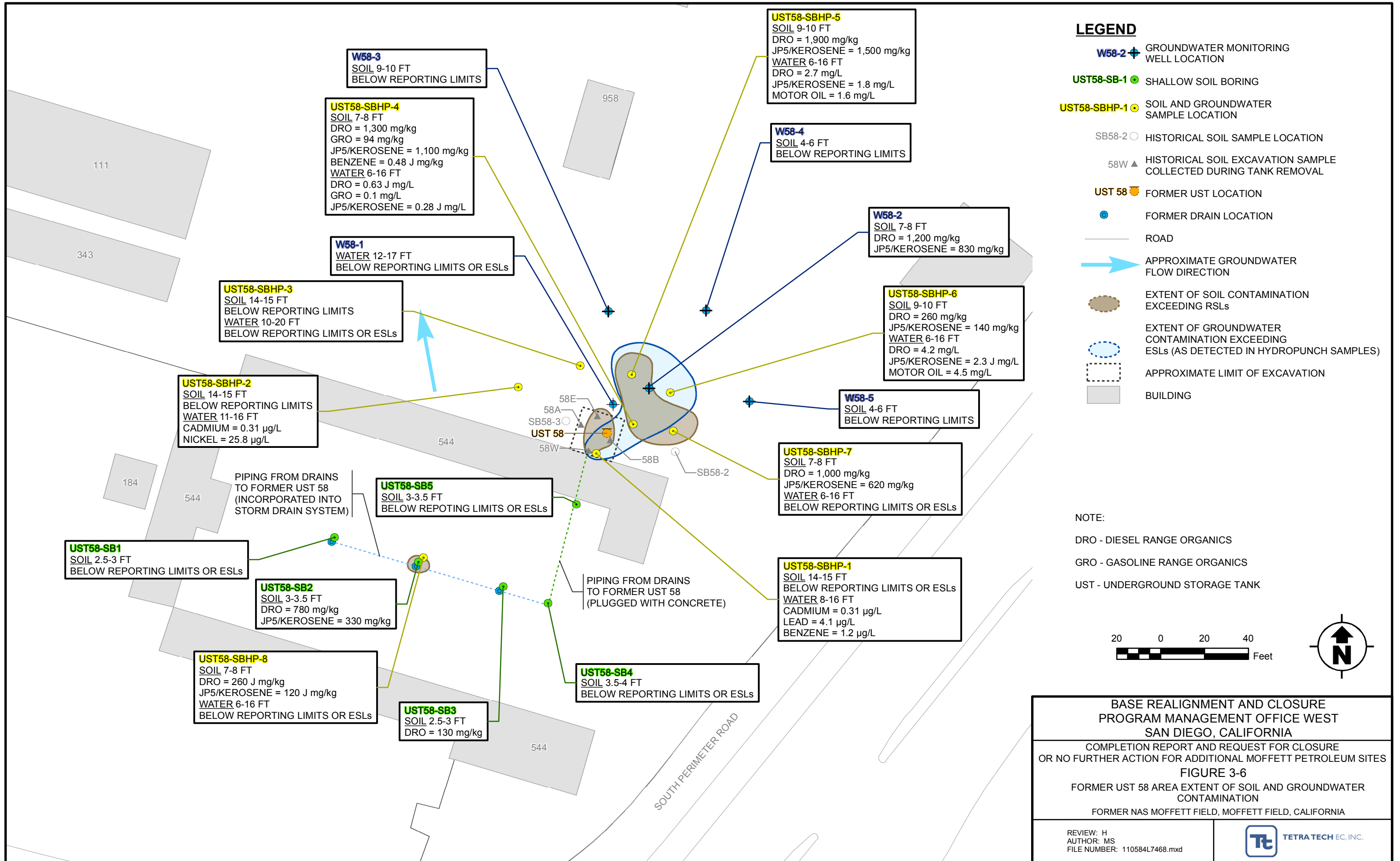
LEGEND

- S63-SB-1** ● SOIL SAMPLE LOCATION
- GP63-2 ○ HISTORICAL SOIL SAMPLE LOCATION
- GP63-1/HP63-1 ● HISTORICAL SOIL AND GROUNDWATER SAMPLE LOCATION
- SUMP 63** ■ FORMER SUMP LOCATION
- ROAD
- ➔ APPROXIMATE GROUNDWATER FLOW DIRECTION
- S.D.—S.D. STORM DRAIN LOCATION
- BUILDING
- ▨ FORMER BUILDING



<p>BASE REALIGNMENT AND CLOSURE PROGRAM MANAGEMENT OFFICE WEST SAN DIEGO, CALIFORNIA</p>	
<p>COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR MOFFETT PETROLEUM SITES</p>	
<p>FIGURE 3-4</p>	
<p>SUMP 63 SAMPLING LOCATIONS FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA</p>	
<p>REVIEW: E AUTHOR: GFG FILE NUMBER: 110584L7453.mxd</p>	<p>TETRA TECH EC, INC.</p>



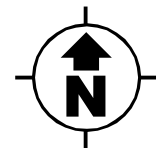
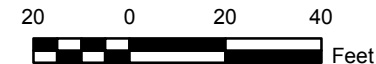


LEGEND

- + W58-2 GROUNDWATER MONITORING WELL LOCATION
- UST58-SB-1 SHALLOW SOIL BORING
- UST58-SBHP-1 SOIL AND GROUNDWATER SAMPLE LOCATION
- SB58-2 HISTORICAL SOIL SAMPLE LOCATION
- ▲ 58W HISTORICAL SOIL EXCAVATION SAMPLE COLLECTED DURING TANK REMOVAL
- UST 58 FORMER UST LOCATION
- FORMER DRAIN LOCATION
- ROAD
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- EXTENT OF SOIL CONTAMINATION EXCEEDING RSLs
- EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING ESLs (AS DETECTED IN HYDROPUNCH SAMPLES)
- APPROXIMATE LIMIT OF EXCAVATION
- BUILDING

NOTE:

- DRO - DIESEL RANGE ORGANICS
- GRO - GASOLINE RANGE ORGANICS
- UST - UNDERGROUND STORAGE TANK

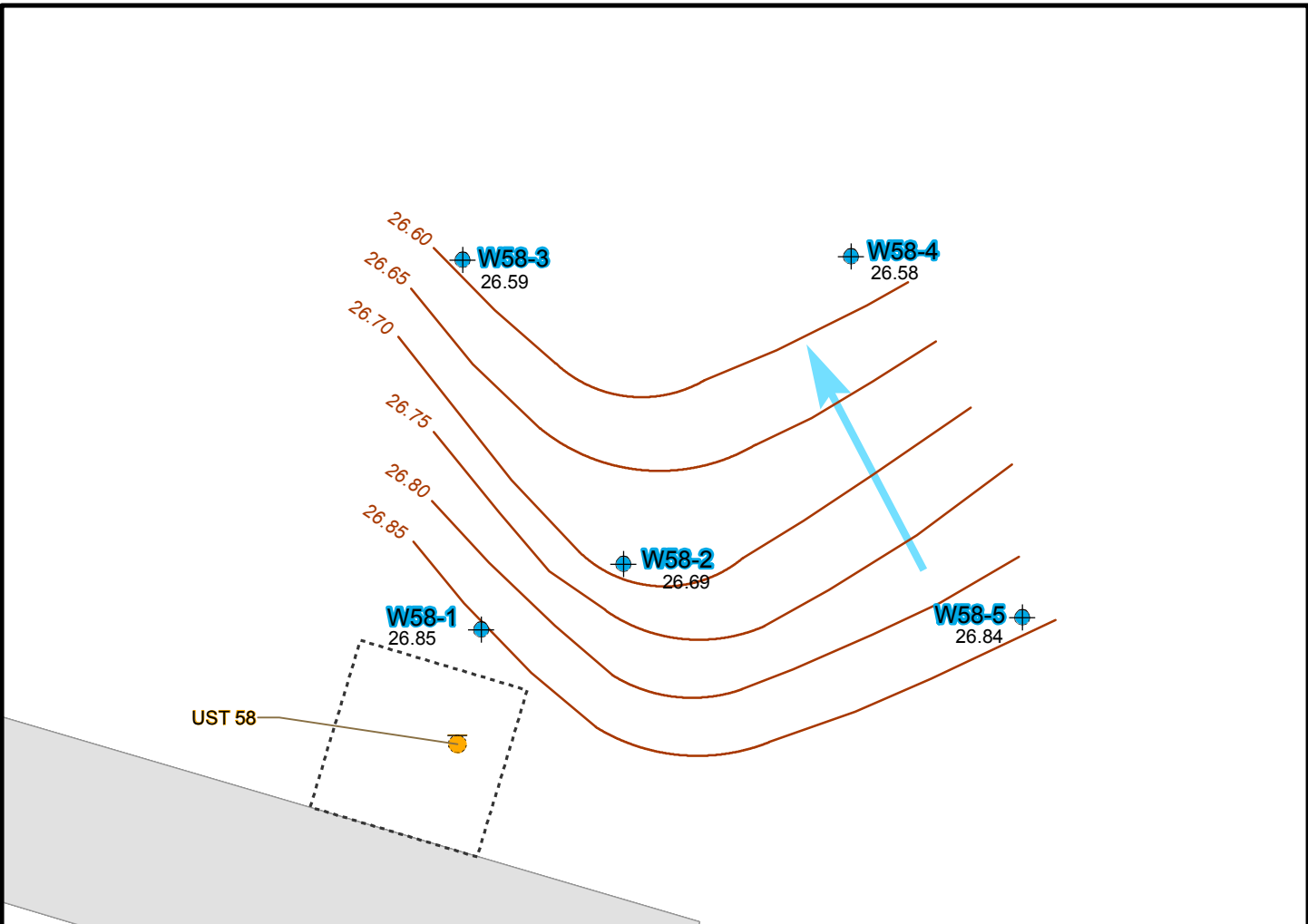


**BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE WEST
SAN DIEGO, CALIFORNIA**

COMPLETION REPORT AND REQUEST FOR CLOSURE
OR NO FURTHER ACTION FOR ADDITIONAL MOFFETT PETROLEUM SITES

FIGURE 3-6
FORMER UST 58 AREA EXTENT OF SOIL AND GROUNDWATER
CONTAMINATION
FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA

REVIEW: H AUTHOR: MS FILE NUMBER: 110584L7468.mxd	TETRA TECH EC, INC.
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JANUARY, APRIL, JULY, AND OCTOBER 2011
 544
 GROUNDWATER ANALYTICAL RESULTS FOR W58-1, W58-3
 THROUGH W-58-5 BELOW REPORTING LIMITS.
 JANUARY 2011 RESULTS FOR W-58-2 JP5/KEROSENE = 0.3 J mg/L
 APRIL, JULY, OCTOBER 2011 RESULTS BELOW REPORTING LIMITS

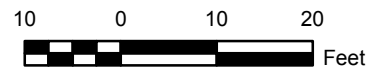
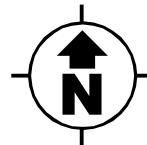
LEGEND

- W58-2** 26.69 GROUNDWATER MONITORING WELL LOCATION AND GROUNDWATER ELEVATION (ABOVE MSL)
- UST 58** FORMER UST LOCATION
- ROAD
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- APPROXIMATE LIMIT OF EXCAVATION
- BUILDING
- 26.60 GROUNDWATER ELEVATION CONTOUR

NOTE:

MSL - MEAN SEA LEVEL

UST - UNDERGROUND STORAGE TANK



BASE REALIGNMENT AND CLOSURE PROGRAM MANAGEMENT OFFICE WEST SAN DIEGO, CALIFORNIA	
COMPLETION REPORT AND REQUEST FOR CLOSURE OR NO FURTHER ACTION FOR ADDITIONAL MOFFETT PETROLEUM SITES FIGURE 3-7 FORMER UST 58 AREA POTENIOMETRIC SURFACE MAP UPPER A AQUIFER - JULY 2011 FORMER NAS MOFFETT FIELD, MOFFETT FIELD, CALIFORNIA	
REVIEW: 0 AUTHOR: MS FILE NUMBER: 110584A7466.mxd	TETRA TECH EC, INC.

APPENDIX A
PROJECT DOCUMENTATION
(on CD only)

Low Flow Groundwater Sampling Data Sheets

Land Surveyors Report

Nonhazardous Waste Manifests

Figure I3 TtEMI 2000a

Figure I8 TtEMI 2000a

NASA Construction/Excavation Permit

Santa Clara Valley Water District Well Construction Completion Forms

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Low Flow Groundwater Sampling Data Sheets

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LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-1

Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.

Screen Interval 12.1-17.1
Station Elevation GND TOC Immiscible Phases Present
Static Water Level (from TOC) / Time 5.99/0922 6.0/093 6.0/0929
Average Water Level (from TOC) 6.0

Sample Date: 1-20-11

Sampling Personnel: Duane Harrison

Reference Point to PID Readings (background)
Reference Elevation PID Reading (TOC)
Static Elevation Notes
Well Depth MEAS 17.1 RPTD (TEC) Feet of Water

Sample ID: 9-536

Duplicate ID: 9-537

Depth of Bottom of Tubing 14.6
Depth to Water (w/ Tubing in Well) 5.99

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Contains 10 rows of data.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table with columns: VOC's, TPH-P, TPH-E, PAH's

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Fe = 0.6 Mn = 0.1

Condition of Well: Vault needs work

Remarks:

FIELD EQUIPMENT

Table listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus with serial numbers.

Number of Bottles 10
Field Notebook PA-30
Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-2

Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.

Screen Interval 8.2-11.2

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 8.3/1335 8.29/1336 8.29/1337

Average Water Level (from TOC) 8.29

Sample Date: 1-20-11

Reference Point toc PID Readings (background) 0

Sampling Personnel: Duane Harrison

Reference Elevation PID Reading (TOC) 0

Static Elevation Notes

Well Depth MEAS 10.45 RPTD (TOC) Feet of Water

Sample ID: 9-538

Depth of Bottom of Tubing 9.7

Duplicate ID: N/A

Depth to Water (w/ Tubing in Well) 8.28

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table with columns for sample rates

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Fe = 0.3 Mn = 0

Condition of Well: NEW

Remarks:

FIELD EQUIPMENT

Table listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus.

Number of Bottles 10

Field Notebook Pg 31

Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-3

Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.

Screen Interval 6.5-11.5

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 1220/7.25 1221/7.25 1222/7.25

Average Water Level (from TOC) 7.25

Sample Date: 1-25-11

Sampling Personnel: Duane Harrison

Reference Point toc

PID Readings (background) 0

Reference Elevation

PID Reading (TOC) 0

Static Elevation

Notes

Well Depth MEAS 11.2 RPTD (TOC)

Feet of Water

Sample ID: 9-539

Duplicate ID: N/A

Depth of Bottom of Tubing 9

Depth to Water (w/ Tubing in Well) 7.24

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1300-1315.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

FE = 0.5 Mn = 0.1

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table with columns: VOC's, TPH-P, TPH-E, PAH's

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

pH Meter Troll 950
Temperature Meter Troll 950
Turbidity Meter LaMotte 2020
Spec. Elec. Cond. Meter Troll 950
ORP Meter Troll 950
D.O. Meter Troll 950
Interface Probe WLM
PID/OVA Mini Rae 2000
Pump Sample Pro
Filter Apparatus n/a

Serial Number 48253
Serial Number 48253
Serial Number 16903
Serial Number 48253
Serial Number 48253
Serial Number 48253
Serial Number 6953
Serial Number 00320
Serial Number 10250

Number of Bottles 10

Field Notebook Pg 53

Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-4

Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.

Screen Interval 7.7-12.7

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 6.59/1050 6.59/1051 6.59/1052

Average Water Level (from TOC) 6.59

Sample Date: 1-19-11

Sampling Personnel: Duane Harrison

Reference Point toc

PID Readings (background) 0

Reference Elevation

PID Reading (TOC) 0

Static Elevation

Notes

Well Depth MEAS 12.7 RPTD (TOC)

Feet of Water

Sample ID: 9-540-MS/MSD

Duplicate ID: N/A

Depth of Bottom of Tubing 10.2

Depth to Water (w/ Tubing in Well) 6.59

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

FE = 0.3 Ma = 0

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table with columns: Sample Rate for VOCs, Sample Rate for non-VOCs

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

pH Meter Troll 950
Temperature Meter Troll 950
Turbidity Meter LaMotte 2020
Spec. Elec. Cond. Meter Troll 950
ORP Meter Troll 950
D.O. Meter Troll 950
Interface Probe WLM
PID/OVA Mini Rae 2000
Pump Sample Pro
Filter Apparatus n/a

Serial Number 48253
Serial Number 48253
Serial Number 16903
Serial Number 48253
Serial Number 48253
Serial Number 48253
Serial Number 6953
Serial Number 00320
Serial Number 10250

Number of Bottles 30
Field Notebook Pg 28
Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-5

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Sample Date: 1-25-11

Sampling Personnel:

Duane Harrison

Sample ID: 9-541

Duplicate ID: N/A

Screen Interval 7.4-12.4

Station Elevation GND TOC Immiscible Phases Present

Static Water Level (from TOC) / Time 0650/6.56 0651/6.55 0652/6.55

Average Water Level (from TOC) 6.55

Reference Point toc PID Readings (background) 0

Reference Elevation PID Reading (TOC) 0

Static Elevation Notes

Well Depth MEAS 12.03 RPTD (TOC) Feet of Water

Depth of Bottom of Tubing 9.9

Depth to Water (w/ Tubing in Well) 6.55

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 0730, 0735, 0736, 0900, 0903, 0930.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

FE = 0.5 Mn = 0

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table with columns for sample rate data

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks: Low volume well

FIELD EQUIPMENT

Table listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus with serial numbers.

Number of Bottles 10

Field Notebook pg. 32

Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-4

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Sample Date: 1-26-11

Sampling Personnel:

Duane Harrison

Screen Interval 4.9-9.9

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 6.01/0800 6.01/0801 6.01/0802

Average Water Level (from TOC) 6.01

Reference Point toc PID Readings (background) Open

Reference Elevation PID Reading (TOC) Open

Static Elevation Notes

Well Depth MEAS 10.04 RPTD (TOC) Feet of Water

Depth of Bottom of Tubing 7.4'

Depth to Water (w/ Tubing in Well) 6.00

Sample ID: 9-531

Duplicate ID: N/A

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for samples 0815 through 0830.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

Fe = 0.4 Mn = 0

SAMPLE PARAMETERS

Table with columns for parameters like TPH-E, etc.

SAMPLE RATE

Table with columns for sample rates.

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

Table listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, Serial Number, Number of Bottles, Field Notebook, Sample Method.

Discharge Water Containerized Yes No



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LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1

Date 1-26-11

Well Name: WZR-5

Project: CTO9 Petroleum Sites
 Project No: 3570.009.E
 Well Location: MFA- Zook Rd.

Screen Interval 4.1-9.1

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 4.9/0918 5.0/0920 5.0/0921

Average Water Level (from TOC) 5.0

Sample Date: 1-26-11

Sampling Personnel:
 Duane Harrison

Reference Point toc

PID Readings (background) 0

Reference Elevation

PID Reading (TOC) 0

Static Elevation

Notes

Well Depth MEAS 8.94 RPTD

Feet of Water

Sample ID: 9-532

Duplicate ID: N/A

Depth of Bottom of Tubing 6.6'

Depth to Water (w/ Tubing in Well) 5.0

PURGING

Time	Discharge Rate ¹ (L/min)	Dissolved Oxygen (mg/L)	pH	Eh/ORP (mV)	Temp. (°C)	Specific Conduct. (µmhos/cm at °C)	Turbidity (NTU)	Cumulative Volume of Water Removed/Purged (Gallons)	PID/OVA Reading		Depth to Water ² (ft)	Comments
									Location	Value		
0930	.24um	1.4	7.5	-114	17.7	671	26	.1			5.03	
0933	.24um	0.9	7.5	-127	17.1	665	12.2	.2			5.05	
0936	.24um	0.8	7.5	-128	17	665	8.4	.3			5.05	
0939	.24um	0.8	7.5	-128	17	665	7.2	.4			5.06	
0942	.24um	0.79	7.5	-129	17	667	6.4	.5			5.06	
0945	Collect	Sample										

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
- 2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

TPH-E												
-------	--	--	--	--	--	--	--	--	--	--	--	--

SAMPLE RATE

.2												
----	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
- 2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Fe = 0.3 Mn = 0

Condition of Well: New

Remarks:

FIELD EQUIPMENT

pH Meter Troll 950
 Temperature Meter Troll 950
 Turbidity Meter LaMotte 2020
 Spec. Elec. Cond. Meter Troll 950
 ORP Meter Troll 950
 D.O. Meter Troll 950
 Interface Probe WLM
 PID/OVA Mini Rae 2000
 Pump Sample Pro
 Filter Apparatus n/a

Serial Number 48253
 Serial Number 48253
 Serial Number 16903
 Serial Number 48253
 Serial Number 48253
 Serial Number 48253
 Serial Number 6953
 Serial Number 00320
 Serial Number 10250

Number of Bottles 2
 Field Notebook Pg. 34
 Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-6

Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.

Screen Interval 5.2-10.2

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 1045/4.91 1045/4.91 1045/4.91

Average Water Level (from TOC) 4.91

Sample Date: 1-26-11

Sampling Personnel: Duane Harrison

Reference Point toc PID Readings (background) 0

Reference Elevation PID Reading (TOC) 0

Static Elevation Notes

Well Depth MEAS 10 RPTD Feet of Water

Sample ID: 9-533

Duplicate ID: N/A

Depth of Bottom of Tubing 7.7'

Depth to Water (w/ Tubing in Well) 4.91

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Contains 7 rows of data.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with 10 columns for sample parameters, mostly empty.

SAMPLE RATE

Table with 10 columns for sample rates, mostly empty.

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Fe = 0.9 Mn = 0.1

Condition of Well: New

Remarks:

FIELD EQUIPMENT

pH Meter Troll 950
Temperature Meter Troll 950
Turbidity Meter LaMotte 2020
Spec. Elec. Cond. Meter Troll 950
ORP Meter Troll 950
D.O. Meter Troll 950
Interface Probe WLM
PID/OVA Mini Rae 2000
Pump Sample Pro
Filter Apparatus n/a

Serial Number 48253
Serial Number 48253
Serial Number 16903
Serial Number 48253
Serial Number 48253
Serial Number 48253
Serial Number 6953
Serial Number 00320
Serial Number 10250

Number of Bottles 2

Field Notebook Pg. 35

Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-7

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Screen Interval 4.6-7.6'

Station Elevation GND TOC

Static Water Level (from TOC) / Time 4.75/1303 4.76/1304 4.75/1305

Average Water Level (from TOC) 4.75

Immiscible Phases Present Yes No

Sample Date: 1-18-11

Sampling Personnel:

Duane Harrison

Reference Point toC

Reference Elevation

Static Elevation (TOC)

Well Depth MEAS 6.45 RPTD

Depth of Bottom of Tubing 6.1'

Depth to Water (w/ Tubing in Well) 4.76

PID Readings (background) 0

PID Reading (TOC) 0

Notes

Feet of Water

Sample ID: 9-534

Duplicate ID: N/A

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1312 through 1325.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

Fe = 0.2 Mn = 0

SAMPLE PARAMETERS

Table for sample parameters with columns for TPH-E and other parameters.

SAMPLE RATE

Table for sample rate with columns for rate and other parameters.

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

pH Meter Troll 950
Temperature Meter Troll 950
Turbidity Meter LaMotte 2020
Spec. Elec. Cond. Meter Troll 950
ORP Meter Troll 950
D.O. Meter Troll 950
Interface Probe WLM
PID/OVA Mini Rae 2000
Pump Sample Pro
Filter Apparatus n/a

Serial Number 48253
Serial Number 48253
Serial Number 16903
Serial Number 48253
Serial Number 48253
Serial Number 48253
Serial Number 6953
Serial Number 00320
Serial Number 10250

Number of Bottles 2
Field Notebook Pg-24
Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-8

Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.

Screen Interval 4.6-9.6
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 5.79/1120 5.79/1121 5.79/1122
Average Water Level (from TOC) 5.79

Sample Date: 1-18-11

Sampling Personnel: Duane Harrison

Reference Point toc
PID Readings (background)
Reference Elevation
PID Reading (TOC)
Static Elevation
Notes
Well Depth MEAS 9.3 RPTD (TOC)
Feet of Water

Sample ID: 9-535

Duplicate ID: N/A

Depth of Bottom of Tubing 7.1'
Depth to Water (w/ Tubing in Well) 5.79

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp, Specific Conduct, Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Contains 8 rows of data.

- Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

Fe = 0.5 Mn = 0

SAMPLE PARAMETERS

Table with 10 columns for sample parameters, mostly empty.

SAMPLE RATE

Table with 10 columns for sample rate, mostly empty.

- Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: Good - new

Remarks:

FIELD EQUIPMENT

Table listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, Serial Number, Number of Bottles, Field Notebook, Sample Method, Discharge Water Containerized.



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-4
Project: CT09 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58
Sample Date: 4-12-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-551
Duplicate ID: N/A

Screen Interval 7.7-12.7
Station Elevation GND TOC
Immiscible Phases Present No
Static Water Level (from TOC) / Time 5.65/0938 5.65/0939 5.65/0940
Average Water Level (from TOC)
Reference Point toC PID Readings (background)
Reference Elevation PID Reading (TOC)
Static Elevation Notes
Well Depth MEAS RPTD Feet of Water
Depth of Bottom of Tubing 10.2
Depth to Water (w/ Tubing in Well) 5.41

PURGING table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading (Location, Value), Depth to Water, Comments. Includes handwritten data for times 0940 through 1005.

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table for SAMPLE PARAMETERS with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table for SAMPLE RATE with columns: .15, .15, .15, .15

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
Remarks:

FIELD EQUIPMENT

FIELD EQUIPMENT list including pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, and Discharge Water Containerized status.



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-2
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58

Screen Interval 8.2-11.2
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 7.50/0815 7.5/0814 7.5/0815
Average Water Level (from TOC) 7.5

Sample Date:
Sampling Personnel:
Duane Harrison
Larry Dudus

Reference Point toc
Reference Elevation
Static Elevation
Well Depth MEAS RPTD
Feet of Water

Sample ID: 9-548
Duplicate ID: 9-549

Depth of Bottom of Tubing 9.7
Depth to Water (w/ Tubing in Well) 7.02

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading (Location, Value), Depth to Water, Comments. Includes handwritten data for times 0820, 0823, and 0850.

- Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table with columns for sample rate parameters

- Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number 01F0619 Number of Bottles
Temperature Meter YSI 556 Serial Number 01F0619
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number 01F0619 Field Notebook
ORP Meter YSI 556 Serial Number 01F0619
D.O. Meter YSI 556 Serial Number 01F0619 Sample Method Low Flow
Interface Probe WLM Serial Number 6953
PID/OVA Mini Rae 2000 Serial Number 00320
Pump Sample Pro Serial Number 10250
Filter Apparatus n/a Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-3
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58
Sample Date: 4-12-11
Sampling Personnel: Duane Harrison, Larry Dudas
Sample ID: 9-550
Duplicate ID: N/A

Screen Interval 6.5-11.5
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 5.5/1400 5.5/1401 5.5/1402
Average Water Level (from TOC) 5.50
Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS 11.43 RPTD
Feet of Water
Depth of Bottom of Tubing 9
Depth to Water (w/ Tubing in Well) 5.5

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes data rows from 1436 to 1455.

- Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's

SAMPLE RATE

Table with columns: Discharge Rate, Sample Rate

- Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW

Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number 01F0619 Number of Bottles
Temperature Meter YSI 556 Serial Number 01F0619
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number 01F0619 Field Notebook
ORP Meter YSI 556 Serial Number 01F0619
D.O. Meter YSI 556 Serial Number 01F0619 Sample Method Low Flow
Interface Probe WLM Serial Number 6953
PID/OVA Mini Rae 2000 Serial Number 00320
Pump Sample Pro Serial Number 10250
Filter Apparatus n/a Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-4

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Screen Interval 4.9-9.9

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 5.64/1430 5.64/1431 5.64/1432

Average Water Level (from TOC) 5.64

Sample Date: 4-13-11

Reference Point toc PID Readings (background) 0

Sampling Personnel:

Reference Elevation PID Reading (TOC) 0

Duane Harrison

Static Elevation Notes

Larry Dudus

Well Depth MEAS RPTD Feet of Water

Sample ID: 9-542

Depth of Bottom of Tubing 7.4'

Duplicate ID: N/A

Depth to Water (w/ Tubing in Well) 5.62

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water, PID/OVA Reading, Depth to Water, Comments. Contains 7 rows of purging data.

- Notes: 1. Purge rate = 0.2 - 0.5 L/minute 2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with 10 columns for sample parameters, mostly empty.

SAMPLE RATE

Table with 10 columns for sample rate, mostly empty.

- Notes: 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute 2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

Table listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, Number of Bottles, Field Notebook, Sample Method, Discharge Water Containerized.



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-5
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.
Sample Date: 4-13-11
Sampling Personnel: Duane Harrison, Larry Dudas
Sample ID: 9-543
Duplicate ID: N/A

Screen Interval 4.1-9.1
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 4.6/1330 4.6/1331 4.6/1333
Average Water Level (from TOC) 4.60
Reference Point toC PID Readings (background) 0
Reference Elevation PID Reading (TOC) 0
Static Elevation Notes
Well Depth MEAS 8.93 RPTD Feet of Water
Depth of Bottom of Tubing 6.6'
Depth to Water (w/ Tubing in Well) 4.62

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Contains 11 rows of data.

- Notes: 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with 10 columns for sample parameters, mostly empty.

SAMPLE RATE

Table with 10 columns for sample rate, mostly empty.

- Notes: 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number 01F0619 Number of Bottles
Temperature Meter YSI 556 Serial Number 01F0619
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number 01F0619 Field Notebook
ORP Meter YSI 556 Serial Number 01F0619
D.O. Meter YSI 556 Serial Number 01F0619 Sample Method Low Flow
Interface Probe WLM Serial Number 6953
PID/OVA Mini Rae 2000 Serial Number 00320
Pump Sample Pro Serial Number 10250
Filter Apparatus n/a Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-6
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.
Sample Date: 4-13-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-544
Duplicate ID: N/A
Screen Interval: 5.2-10.2
Station Elevation: GND TOC
Static Water Level (from TOC) / Time: 4.55/1115, 4.55/1116, 4.55/1117
Average Water Level (from TOC): 4.55
Reference Point: toc
Reference Elevation:
Static Elevation:
Well Depth MEAS: 10.02 RPTD
Depth of Bottom of Tubing: 7.7'
Depth to Water (w/ Tubing in Well): 4.59
Immiscible Phases Present: No
PID Readings (background):
PID Reading (TOC):
Notes:

PURGING table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes data for times 1120 through 1145.

- Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS table with columns for TPH-E and other parameters.

SAMPLE RATE table with columns for sample rate and other parameters.

- Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW
Remarks:

FIELD EQUIPMENT section listing various meters and their serial numbers: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, Number of Bottles, Field Notebook, Sample Method, Discharge Water Containerized.



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-7

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Sample Date: 4-14-11

Sampling Personnel:

Duane Harrison

Larry Dudus

Sample ID: 9-545

Duplicate ID: N/A

Screen Interval 4.6-7.6'

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 4.67/1022 4.67/1023 4.67/1024

Average Water Level (from TOC) 4.67

Reference Point to PID Readings (background) 0

Reference Elevation PID Reading (TOC) 0

Static Elevation Notes

Well Depth MEAS RPTD Feet of Water

Depth of Bottom of Tubing 6.1'

Depth to Water (w/ Tubing in Well) 4.87

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1027 through 1045.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns for TPH-E and other parameters.

SAMPLE RATE

Table with columns for sample rate and other parameters.

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

Table listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, and their serial numbers.

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-8

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Screen Interval 4.6-9.6

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 5.68/0.15 5.68/0.16 5.68/0.17

Average Water Level (from TOC) 5.68

Sample Date: 4-14-11

Reference Point toc PID Readings (background) 0

Sampling Personnel:

Reference Elevation PID Reading (TOC) 1.1

Duane Harrison

Static Elevation Notes

Larry Dudus

Well Depth MEAS RPTD Feet of Water

Sample ID: 9-546

Depth of Bottom of Tubing 7.1'

Duplicate ID: N/A

Depth to Water (w/ Tubing in Well)

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Contains 7 rows of data.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with 8 columns for sample parameters: TPH-E, etc.

SAMPLE RATE

Table with 8 columns for sample rate: 0.15, etc.

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

- pH Meter YSI 556
Temperature Meter YSI 556
Turbidity Meter LaMotte 2020
Spec. Elec. Cond. Meter YSI 556
ORP Meter YSI 556
D.O. Meter YSI 556
Interface Probe WLM
PID/OVA Mini Rae 2000
Pump Sample Pro
Filter Apparatus n/a

- Serial Number 01F0619
Serial Number 01F0619
Serial Number 16903
Serial Number 01F0619
Serial Number 01F0619
Serial Number 01F0619
Serial Number 6953
Serial Number 00320
Serial Number 10250

- Number of Bottles
Field Notebook
Sample Method Low Flow
Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-4

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Screen Interval 4.9-9.9

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 1518/6.80 1519/6.80 1520/6.80

Average Water Level (from TOC) 6.80

Sample Date: 7-26-11

Sampling Personnel:

Duane Harrison

Larry Dudus

Reference Point toc PID Readings (background) 0

Reference Elevation PID Reading (TOC) 0

Static Elevation Notes

Well Depth MEAS RPTD 10.04 Feet of Water

Sample ID: 9-553

Duplicate ID: N/A

Depth of Bottom of Tubing 7.4'

Depth to Water (w/ Tubing in Well) 6.82

PURGING

Time	Discharge Rate ¹ (L/min)	Dissolved Oxygen (mg/L)	pH	Eh/ORP (mV)	Temp. (°C)	Specific Conduct. (µmhos/cm at °C)	Turbidity (NTU)	Cumulative Volume of Water Removed/Purged (Gallons)	PID/OVA Reading		Depth to Water ² (ft)	Comments
									Location	Value		
1525	.2	7.6	7.2	196	23	718	8.6	.05			6.84	
1528	.2	7.9	7.5	198	22	683	3.6	.1			6.85	
1531	.2	8.1	7.8	193	22	669	5.2	.15			6.85	
1534	.2	7.9	8.1	185	22	678	2.5	.2				
1535	Collect	Sample										

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
- 2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

TPH-E												
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SAMPLE RATE

<u>.2</u>												
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Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
- 2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW

Remarks:

FIELD EQUIPMENT

pH Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	Number of Bottles <u> </u>
Temperature Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	<u> </u>
Turbidity Meter <u>LaMotte 2020</u>	Serial Number <u>16903</u>	<u> </u>
Spec. Elec. Cond. Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	Field Notebook <u> </u>
ORP Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	<u> </u>
D.O. Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	Sample Method <u>Low Flow</u>
Interface Probe <u>WLM</u>	Serial Number <u>6953</u>	<u> </u>
PID/OVA <u>Innova</u>	Serial Number <u>4.43</u>	<u> </u>
Pump <u>Sample Pro</u>	Serial Number <u>10250</u>	<u> </u>
Filter Apparatus <u>n/a</u>		Discharge Water Containerized <input type="checkbox"/> Yes <input type="checkbox"/> No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-5
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.
Sample Date: 7-26-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-554
Duplicate ID: N/A
Screen Interval: 4.1-9.1
Station Elevation: GND TOC
Immiscible Phases Present: No
Static Water Level (from TOC) / Time: 5.80/1600, 5.8/1601, 5.8/1602
Average Water Level (from TOC): 5.80
Reference Point: toc
Reference Elevation:
Static Elevation:
Well Depth MEAS: RPTD 8.93
Feet of Water:
Depth of Bottom of Tubing: 6.6'
Depth to Water (w/ Tubing in Well): 5.90

PURGING table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes data for times 1607, 1610, 1613, 1616, 1619, and 1620.

- Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS table with columns for various parameters and their values.

SAMPLE RATE table with columns for sample rate and other parameters.

- Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
Remarks:

FIELD EQUIPMENT section listing various meters and pumps with their serial numbers and other details.

Discharge Water Containerized: Yes



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-6
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.
Sample Date: 7-27-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-555
Duplicate ID: N/A

Screen Interval 5.2-10.2
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 5.72/0758 5.72/0800 5.72/0801
Average Water Level (from TOC) 5.72
Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS RPTD 10.02
Feet of Water
Depth of Bottom of Tubing 7.7'
Depth to Water (w/ Tubing in Well) 5.8

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 0808 through 0825.

- Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns for TPH-E parameters.

SAMPLE RATE

Table with columns for sample rate parameters.

- Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW

Remarks:

FIELD EQUIPMENT

Form listing field equipment: pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, and Number of Bottles.

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-7
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.
Sample Date: 7-27-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-556
Duplicate ID: N/A

Screen Interval 4.6-7.6'
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 5.8/0847 5.8/0848 5.8/0850
Average Water Level (from TOC) 5.8
Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS RPTD 6.85
Feet of Water
Depth of Bottom of Tubing 6.1'
Depth to Water (w/ Tubing in Well) 5.7

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading (Location, Value), Depth to Water, Comments. Includes handwritten data for 0857 and 0912.

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with 8 columns for sample parameters (TPH-E, etc.)

SAMPLE RATE

Table with 8 columns for sample rate

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number O2D0577 Number of Bottles
Temperature Meter YSI 556 Serial Number O2D0577
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number O2D0577 Field Notebook
ORP Meter YSI 556 Serial Number O2D0577
D.O. Meter YSI 556 Serial Number O2D0577 Sample Method Low Flow
Interface Probe WLM Serial Number 6953
PID/OVA Innova Serial Number 4.43
Pump Sample Pro Serial Number 10250
Filter Apparatus n/a Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-8
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.
Sample Date: 7-27-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-557
Duplicate ID: N/A

Screen Interval 4.6-9.6
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 6.8/1050 6.8/1051 6.8/1052
Average Water Level (from TOC) 6.8
Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS RPTD 9.3
Feet of Water
Depth of Bottom of Tubing 7.1'
Depth to Water (w/ Tubing in Well) 6.75

PURGING table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1054, 1057, and 1100.

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

TPH-E table with empty rows for data entry.

SAMPLE RATE

Table with empty rows for sample rate data.

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New/good
Remarks:

FIELD EQUIPMENT

Equipment list including pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, and Number of Bottles.

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-2
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58
Sample Date:
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-559
Duplicate ID: N/A

Screen Interval 8.2-11.2
Station Elevation GND TOC Immiscible Phases Present
Static Water Level (from TOC) / Time
Average Water Level (from TOC) 5.50
Reference Point toc PID Readings (background) 0
Reference Elevation PID Reading (TOC) 0
Static Elevation Notes
Well Depth MEAS RPTD 9.7 Feet of Water
Depth of Bottom of Tubing 9.7
Depth to Water (w/ Tubing in Well) 5.95

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1316, 1319, and 1320.

- Notes: 1. Purge rate = 0.2 - 0.5 L/minute 2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE

Table with columns for sample rate values across various parameters.

- Notes: 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute 2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: N2W
Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number O2D0577 Number of Bottles
Temperature Meter YSI 556 Serial Number O2D0577
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number O2D0577 Field Notebook
ORP Meter YSI 556 Serial Number O2D0577
D.O. Meter YSI 556 Serial Number O2D0577 Sample Method Low Flow
Interface Probe WLM Serial Number 6953
PID/OVA Innova Serial Number 4.43
Pump Sample Pro Serial Number 10250
Filter Apparatus n/a Discharge Water Containerized Yes No



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LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1
Date 7-27-11

Well Name: W58-1
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58.
Sample Date: 7-27-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-558
Duplicate ID: n/a- ms/msd

Screen Interval 12.1-17.1
Station Elevation GND TOC
Immiscible Phases Present
Static Water Level (from TOC) / Time
Average Water Level (from TOC) 6.5
Reference Point toc
Reference Elevation
Static Elevation
Well Depth MEAS RPTD 17.1
Feet of Water
Depth of Bottom of Tubing 14.6
Depth to Water (w/ Tubing in Well) 6.3

PURGING table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments.

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE

Table with columns for sample rate parameters

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: OK
Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number O2D0577 Number of Bottles
Temperature Meter YSI 556 Serial Number O2D0577
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number O2D0577 Field Notebook
ORP Meter YSI 556 Serial Number O2D0577
D.O. Meter YSI 556 Serial Number O2D0577 Sample Method Low Flow
Interface Probe WLM Serial Number 6953
PID/OVA Innova Serial Number 4.43
Pump Sample Pro Serial Number 10250
Filter Apparatus n/a Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-3
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58
Sample Date: 7-28-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-560
Duplicate ID: 9-561

Screen Interval 6.5-11.5
Station Elevation GND TOC
Static Water Level (from TOC) / Time 7.13 / 7.13 / 7.13
Average Water Level (from TOC) 7.13
Reference Point toc
Reference Elevation
Static Elevation
Well Depth MEAS RPTD 11.2
Depth of Bottom of Tubing 9
Depth to Water (w/ Tubing in Well) 7.15
Immiscible Phases Present Yes No
PID Readings (background) 0
PID Reading (TOC) 0
Notes
Feet of Water

PURGING table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp, Specific Conduct, Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes rows for 0834, 0837, 0840, 0843, 0847, 0850, 0900.

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE table with columns for various parameters and rates.

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
Remarks:

FIELD EQUIPMENT section listing pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, Serial Number, Number of Bottles, Field Notebook, Sample Method, Discharge Water Containerized.



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-4
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58
Sample Date: 7-28-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-562
Duplicate ID: N/A

Screen Interval 7.7-12.7
Station Elevation GND TOC
Static Water Level (from TOC) / Time 7.15/1002 7.15/1004 7.15/1005
Average Water Level (from TOC) 7.15
Reference Point toc
PID Readings (background)
Reference Elevation
PID Reading (TOC)
Static Elevation
Notes
Well Depth MEAS RPTD 12.7
Feet of Water
Depth of Bottom of Tubing 10.2
Depth to Water (w/ Tubing in Well) 7.1

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes data rows from 1010 to 1030.

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE

Table with columns for sample rate parameters

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW
Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number 01F0619 Number of Bottles
Temperature Meter YSI 556 Serial Number 01F0619
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number 01F0619 Field Notebook
ORP Meter YSI 556 Serial Number 01F0619
D.O. Meter YSI 556 Serial Number 01F0619 Sample Method Low Flow
Interface Probe WLM Serial Number 6953
PID/OVA Mini Rae 2000 Serial Number 00320
Pump Sample Pro Serial Number 10250
Filter Apparatus n/a
Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-5
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58
Sample Date: 7-28-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-563
Duplicate ID: N/A

Screen Interval 7.4-12.4
Station Elevation GND TOC
Static Water Level (from TOC) / Time 6.71/1117 6.71/1118 6.71/1119
Average Water Level (from TOC) 6.71
Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS RPTD 12.03
Feet of Water
Depth of Bottom of Tubing 9.9
Depth to Water (w/ Tubing in Well) 6.3

PURGING table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1127, 1130, and 1135.

- Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE

Table with columns for sample rate parameters

- Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

Field equipment list including pH Meter, Temperature Meter, Turbidity Meter, Spec. Elec. Cond. Meter, ORP Meter, D.O. Meter, Interface Probe, PID/OVA, Pump, Filter Apparatus, Serial Numbers, and Number of Bottles.

Discharge Water Containerized Yes No



TETRA TECH EC, Inc.

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1 Date 10-20-11

Well Name: W58-1
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58.
Sample Date: 10-20-11
Sampling Personnel: Duane Harrison, Larry Dudus

Screen Interval 12.1-17.1
Station Elevation GND TOC
Static Water Level (from TOC) / Time 6.73/0913 6.73/0914 6.73/0916
Average Water Level (from TOC) 6.73
Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS RPTD 17.1
Feet of Water
Depth of Bottom of Tubing 14.6
Depth to Water (w/ Tubing in Well) 6.67

Sample ID: 9-600
Duplicate ID: MS/MSD

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1020, 1023, 1026, 1029, 1030.

- Notes: 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

CH4 = 0

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175. Includes handwritten values: .1, .1, .3, .3, .1

- Notes: 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: ok

Remarks:

FIELD EQUIPMENT

pH Meter YSI 556
Temperature Meter YSI 556
Turbidity Meter LaMotte 2020
Spec. Elec. Cond. Meter YSI 556
ORP Meter YSI 556
D.O. Meter YSI 556
Interface Probe WLM
PID/OVA Innova
Pump Sample Pro
Filter Apparatus n/a

Serial Number O2D0577
Serial Number O2D0577
Serial Number 16903
Serial Number O2D0577
Serial Number O2D0577
Serial Number O2D0577
Serial Number O2D0577
Serial Number 6953
Serial Number 4.43
Serial Number 10250

Number of Bottles 27
Field Notebook
Sample Method Low Flow
Discharge Water Containerized Yes No



TETRA TECH EC, Inc.

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1
Date 10-20-11

Well Name: **W58-2**

Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58

Screen Interval 8.2-11.2
Station Elevation GND TOC Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time 660/0918 660/0919 660/0920
Average Water Level (from TOC) 6.60

Sample Date: 10-20-11

Sampling Personnel:
Duane Harrison
Larry Dudas

Reference Point toc PID Readings (background) 0
Reference Elevation PID Reading (TOC) 0
Static Elevation Notes
Well Depth MEAS RPTD 9.7 Feet of Water

Sample ID: **9-601**

Duplicate ID: **N/A**

Depth of Bottom of Tubing 9.7
Depth to Water (w/ Tubing in Well) 6.61

PURGING

Time	Discharge Rate ¹ (L/min)	Dissolved Oxygen (mg/L)	pH	Eh/ORP (mV)	Temp. (°C)	Specific Conduct. (µmhos/cm at °C)	Turbidity (NTU)	Cumulative Volume of Water Removed/Purged (Gallons)	PID/OVA Reading		Depth to Water ² (ft)	Comments
									Location	Value		
1136	.1	7.2	7.1	-27	22.7	1027	4.9	.05			6.85	
1140	exceeded drawdown											
1142	collected sample											

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot
CH4 = 0

SAMPLE PARAMETERS

VOC's	TPH-P	TPH-E	PAH's	RSK 175			
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SAMPLE RATE

.1	.1	.1	.1	.1			
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Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW

Remarks:

FIELD EQUIPMENT

pH Meter <u>YSI 556</u>	Serial Number <u>O2DQ577</u>	Number of Bottles <u>13 4</u>
Temperature Meter <u>YSI 556</u>	Serial Number <u>O2DQ577</u>	
Turbidity Meter <u>LaMotte 2020</u>	Serial Number <u>16903</u>	
Spec. Elec. Cond. Meter <u>YSI 556</u>	Serial Number <u>O2DQ577</u>	Field Notebook <u> </u>
ORP Meter <u>YSI 556</u>	Serial Number <u>O2DQ577</u>	
D.O. Meter <u>YSI 556</u>	Serial Number <u>O2DQ577</u>	Sample Method <u>Low Flow</u>
Interface Probe <u>WLM</u>	Serial Number <u>6953</u>	
PID/OVA <u>Innova</u>	Serial Number <u>4.43</u>	
Pump <u>Sample Pro</u>	Serial Number <u>10250</u>	
Filter Apparatus <u>n/a</u>		Discharge Water Containerized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-3
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Tank 58
Sample Date: 10-20-11
Sampling Personnel: Duane Harrison, Larry Dudus
Sample ID: 9-602
Duplicate ID: N/A

Screen Interval 6.5-11.5
Station Elevation GND TOC
Immiscible Phases Present No
Static Water Level (from TOC) / Time 7.32/0925 7.32/0924 7.32/0925
Average Water Level (from TOC) 7.32
Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS RPTD 11.2
Feet of Water
Depth of Bottom of Tubing 9
Depth to Water (w/ Tubing in Well) 7.1

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading (Location, Value), Depth to Water, Comments. Includes handwritten data for times 1217, 1220, 1223, 1224, 1230.

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

Handwritten note: CH4 = 0

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE

Table with columns: .2, .2, .3, .3, .2

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW

Remarks:

FIELD EQUIPMENT

pH Meter YSI 556
Temperature Meter YSI 556
Turbidity Meter LaMotte 2020
Spec. Elec. Cond. Meter YSI 556
ORP Meter YSI 556
D.O. Meter YSI 556
Interface Probe WLM
PID/OVA Innova
Pump Sample Pro
Filter Apparatus n/a

Serial Number O2D0577
Serial Number O2D0577
Serial Number 16903
Serial Number O2D0577
Serial Number O2D0577
Serial Number O2D0577
Serial Number 6953
Serial Number 4.43
Serial Number 10250

Number of Bottles 15 11
Field Notebook
Sample Method Low Flow

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: W58-4

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Tank 58

Sample Date: 10/20/11

Sampling Personnel:

Duane Harrison

Larry Dudus

Sample ID: 9-603

Duplicate ID: 9-604

Screen Interval 7.7-12.7

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 6.77/0927 6.77/0928 6.77/0930

Average Water Level (from TOC) 6.77 7.15 @ 0931, 0932, 0933

Reference Point toc PID Readings (background) 0

Reference Elevation PID Reading (TOC) 0

Static Elevation Notes

Well Depth MEAS RPTD 12.7 Feet of Water

Depth of Bottom of Tubing 10.2

Depth to Water (w/ Tubing in Well) 7.15

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1306, 1306, 1312, 1315, 1317, 1335.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

CH4 = 0

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New/Good

Remarks:

FIELD EQUIPMENT

pH Meter YSI 556

Temperature Meter YSI 556

Turbidity Meter LaMotte 2020

Spec. Elec. Cond. Meter YSI 556

ORP Meter YSI 556

D.O. Meter YSI 556

Interface Probe WLM

PID/OVA Mini Rae 2000

Pump Sample Pro

Filter Apparatus n/a

Serial Number 01F0619

Serial Number 01F0619

Serial Number 16903

Serial Number 01F0619

Serial Number 01F0619

Serial Number 01F0619

Serial Number 6953

Serial Number 00320

Serial Number 10250

Number of Bottles 19

Field Notebook

Sample Method Low Flow

Discharge Water Containerized Yes No



TETRA TECH EC, Inc.

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 2 of 1 Date 10-20-11

Well Name: W58-5

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Tank 58

Sample Date: 10-20-11

Sampling Personnel:

Duane Harrison

Larry Dudus

Sample ID: 9-605

Duplicate ID: N/A

Screen Interval 7.4-12.4

Station Elevation GND TOC

Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time 6.77/0927 6.77/0927 6.77/0927

Average Water Level (from TOC) 6.77

Reference Point toc

PID Readings (background) 0

Reference Elevation

PID Reading (TOC) 0

Static Elevation

Notes

Well Depth MEAS RPTD 12.03

Feet of Water

Depth of Bottom of Tubing 9.9

Depth to Water (w/ Tubing in Well) 6.63

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 1420, 1423, 1426, and 1430.

Notes:

- 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

CH4 = 0

SAMPLE PARAMETERS

Table with columns: VOC's, TPH-P, TPH-E, PAH's, RSK 175

SAMPLE RATE

Table with columns for sample rates for various parameters.

Notes:

- 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New

Remarks:

FIELD EQUIPMENT

pH Meter YSI 556

Serial Number O2D0577

Number of Bottles 11

Temperature Meter YSI 556

Serial Number O2D0577

Turbidity Meter LaMotte 2020

Serial Number 16903

Spec. Elec. Cond. Meter YSI 556

Serial Number O2D0577

Field Notebook

ORP Meter YSI 556

Serial Number O2D0577

D.O. Meter YSI 556

Serial Number O2D0577

Sample Method Low Flow

Interface Probe WLM

Serial Number 6953

PID/OVA Innova

Serial Number 4.43

Pump Sample Pro

Serial Number 10250

Filter Apparatus n/a

Discharge Water Containerized Yes No



TETRA TECH EC, Inc.

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1

Date 10-19-11

Well Name: **WZR-4**

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Sample Date: 10-19-11

Sampling Personnel:

Duane Harrison

Larry Dudus

Sample ID: **9-595**

Duplicate ID: **N/A**

Screen Interval 4.9-9.9

Station Elevation GND TOC Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time

Average Water Level (from TOC)

Reference Point toc PID Readings (background) 0

Reference Elevation PID Reading (TOC) 0

Static Elevation Notes

Well Depth MEAS RPTD 10.04 Feet of Water

Depth of Bottom of Tubing 7.4'

Depth to Water (w/ Tubing in Well) 6.7

PURGING

Time	Discharge Rate ¹ (L/min)	Dissolved Oxygen (mg/L)	pH	EH/ORP (mV)	Temp. (°C)	Specific Conduct. (µmhos/cm at °C)	Turbidity (NTU)	Cumulative Volume of Water Removed/Purged (Gallons)	PID/OVA Reading		Depth to Water ² (ft)	Comments
									Location	Value		
0905	0.3	6.3	7.8	76	21.3	623	11.6	0.1			6.7	
0908	1.2	5	7.8	77.9	21.4	617	9.7	0.2			6.7	
0911	1.3	5	7.9	78	21.6	612	7.6	0.25			6.71	
0915	Collect Sample											

- Notes:
- Purge rate = 0.2 - 0.5 L/minute
 - Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

TPH-E												
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SAMPLE RATE

1.3												
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- Notes:
- Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
 - Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: Good - new

Remarks:

FIELD EQUIPMENT

pH Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	Number of Bottles <u>2</u>
Temperature Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	
Turbidity Meter <u>LaMotte 2020</u>	Serial Number <u>16903</u>	
Spec. Elec. Cond. Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	Field Notebook <u> </u>
ORP Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	
D.O. Meter <u>YSI 556</u>	Serial Number <u>O2DO577</u>	Sample Method <u>Low Flow</u>
Interface Probe <u>WLM</u>	Serial Number <u>6953</u>	
PID/OVA <u>Innova</u>	Serial Number <u>4.43</u>	
Pump <u>Sample Pro</u>	Serial Number <u>10250</u>	
Filter Apparatus <u>n/a</u>		

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Well Name: WZR-5
Project: CTO9 Petroleum Sites
Project No: 3570.009.E
Well Location: MFA- Zook Rd.

Screen Interval 4.1-9.1
Station Elevation GND TOC
Immiscible Phases Present Yes No
Static Water Level (from TOC) / Time
Average Water Level (from TOC)

Sample Date: 10-19-11
Sampling Personnel: Duane Harrison, Larry Dudus

Reference Point toc
PID Readings (background) 0
Reference Elevation
PID Reading (TOC) 0
Static Elevation
Notes
Well Depth MEAS RPTD 8.93
Feet of Water

Sample ID: 9-596
Duplicate ID: N/A

Depth of Bottom of Tubing 6.6'
Depth to Water (w/ Tubing in Well) 5.72

PURGING

Table with columns: Time, Discharge Rate, Dissolved Oxygen, pH, Eh/ORP, Temp., Specific Conduct., Turbidity, Cumulative Volume of Water Removed/Purged, PID/OVA Reading, Depth to Water, Comments. Includes handwritten data for times 0940, 0943, 0946, 0949, 0950.

- Notes: 1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

Table for SAMPLE PARAMETERS with columns for TPH-E and other parameters.

SAMPLE RATE

Table for SAMPLE RATE with columns for rate and other parameters.

- Notes: 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW

Remarks:

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number O2D0577 Number of Bottles 2
Temperature Meter YSI 556 Serial Number O2D0577
Turbidity Meter LaMotte 2020 Serial Number 16903
Spec. Elec. Cond. Meter YSI 556 Serial Number O2D0577
ORP Meter YSI 556 Serial Number O2D0577
D.O. Meter YSI 556 Serial Number O2D0577
Interface Probe WLM Serial Number 6953
PID/OVA Innova Serial Number 4.43
Pump Sample Pro Serial Number 10250

Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1
Date 10-19-11

Well Name: WZR-6
 Project: CTO9 Petroleum Sites
 Project No: 3570.009.E
 Well Location: MFA- Zook Rd.
Sample Date: 10-19-11
 Sampling Personnel:
 Duane Harrison
 Larry Dudus
Sample ID: 9-597
Duplicate ID: N/A

Screen Interval 5.2-10.2
 Station Elevation GND TOC Immiscible Phases Present Yes No
 Static Water Level (from TOC) / Time
 Average Water Level (from TOC)
 Reference Point toc PID Readings (background) 0
 Reference Elevation PID Reading (TOC) 0
 Static Elevation Notes
 Well Depth MEAS RPTD 10.02 Feet of Water
 Depth of Bottom of Tubing 7.7'
 Depth to Water (w/ Tubing in Well) 5.6

PURGING												
Time	Discharge Rate ¹ (L/min)	Dissolved Oxygen (mg/L)	pH	Eh/ORP (mV)	Temp. (°C)	Specific Conduct. (µmhos/cm at °C)	Turbidity (NTU)	Cumulative Volume of Water Removed/Purged (Gallons)	PID/OVA Reading		Depth to Water ² (ft)	Comments
									Location	Value		
1010	.3	5.9	7.3	149	20.9	628	15	.1			3.61	
1013	.3	7.1	7.1	56	21.1	634	8.7	.3			5.67	
1016	.3	1.7	7.1	27	21.1	633	-	.4			5.68	
1019	.3	1.9	7.1	18	21.1	633	-	.5			5.68	
1021	.3	1.8	7.1	16	21.1	633	-	.6			5.68	
1024	.3	1.8	7.1	17	21.1	633	-	.7			5.68	
1025	Collect sample											

- Notes:
 1. Purge rate = 0.2 - 0.5 L/minute
 2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

TPH-E			
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SAMPLE RATE

r 3			
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- Notes:
 1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
 2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: NEW

Remarks: _____

FIELD EQUIPMENT

pH Meter YSI 556 Serial Number O2DO577
 Temperature Meter YSI 556 Serial Number O2DO577
 Turbidity Meter LaMotte 2020 Serial Number 16903
 Spec. Elec. Cond. Meter YSI 556 Serial Number O2DO577
 ORP Meter YSI 556 Serial Number O2DO577
 D.O. Meter YSI 556 Serial Number O2DO577
 Interface Probe WLM Serial Number 6953
 PID/OVA Innova Serial Number 4.43
 Pump Sample Pro Serial Number 10250
 Filter Apparatus n/a

Number of Bottles 2

 Field Notebook _____
 Sample Method Low Flow

 Discharge Water Containerized Yes No



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1
Date 10-20-11

Well Name: WZR-7	Screen Interval <u>4.6-7.6'</u>								
Project: CTO9 Petroleum Sites	Station Elevation <u> </u> GND <u> </u> TOC <u> </u>	Immiscible Phases Present	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No					
Project No: 3570.009.E	Static Water Level (from TOC) / Time <u> </u>								
Well Location: MFA- Zook Rd.	Average Water Level (from TOC) <u> </u>								
Sample Date: <u>10-20-11</u>	Reference Point <u> </u> toc <u> </u>	PID Readings (background) <u> </u> <u> </u>							
Sampling Personnel:	Reference Elevation <u> </u>	PID Reading (TOC) <u> </u> <u> </u>							
Duane Harrison	Static Elevation <u> </u>	Notes <u> </u>							
Larry Dudus	Well Depth MEAS <u> </u> RPTD <u> 6.85 </u>	Feet of Water <u> </u>							
Sample ID: 9-598	Depth of Bottom of Tubing <u> 6.1' </u>								
Duplicate ID: N/A	Depth to Water (w/ Tubing in Well) <u> </u>								

PURGING												
Time	Discharge Rate ¹ (L/min)	Dissolved Oxygen (mg/L)	pH	Eh/ORP (mV)	Temp. (°C)	Specific Conduct. (µmhos/cm at °C)	Turbidity (NTU)	Cumulative Volume of Water Removed/Purged (Gallons)	PID/OVA Reading		Depth to Water ² (ft)	Comments
									Location	Value		

Notes:
1. Purge rate = 0.2 - 0.5 L/minute
2. Drawdown shall be <0.33 foot

SAMPLE PARAMETERS												
TPH-E												
SAMPLE RATE												

Notes:
1. Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
2. Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
Remarks:

FIELD EQUIPMENT		
pH Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	Number of Bottles <u>2</u>
Temperature Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	
Turbidity Meter <u>LaMotte 2020</u>	Serial Number <u>16903</u>	
Spec. Elec. Cond. Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	Field Notebook <u> </u>
ORP Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	
D.O. Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	Sample Method <u>Low Flow</u>
Interface Probe <u>WLM</u>	Serial Number <u>6953</u>	
PID/OVA <u>Innova</u>	Serial Number <u>4.43</u>	
Pump <u>Sample Pro</u>	Serial Number <u>10250</u>	
Filter Apparatus <u>n/a</u>		Discharge Water Containerized <input type="checkbox"/> Yes <input type="checkbox"/> No



TETRA TECH EC, Inc.

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Page 1 of 1

Date 10-19-11

Well Name: **WZR-8**

Project: CTO9 Petroleum Sites

Project No: 3570.009.E

Well Location: MFA- Zook Rd.

Screen Interval 4.6-9.6

Station Elevation GND TOC

Immiscible Phases Present Yes No

Static Water Level (from TOC) / Time

Average Water Level (from TOC)

Sample Date: 10-19-11

Reference Point toc

PID Readings (background) 0

Sampling Personnel:

Reference Elevation

PID Reading (TOC) 0

Duane Harrison

Static Elevation

Notes

Larry Dudus

Well Depth MEAS RPTD 9.3

Feet of Water

Sample ID: **9-599**

Depth of Bottom of Tubing 7.1'

Duplicate ID: **N/A**

Depth to Water (w/ Tubing in Well) 6.5

PURGING

Time	Discharge Rate ¹ (L/min)	Dissolved Oxygen (mg/L)	pH	Eh/ORP (mV)	Temp. (°C)	Specific Conduct. (µmhos/cm at °C)	Turbidity (NTU)	Cumulative Volume of Water Removed/Purged (Gallons)	PID/OVA Reading		Depth to Water ² (ft)	Comments
									Location	Value		
1244	0.1	4.5	7.3	108	21	878	55.1	0.05			7.6	
1247	Exceeded drawdown											
1250	Collect sample											

- Notes:
- Purge rate = 0.2 - 0.5 L/minute
 - Drawdown shall be <0.33 foot

SAMPLE PARAMETERS

TPH-E												
-------	--	--	--	--	--	--	--	--	--	--	--	--

SAMPLE RATE

0.1												
-----	--	--	--	--	--	--	--	--	--	--	--	--

- Notes:
- Sample rate for VOCs analysis = 0.1 - 0.2 L/minute
 - Sample rate for non-VOCs analysis = purge rate = 0.2 - 0.5 L/minute

Condition of Well: New
 Remarks: slow recharge

FIELD EQUIPMENT

pH Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	Number of Bottles <u>2</u>
Temperature Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	
Turbidity Meter <u>LaMotte 2020</u>	Serial Number <u>16903</u>	
Spec. Elec. Cond. Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	Field Notebook <u> </u>
ORP Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	Sample Method <u>Low Flow</u>
D.O. Meter <u>YSI 556</u>	Serial Number <u>O2D0577</u>	
Interface Probe <u>WLM</u>	Serial Number <u>6953</u>	
PID/OVA <u>Innova</u>	Serial Number <u>4.43</u>	
Pump <u>Sample Pro</u>	Serial Number <u>10250</u>	
Filter Apparatus <u>n/a</u>		Discharge Water Containerized <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



WELL DEVELOPMENT LOG

Project Name: CT09 - Sample 3 Well Number: 7
 Project Number: _____ Equipment: Ysi 556
 Date: 10-4-11
 Field Staff: L.D. - D.H.

	Before	Reference Point	After
Depth to Water (ft):	_____	_____	_____
Depth to Sediment (ft):	_____	_____	_____
Thickness of Sediment (ft):	_____	_____	_____
Total Depth of Well (ft):	_____	_____	_____
Diameter of Well Casing (ft):	_____	_____	_____
Water Column Height (ft):	_____	_____	_____

Casing Volume (gallons) = $\pi (\text{Diam. Of Casing}/2)^2 (\text{Water Column Height})(7.48 \text{ gals/ft}^3) =$ _____
 Total Volume Purged (gallons): _____
 Number of Casing Volumes Purged: _____

Time	Pump Rate (gpm)	Purge Vol. (gallons)	pH	Temperature (°C)	Turbidity (NTUs)	Conductivity (umhos)	Comments
10:15	2	1	7.1	22.4	-	1209	ORP / DO
10:17	Collect	Sample					-16.5 / 1.9

Notes: _____

Well Casing Volumes (gallons/foot)
 1-1/4" = 0.08 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.60



TETRA TECH

WELL DEVELOPMENT LOG

Project Name: CTOP - Sump 63 Well Number: 8
 Project Number: _____ Equipment: Ysi 554
 Date: 10-4-11
 Field Staff: L.D. - D.W.

	Before	Reference Point	After
Depth to Water (ft):	<u>9.25</u>	<u>TOL</u>	<u>9.44</u>
Depth to Sediment (ft):	_____	_____	_____
Thickness of Sediment (ft):	_____	_____	_____
Total Depth of Well (ft):	_____	_____	_____
Diameter of Well Casing (ft):	_____	_____	_____
Water Column Height (ft):	_____	_____	_____
Casing Volume (gallons) = π (Diam. Of Casing/2) ² (Water Column Height)(7.48 gals/ft ³) = _____ Total Volume Purged (gallons): _____ Number of Casing Volumes Purged: _____			

Time	Pump Rate (gpm)	Purge Vol. (gallons)	pH	Temperature (°C)	Turbidity (NTUs)	Conductivity (umhos)	Comments
<u>11/2</u>	<u>.2</u>	<u>.1</u>	<u>7.3</u>	<u>22.6</u>	<u>-</u>	<u>1209</u>	<u>DRP</u> <u>ΔO</u>
<u>11/5</u>	<u>Collect</u>	<u>Sample</u>					<u>DRP-37</u> <u>2.9</u>

Notes: _____

Well Casing Volumes (gallons/foot)

1-1/4" = 0.08 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.60



Project Name: CTD9 Sump 63
 Project Number: _____
 Date: 10-4-11
 Field Staff: C.D. - D.M.

Well Number: 9
 Equipment: Ysi 556

	Before	Reference Point	After
Depth to Water (ft):	<u>9.96</u>	<u>TOC</u>	
Depth to Sediment (ft):			
Thickness of Sediment (ft):			
Total Depth of Well (ft):			
Diameter of Well Casing (ft):			
Water Column Height (ft):			

Casing Volume (gallons) = π (Diam. Of Casing/2)²(Water Column Height)(7.48 gals/ft³) = _____
 Total Volume Purged (gallons): _____
 Number of Casing Volumes Purged: _____

Time	Pump Rate (gpm)	Purge Vol. (gallons)	pH	Temperature (°C)	Turbidity (NTUs)	Conductivity (umhos)	Comments
<u>1158</u>	<u>3</u>		<u>7.3</u>	<u>23.2</u>	<u>—</u>	<u>1225</u>	<u>ORP/DO</u>
<u>1200</u>	<u>Collect Sample</u>						<u>-26 / 1.7</u>
<u>1210</u>	<u>F.D.</u>						

Notes: _____

Well Casing Volumes (gallons/foot)
 1-1/4" = 0.08 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.60



WELL DEVELOPMENT LOG

Project Name: 909 Sump 63
Project Number: _____
Date: 10-4-11
Field Staff: L.O. - D.N.

Well Number: 10
Equipment: YSI 556

	Before	Reference Point	After
Depth to Water (ft):	<u>9.65</u>	<u>TOC</u>	
Depth to Sediment (ft):	_____	_____	_____
Thickness of Sediment (ft):	_____	_____	_____
Total Depth of Well (ft):	_____	_____	_____
Diameter of Well Casing (ft):	_____	_____	_____
Water Column Height (ft):	_____	_____	_____

Casing Volume (gallons) = π (Diam. Of Casing/2)²(Water Column Height)(7.48 gals/ft³) = _____

Total Volume Purged (gallons): _____

Number of Casing Volumes Purged: _____

Time	Pump Rate (gpm)	Purge Vol. (gallons)	pH	Temperature (°C)	Turbidity (NTUs)	Conductivity (umhos)	Comments
<u>1350</u>	<u>2</u>	<u>.2</u>	<u>6.2</u>	<u>23.4</u>	<u>-</u>	<u>1210</u>	<u>ORP / DO</u>
<u>1355</u>	<u>Collect</u>	<u>Sample</u>					<u>-36.8 / 2.4</u>

Notes: _____

Well Casing Volumes (gallons/foot)
1-1/4" = 0.08 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.60



Project Name: CT09 - Samples Well Number: 11
 Project Number: _____ Equipment: Ysi - 556
 Date: 10-4-11
 Field Staff: L.D. - D.H.

Depth to Water (ft): 8.15 Before Reference Point TOL After
 Depth to Sediment (ft): _____
 Thickness of Sediment (ft): _____
 Total Depth of Well (ft): _____
 Diameter of Well Casing (ft): _____
 Water Column Height (ft): _____

Casing Volume (gallons) = π (Diam. Of Casing/2)²(Water Column Height)(7.48 gals/ft³) = _____

Total Volume Purged (gallons): _____

Number of Casing Volumes Purged: _____

Time	Pump Rate (gpm)	Purge Vol. (gallons)	pH	Temperature (°C)	Turbidity (NTUs)	Conductivity (umhos)	ORP Comments
1445	2	.1	6.1	23.7	-	1241	-25.7 / 3.1
1447	Collect	sample					

Notes: _____

Well Casing Volumes (gallons/foot)
 1-1/4" = 0.08 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.60



Project Name: C09-Supp63
Project Number: _____
Date: 10-4-11
Field Staff: L.D. - D.N.

Well Number: 17
Equipment: YSI-SS6

Depth to Water (ft): Before 8.71 Reference Point TOC After
Depth to Sediment (ft): _____
Thickness of Sediment (ft): _____
Total Depth of Well (ft): _____
Diameter of Well Casing (ft): _____
Water Column Height (ft): _____

Casing Volume (gallons) = $\pi (\text{Diam. Of Casing}/2)^2 (\text{Water Column Height})(7.48 \text{ gals}/\text{ft}^3) =$ _____

Total Volume Purged (gallons): _____

Number of Casing Volumes Purged: _____

Time	Pump Rate (gpm)	Purge Vol. (gallons)	pH	Temperature (°C)	Turbidity (NTUs)	Conductivity (umhos)	Comments
1531	1.3	.1	6.1	22.9	-	1217	ORP / DO -41 1.1 mg/L
1532	Collect	Sample					

Notes: _____

Well Casing Volumes (gallons/foot)
1-1/4" = 0.08 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.60



Project Name: Coq - Sup 63
 Project Number: _____
 Date: _____
 Field Staff: L.D. - D.M.

Well Number: 15
 Equipment: VSI

	Before	Reference Point	After
Depth to Water (ft):	<u>7.14</u>	<u>TOC</u>	_____
Depth to Sediment (ft):	_____	_____	_____
Thickness of Sediment (ft):	_____	_____	_____
Total Depth of Well (ft):	_____	_____	_____
Diameter of Well Casing (ft):	_____	_____	_____
Water Column Height (ft):	_____	_____	_____

Casing Volume (gallons) = π (Diam. Of Casing/2)²(Water Column Height)(7.48 gals/ft³) = _____
 Total Volume Purged (gallons): _____
 Number of Casing Volumes Purged: _____

Time	Pump Rate (gpm)	Purge Vol. (gallons)	pH	Temperature (°C)	Turbidity (NTUs)	Conductivity (umhos)	Comments
<u>1025</u>	<u>.4</u>	<u>.1</u>	<u>7</u>	<u>22.4</u>	<u>-</u>	<u>1149</u>	<u>oeP / 00</u>
<u>1030</u>	<u>Collected Sample</u>						<u>-166 / 25</u>

Notes: _____

Well Casing Volumes (gallons/foot)
 1-1/4" = 0.08 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.60

Land Surveyors Report

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5654 South Elm Ave.
Fresno, CA 93706
Tel. 559.442.0883
Fax 559.442.0884
www.espls.com

MOFFET FEDERAL AIR BASE

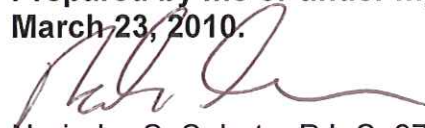
Survey Notes

1. All coordinates are CCS NAD 83, in US Survey feet.
2. All elevations are NGVD 88, in US Survey feet (accuracies +/- 0.1').
3. The horizontal datum is based on the California State Plane Coordinate System, Zone III, North American Datum, 1983 (NAD 83). Found bronze disk in concrete stamped ARC 15, PID Ames Research Center Control Monument and Found bronze disk in concrete at base of taxi light stamped MFA PID AC 6329 as per Record of Survey Map of Moffet Field, dated April 20, 2000 and recorded by Santa Clara County, CA. & National Geodetic Survey Data Sheet, see Coordinate Table 'A'.
4. The vertical datum is based on National Geodetic Vertical Datum 1988 (NGVD 88), found 3" bronze disk in concrete and stamped ARC 15, PID Ames Research Center Control Monument (elevation = 18.13 US ft, NGVD 88) as per field notes provided by TTECI representative, see Coordinate Table 'A'.
5. The field surveys were performed between March 17, 2010 and March 18, 2010
6. The field survey was performed using
 - Trimble S6 3" Total Station with TDS data collector
 - Trimble 5800 GPS RTK method.
 - Topcon Digital Level DL102.

COORDINATE TABLE 'A'

PID #	NORTHING NAD83	EASTING NAD83	ELEV. (NGVD88)
ARC-15	1977107.16'	6109913.94'	18.13' US FT
AC6329 MFA	1974631.59'	6111878.82'	

Prepared by me or under my direct supervision on
March 23, 2010.


Narinder S. Sahota, P.L.S. 8719
Project Manager

nsahota@espls.com

R:\LP\09029TX Moffett Field Bore Locations\survey\Survey Notes Mfft Fld1018978.doc



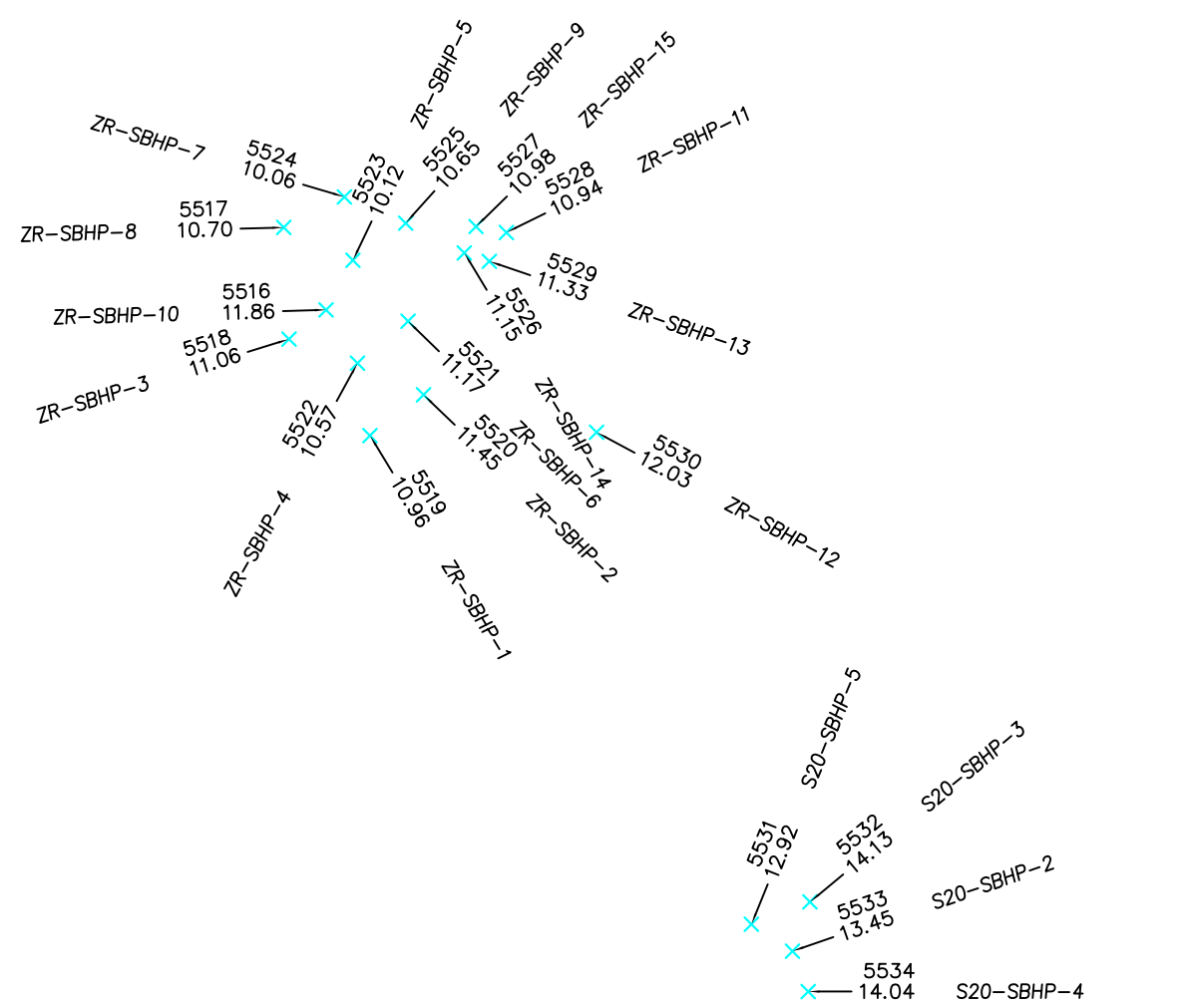
MOFFETT FEDERAL AIR BASE

TOPOGRAPHIC SURVEY

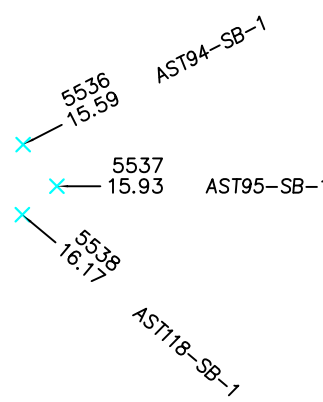
MOFFETT FIELD, CALIFORNIA

DATE OF SURVEY: March 18th, 2010

SHEET 1 OF 2



5535 14.82 S20-SBHP-1



SURVEY INSTRUMENTS

TRIMBLE - 5800 GPS (RTK) AND
TOPCON DIGITAL LEVEL DL-100

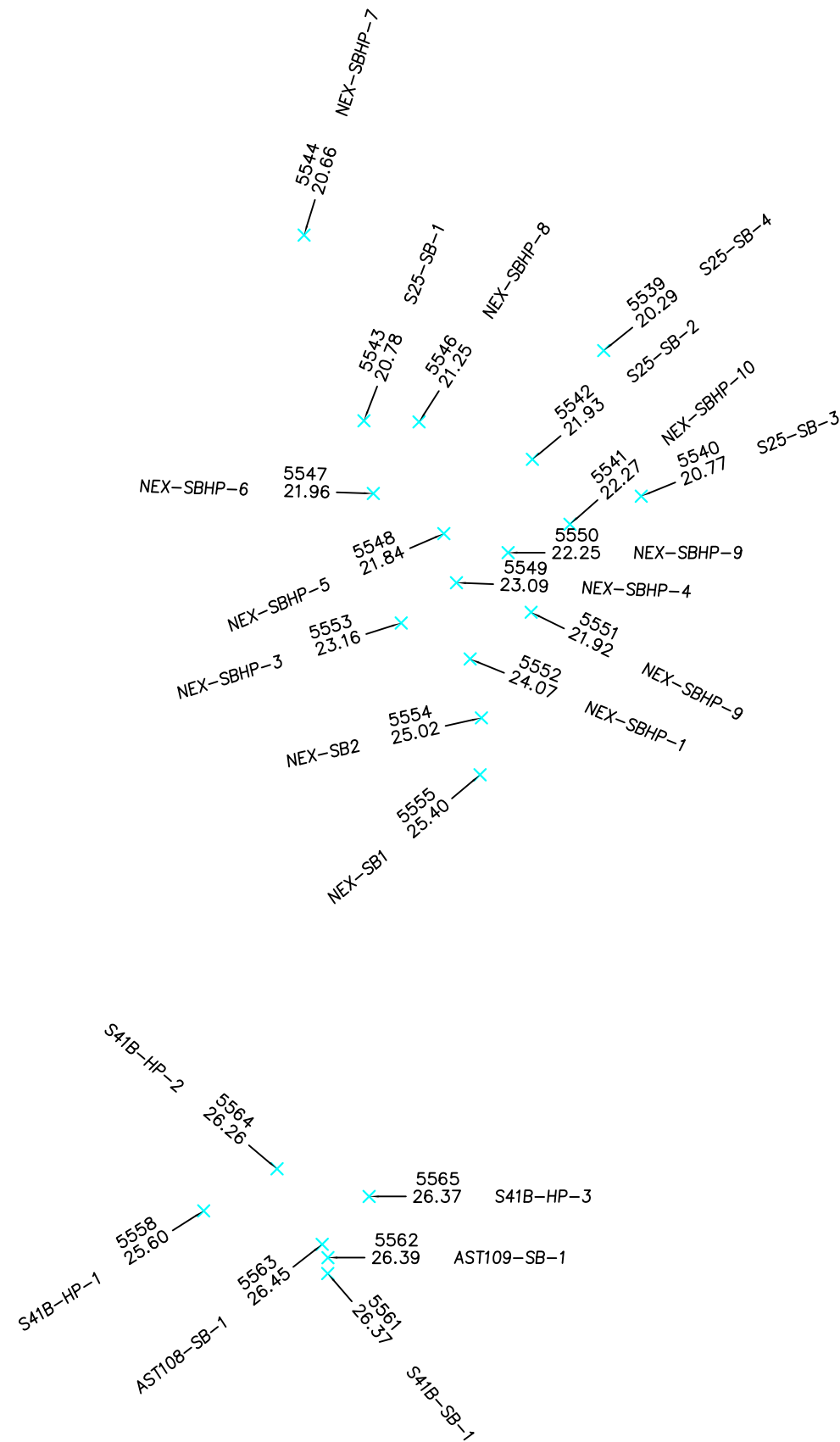
SURVEY CONTROL DATUM

HORIZONTAL (BASIS OF BEARINGS):

The horizontal datum is based on the California State Plane Coordinate System, Zone III, North American Datum, 1983 (NAD 83). Found bronze disk in concrete stamped ARC 15, PID Ames Research Center Control Monument and found bronze disk in concrete at base of taxi light stamped MFA 1996 "PID No. AC6329" as per Record of Survey Map of Moffett Field recorded in book 726, pages 33-43 dated April 20, 2000, Santa Clara County record and National Geodetic Survey Data Sheet.

VERTICAL (BENCH MARK):

The vertical datum is based on National Geodetic Vertical Datum 1988 (NGVD 88), found 3" bronze disk in concrete and stamped ARC 15, PID Ames Research Center Control Monument (elevation = 18.13 US ft, NGVD 88) as per field notes provided by TTECI representative.

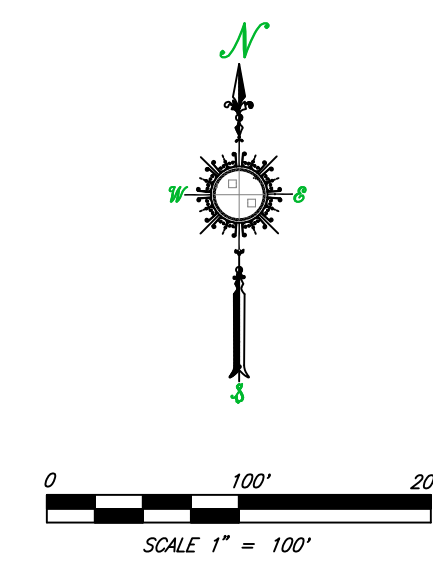
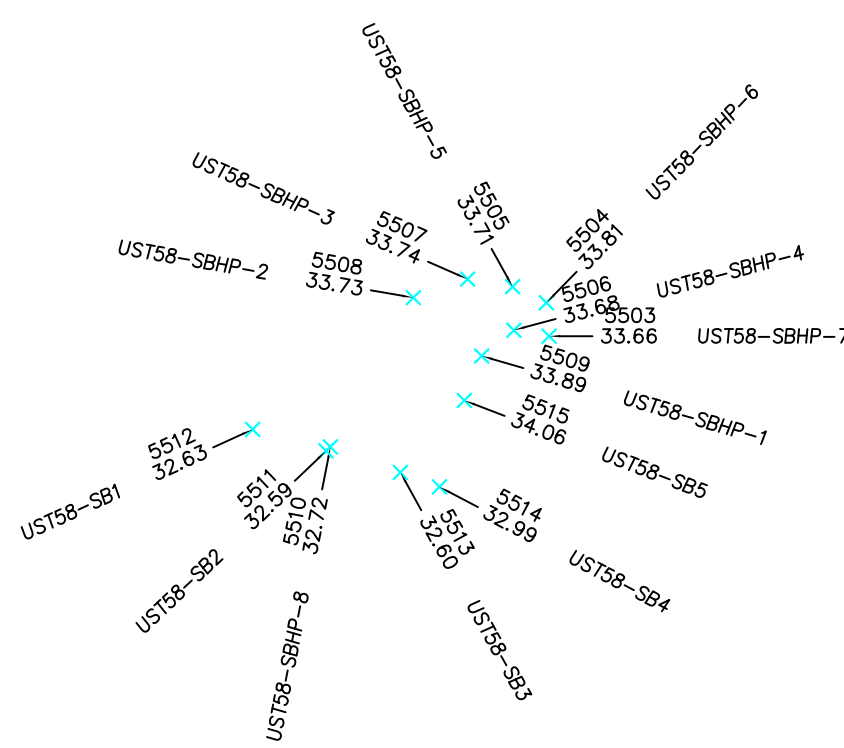


LEGEND

- 8000 POINT NAME
- 336.10 DESC. SPOT ELEVATION & DESCRIPTION
- ▲ SURVEY CONTROL POINT
- ◆ SURVEY BENCH MARK
- N+T NAIL AND TIN SURVEY POINT

LEGEND (existing features):

- ASPHALT CONCRETE (AC)
- CONCRETE (CONC)
- STRUCTURES(BLDG) w/OVERHANG
- FUTURE PROPOSED STRUCTURE
- ELEC (E) ELECTRICAL
- TEL (T) TELEPHONE OR COMMUNICATIONS
- UTILITY PULL BOX (PB)
- LIGHT (SL)
- UTILITY POLE (UP)
- GUY ANCHOR (GUY)
- APPROXIMATED UNDERGROUND UTILITY LINE(s)
- OVERHEAD UTILITY LINE(s)
- WATER LINE (6")
- IRRIGATION LINE (15')
- EXISTING FENCE
- EXISTING GROUND FLOW LINE
- EXISTING GROUND GRADE BREAK
- SPRINKLER HEAD (SPR)
- WATER METER (WM)
- WATER VALVE (WV)
- FIRE HYDRANT (FH)
- GAS METER (GM)
- GAS VALVE (GV)
- MONITORING WELL (MW)
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER LINE (6")
- STORM DRAIN MANHOLE
- DRAIN INLET
- STORM DRAIN LINE (18")
- TREE
- ANGLE POINT
- BEGIN
- BACK OF WALK
- CENTERLINE
- CORNER
- EXISTING GROUND OR TURF
- EDGE OF PAVEMENT
- EDGE OF TRAVELWAY
- FLOWLINE
- FINISH FLOOR
- FLIGHT PANEL
- GRADE BREAK
- MONOSTRIP
- IRRIGATION SPRINKLER
- SIDE WALK
- TOP BACK OF CURB
- TOP FACE OF CURB
- WHEEL CHAIR RAMP



	5654 S. Elm Ave. Easton, CA 95706	DATE OF SURVEY	03/18/2010
	Tel. 559.442.0883	ESP JOB Path	R:\LPA\090297X
	Fax. 559.442.0884	DRAWN BY	N.SAHOTA
	EMAIL	REVISION DATE	04/01/10
	info@espils.com	DRAWING NAME	Bore Locations.dwg

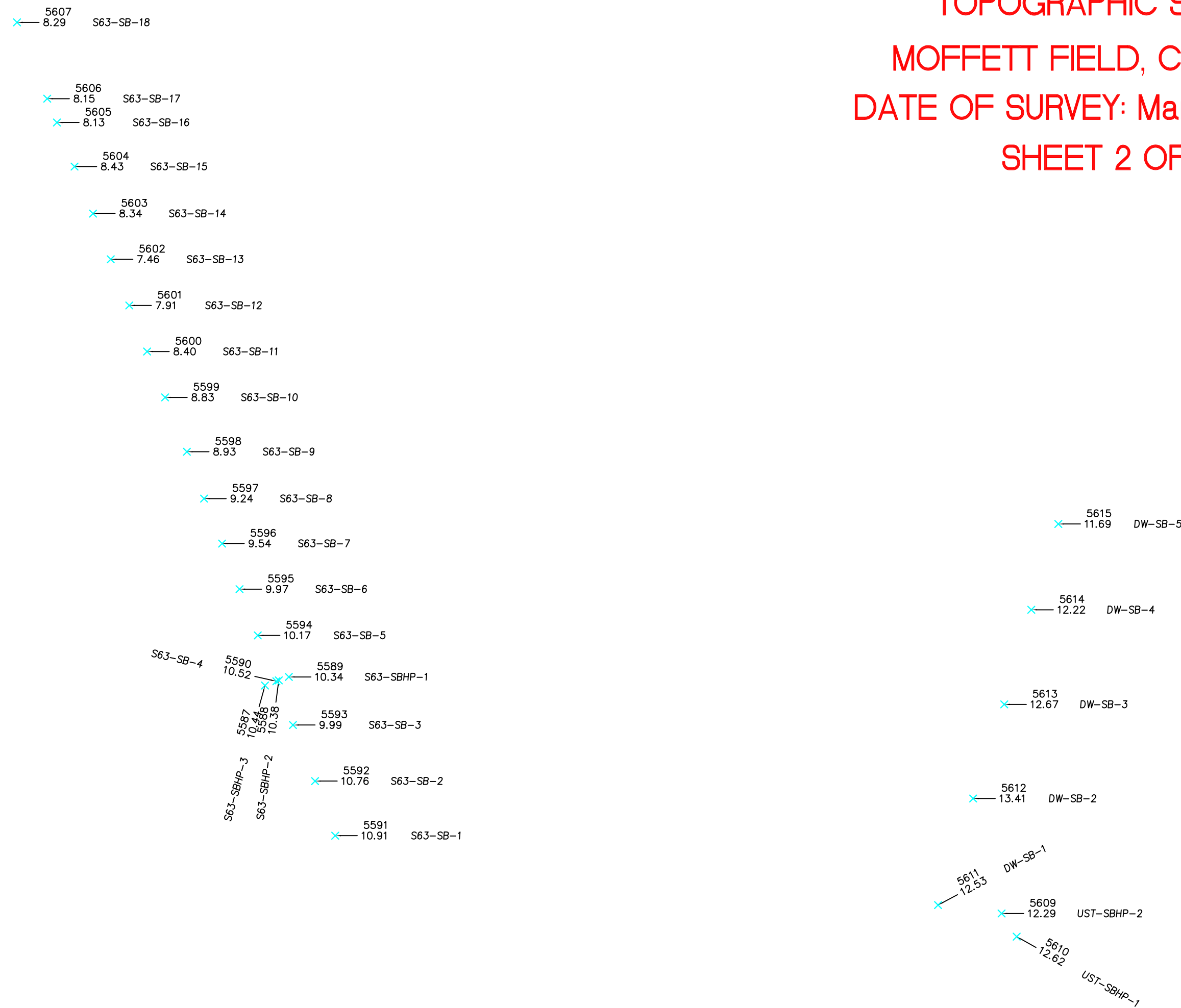
MOFFETT FEDERAL AIR BASE

TOPOGRAPHIC SURVEY

MOFFETT FIELD, CALIFORNIA

DATE OF SURVEY: March 18th, 2010

SHEET 2 OF 2



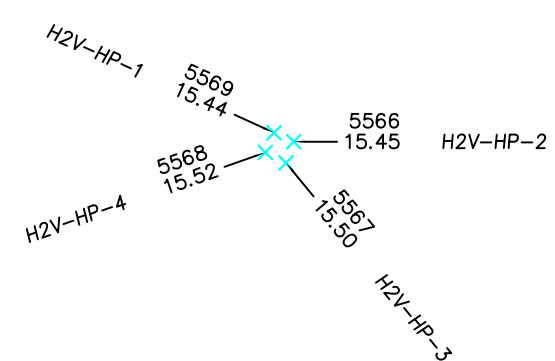
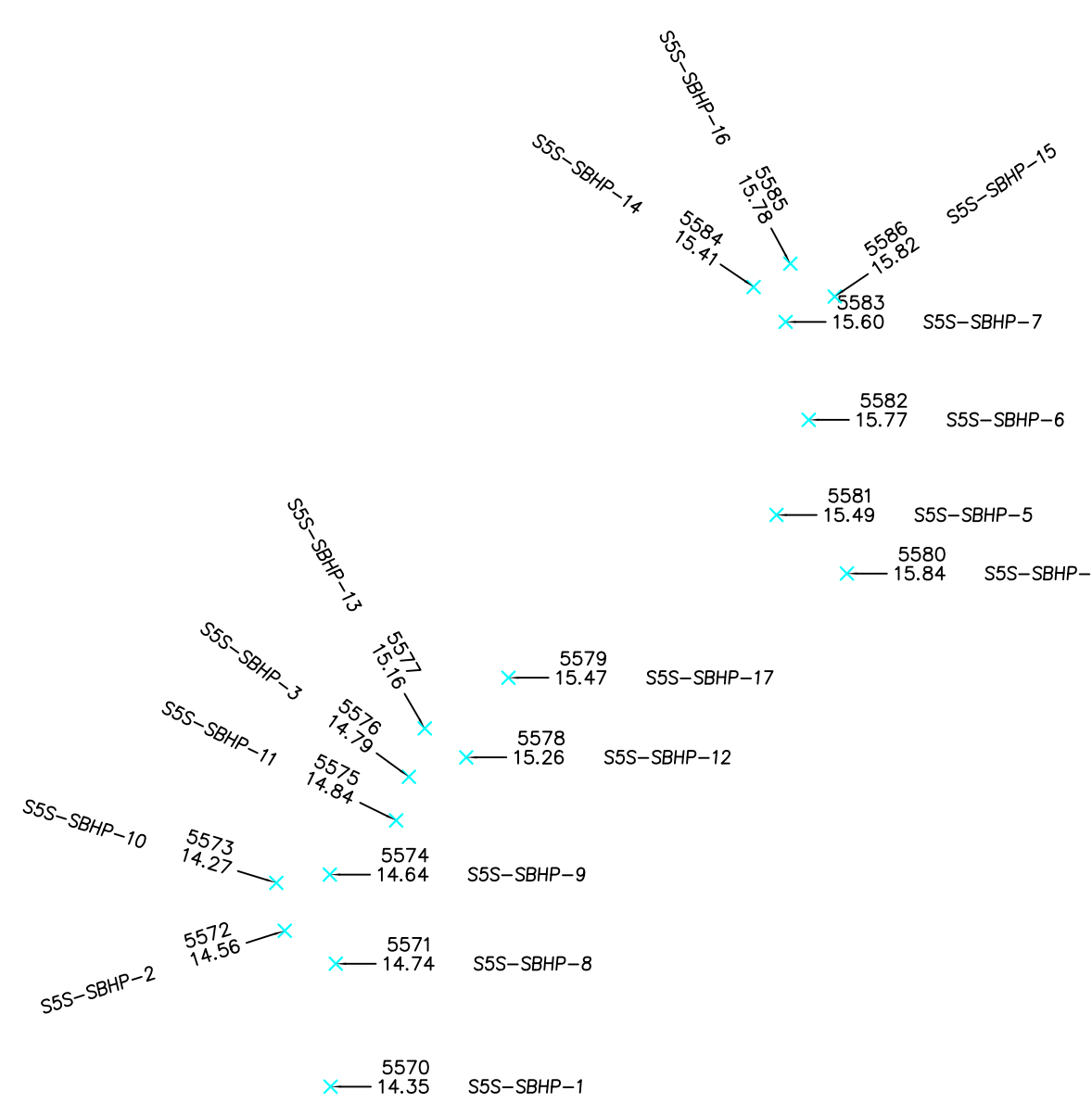
SURVEY INSTRUMENTS

TRIMBLE - 5800 GPS (RTK) AND
TOPCON DIGITAL LEVEL DL-100

SURVEY CONTROL DATUM

HORIZONTAL (BASIS OF BEARINGS):
The horizontal datum is based on the California State Plane Coordinate System, Zone III, North American Datum, 1983 (NAD 83). Found bronze disk in concrete stamped ARC 15, PID Ames Research Center Control Monument and found bronze disk in concrete at base of taxi light stamped MFA 1996 "PID No. AC6329" as per Record of Survey Map of Moffett Field recorded in book 726, pages 33-43 dated April 20, 2000, Santa Clara County record and National Geodetic Survey Data Sheet.

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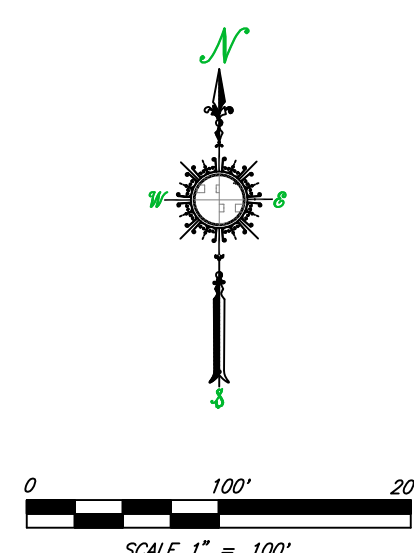
LEGEND (existing features):

	ASPHALT CONCRETE (AC)
	CONCRETE (CONC)
	STRUCTURES(BLDG) w/OVERHANG
	FUTURE PROPOSED STRUCTURE
ELEC (E) ELECTRICAL	
	TELEPHONE OR COMMUNICATIONS
	UTILITY PULL BOX (PB)
	LIGHT
	UTILITY POLE (UP)
	CITY ANCHOR (CA)
	APPROXIMATE UNDERGROUND UTILITY LINE(s)
	OVERHEAD UTILITY LINE(s)
	WATER LINE (6")
	IRRIGATION LINE (16")
	EXISTING FENCE
	EXISTING GROUND FLOW LINE
	EXISTING GROUND GRADE BREAK
	SPRINKLER HEAD (SPR)
	WATER METER (WM)
	WATER VALVE (WV)
	FIRE HYDRANT (FH)
	GAS METER (GM)
	GAS VALVE (GV)
	MONITORING WELL (MW)
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	SANITARY SEWER LINE (6")
	STORM DRAIN MANHOLE
	DRAIN INLET
	STORM DRAIN LINE (16")
	TREE
	ANGLE POINT
	BACK OF WALK
	CENTERLINE
	CORNER
	EXISTING GROUND OR TURF
	EDGE OF PAVEMENT
	EDGE OF TRAVELWAY
	FLOWLINE
	FINISH FLOOR
	FLIGHT PANEL
	GRADE BREAK
	MOWSTRIP
	IRRIGATION SPRINKLER
	SIDE WALK
	TOP BACK OF CURB
	TOP FACE OF CURB
	WHEEL CHAIR RAMP

LEGEND

8000
— 336.10 DESC.

N+T
POINT NAME
SPOT ELEVATION & DESCRIPTION
SURVEY CONTROL POINT
SURVEY BENCH MARK
NAIL AND TIN SURVEY POINT



	5654 S. Elm Ave. Easton, CA 95706	DATE OF SURVEY	03/18/2010
	Tel. 559.442.0883	ESP JOB PATH	R:\PL\090297X
	Fax. 559.442.0884	DESIGN BY	N.SAHOTA
	EMAIL	REVISION DATE	04/01/10
	info@espils.com	DRAWING NAME	Bore Locations.dwg

Date of Surveys 3-17-10,
3-18-10

Moffet Field
Bore Locations
NAD83

Survey Crew SE/JA

Esp Pt Name	Northing	Easting	Elevation	Description
5503	1973878.767	6111092.271	33.66	UST58-SBHP-7
5504	1973896.189	6111090.868	33.81	UST58-SBHP-6
5505	1973904.524	6111073.295	33.71	UST58-SBHP-5
5506	1973881.891	6111073.946	33.68	UST58-SBHP-4
5507	1973908.496	6111049.809	33.74	UST58-SBHP-3
5508	1973898.833	6111021.633	33.73	UST58-SBHP-2
5509	1973868.467	6111057.193	33.89	UST58-SBHP-1
5510	1973821.099	6110978.367	32.72	UST58-SBHP-8
5511	1973819.023	6110976.106	32.59	UST58-SB2
5512	1973830.204	6110937.868	32.63	UST58-SB1
5513	1973807.828	6111014.807	32.60	UST58-SB3
5514	1973800.275	6111035.210	32.99	UST58-SB4
5515	1973845.290	6111048.078	34.06	UST58-SB5
5516	1978254.799	6110272.903	11.86	ZR-SBHP-10
5517	1978297.838	6110250.810	10.70	ZR-SBHP-8
5518	1978239.482	6110253.543	11.06	ZR-SBHP-3
5519	1978189.118	6110295.854	10.96	ZR-SBHP-1
5520	1978210.429	6110323.831	11.45	ZR-SBHP-2
5521	1978248.873	6110315.719	11.17	ZR-SBHP-6
5522	1978226.923	6110289.347	10.57	ZR-SBHP-4
5523	1978280.660	6110286.943	10.12	ZR-SBHP-5
5524	1978313.791	6110282.492	10.06	ZR-SBHP-7
5525	1978300.059	6110314.471	10.66	ZR-SBHP-9
5526	1978284.545	6110345.102	11.15	ZR-SBHP-14
5527	1978298.305	6110351.199	10.98	ZR-SBHP-15
5528	1978295.205	6110367.092	10.94	ZR-SBHP-11
5529	1978280.134	6110358.190	11.33	ZR-SBHP-13
5530	1978190.835	6110414.167	12.03	ZR-SBHP-12
5531	1977933.821	6110494.996	12.92	S20-SBHP-5
5532	1977945.505	6110525.575	14.13	S20-SBHP-3
5533	1977919.799	6110516.449	13.45	S20-SBHP-2
5534	1977898.702	6110524.668	14.04	S20-SBHP-4
5535	1977675.946	6110519.039	14.82	S20-SBHP-1
5536	1977541.373	6110561.103	15.59	AST94-SB-1
5537	1977519.686	6110578.683	15.93	AST95-SB-1
5538	1977504.882	6110560.628	16.17	AST118-SB-1
5539	1975887.610	6110643.345	20.29	S25-SB-4
5540	1975798.140	6110666.393	20.77	S25-SB-3
5541	1975780.934	6110622.602	22.27	NEX-SBHP-10
5542	1975820.807	6110599.507	21.93	S25-SB-2
5543	1975844.510	6110496.001	20.78	S25-SB-1
5544	1975958.590	6110459.235	20.66	NEX-SBHP-7
5546	1975843.787	6110529.862	21.26	NEX-SBHP-8
5547	1975799.800	6110501.809	21.96	NEX-SBHP-6
5548	1975775.181	6110545.094	21.85	NEX-SBHP-5
5549	1975745.018	6110552.885	23.09	NEX-SBHP-4
5550	1975763.469	6110584.586	22.25	NEX-SBHP-9
5551	1975726.870	6110598.736	21.92	NEX-SBHP-9
5552	1975698.164	6110561.244	24.07	NEX-SBHP-1
5553	1975720.270	6110518.901	23.16	NEX-SBHP-3
5554	1975661.963	6110568.226	25.02	NEX-SB2

Date of Surveys 3-17-10,
3-18-10

Moffet Field
Bore Locations
NAD83

Survey Crew SE/JA

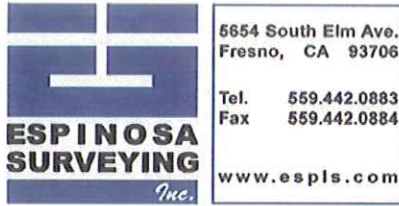
Esp Pt Name	Northing	Easting	Elevation	Description
5555	1975626.978	6110567.390	25.40	NEX-SB1
5558	1975359.116	6110397.573	25.60	S41B-HP-1
5561	1975320.611	6110473.763	26.37	S41B-SB-1
5562	1975330.393	6110473.908	26.39	AST109-SB-1
5563	1975338.570	6110470.363	26.45	AST108-SB-1
5564	1975384.912	6110442.621	26.26	S41B-HP-2
5565	1975367.971	6110499.217	26.37	S41B-HP-3
5566	1976801.802	6113578.039	15.45	H2V-HP-2
5567	1976790.710	6113574.033	15.50	H2V-HP-3
5568	1976796.190	6113563.281	15.52	H2V-HP-4
5569	1976806.488	6113567.781	15.44	H2V-HP-1
5570	1976912.370	6114491.045	14.35	S5S-SBHP-1
5571	1976981.444	6114493.928	14.74	S5S-SBHP-8
5572	1976999.967	6114465.262	14.56	S5S-SBHP-2
5573	1977026.900	6114460.519	14.27	S5S-SBHP-10
5574	1977031.539	6114490.610	14.64	S5S-SBHP-9
5575	1977061.985	6114527.843	14.84	S5S-SBHP-11
5576	1977086.439	6114535.024	14.79	S5S-SBHP-3
5577	1977113.675	6114543.919	15.16	S5S-SBHP-13
5578	1977097.395	6114567.220	15.26	S5S-SBHP-12
5579	1977142.139	6114590.914	15.47	S5S-SBHP-17
5580	1977200.713	6114781.091	15.84	S5S-SBHP-4
5581	1977233.603	6114741.559	15.49	S5S-SBHP-5
5582	1977287.081	6114759.696	15.77	S5S-SBHP-6
5583	1977342.100	6114746.671	15.60	S5S-SBHP-7
5584	1977361.737	6114728.711	15.41	S5S-SBHP-14
5585	1977374.843	6114749.318	15.78	S5S-SBHP-16
5586	1977356.350	6114774.258	15.82	S5S-SBHP-15
5587	1978349.664	6114237.660	10.44	S63-SBHP-3
5588	1978354.861	6114251.771	10.38	S63-SBHP-2
5589	1978358.379	6114262.002	10.34	S63-SBHP-1
5590	1978353.958	6114249.255	10.52	S63-SB-4
5591	1978196.314	6114309.339	10.91	S63-SB-1
5592	1978252.058	6114288.771	10.76	S63-SB-2
5593	1978309.321	6114266.231	9.99	S63-SB-3
5594	1978400.775	6114230.310	10.17	S63-SB-5
5595	1978448.014	6114211.662	9.97	S63-SB-6
5596	1978494.570	6114193.894	9.54	S63-SB-7
5597	1978540.461	6114175.494	9.24	S63-SB-8
5598	1978588.325	6114157.978	8.93	S63-SB-9
5599	1978643.796	6114135.725	8.83	S63-SB-10
5600	1978690.622	6114117.386	8.40	S63-SB-11
5601	1978737.684	6114099.165	7.91	S63-SB-12
5602	1978784.801	6114080.263	7.46	S63-SB-13
5603	1978831.490	6114062.153	8.34	S63-SB-14
5604	1978879.458	6114043.309	8.43	S63-SB-15
5605	1978924.476	6114025.365	8.13	S63-SB-16
5606	1978948.771	6114015.469	8.15	S63-SB-17
5607	1979026.694	6113984.591	8.29	S63-SB-18
5608	1981383.515	6112807.558	2.55	AST102-SB-1
5609	1978116.867	6114989.366	12.29	UST-SBHP-2

Date of Surveys 3-17-10,
3-18-10

Moffet Field
Bore Locations
NAD83

Survey Crew SE/JA

Esp Pt Name	Northing	Easting	Elevation	Description
5610	1978093.203	6115004.774	12.62	UST-SBHP-1
5611	1978125.454	6114924.485	12.53	DW-SB-1
5612	1978234.267	6114960.335	13.41	DW-SB-2
5613	1978330.361	6114992.087	12.67	DW-SB-3
5614	1978426.947	6115019.668	12.22	DW-SB-4
5615	1978514.565	6115047.281	11.69	DW-SB-5



MOFFET FEDERAL AIR BASE

Survey Notes

1. All coordinates are CCS NAD 83, in US Survey feet.
2. All elevations are NGVD 88, in US Survey feet (accuracies +/- 0.1').
3. The horizontal datum is based on the California State Plane Coordinate System, Zone III, North American Datum, 1983 (NAD 83). Found bronze disk in concrete stamped ARC 15, PID Ames Research Center Control Monument and Found bronze disk in concrete at base of taxi light stamped MFA PID AC 6329 as per Record of Survey Map of Moffet Field, dated April 20, 2000 and recorded by Santa Clara County, CA. & National Geodetic Survey Data Sheet, see Coordinate Table 'A'.
4. The vertical datum is based on National Geodetic Vertical Datum 1988 (NGVD 88), found 3" bronze disk in concrete and stamped ARC 15 , PID Ames Research Center Control Monument (elevation = 18.13 US ft, NGVD 88) as per field notes provided by TTECI representative, see Coordinate Table 'A'.
5. The field surveys were performed between April 12, 2011 and December 20, 2011
6. The field survey was performed using
 - Trimble S6 3" Total Station with TDS data collector
 - Trimble 5800 GPS RTK method.
 - Topcon Digital Level DL102.

COORDINATE TABLE 'A'

PID #	NORTHING NAD83	EASTING NAD83	ELEV. (NGVD88)
ARC-15	1977107.16'	6109913.94'	18.13' US FT
AC6329 MFA	1974631.59'	6111878.82'	

Prepared by me or under my direct supervision on
December 30, 2011.

Joel R. Joyner, P.L.S. 8318
Project Surveyor

bids@espls.com

R:\LP\09029TX Moffett Field Bore Locations\survey\Survey Notes Mfft Fld1047976.doc



Date of Survey 12-20-11

Moffet Field
Bore Locations Monitoring Wells
NAD 83

Survey Crew SE/JL

Esp Pt Name	Northing	Easting	Elevation	Description
5655	1978403.338	6114230.385	9.99	S63-SBHP-16
5656	1978449.173	6114214.972	9.66	S63-SBHP-15
5657	1978448.038	6114213.295	9.86	S63-SBHP-13
5658	1978446.940	6114209.205	9.90	S63-SBHP-14
5659	1978252.144	6114292.115	10.58	S63-SBHP-9
5660	1978250.631	6114287.788	10.63	S63-SBHP-7
5661	1978249.363	6114284.031	10.67	S63-SBHP-8
5662	1978307.367	6114261.747	9.85	S63-SBHP-12
5663	1978308.376	6114265.152	9.89	S63-SBHP-10
5664	1978309.821	6114270.342	9.88	S63-SBHP-11
5667	1973892.132	6111064.138	33.75	MW58-1 RIM
5668	1973891.809	6111064.097	33.59	MW58-1 TOP CASING
5669	1973892.641	6111064.401	33.72	MW58-1 EG
5670	1973932.894	6110979.447	33.92	MWSI-2 RIM
5671	1973932.588	6110979.453	33.66	MWSI-2 TOP CASING
5672	1973933.415	6110979.582	33.82	MWSI-2 EG

Date of Survey 4-12-11

Survey Crew SE/JA

Esp Pt Name	Northing	Easting	Elevation	Description
5616	1973924.458	6111111.074	33.82	W58-4 TOP CASE
5617	1973924.762	6111111.051	34.00	W58-4 TOP RIM
5618	1973925.756	6111111.146	33.99	W58-4 EG
5619	1973897.997	6111124.327	33.34	W58-5 TOP CASE
5620	1973898.331	6111124.321	33.93	W58-5 TOP RIM
5621	1973897.508	6111123.108	33.86	W58-5 EG
5622	1973899.109	6111081.535	33.19	W58-2 TOP CASE
5623	1973899.403	6111081.424	33.79	W58-2 TOP RIM
5624	1973901.049	6111081.463	33.75	W58-2 EG
5625	1973932.883	6111062.146	33.69	W58-3 TOP CASE
5626	1973933.012	6111062.142	34.10	W58-3 TOP RIM
5627	1973933.983	6111061.837	34.12	W58-3 EG
5628	1978348.757	6110204.672	9.58	WZR-7 TOP CASE
5629	1978349.104	6110204.682	10.25	WZR-7 TOP RIM
5630	1978349.754	6110203.925	9.99	WZR-7 EG
5631	1978297.654	6110163.241	10.77	WZR-8 TOP CASE
5632	1978297.893	6110163.294	11.28	WZR-8 TOP RIM
5633	1978298.965	6110162.847	11.10	WZR-8 EG
5634	1978228.131	6110292.552	11.00	WZR-4 TOP CASE
5635	1978228.282	6110292.590	11.41	WZR-4 TOP RIM
5636	1978230.518	6110292.360	11.02	WZR-4 EG
5637	1978311.080	6110286.201	9.68	WZR-5 TOP CASE
5638	1978311.374	6110286.214	10.29	WZR-5 TOP RIM
5639	1978312.407	6110285.753	10.04	WZR-5 EG
5640	1978358.510	6110282.746	9.46	WZR-6 TOP CASE
5641	1978358.870	6110282.713	10.01	WZR-6 TOP RIM
5642	1978360.074	6110282.638	9.76	WZR-6 EG
5643	1978234.399	6110300.916	11.14	ZR-XP-4
5644	1978233.942	6110285.308	10.98	ZR-XP-3
5645	1978206.544	6110287.276	11.10	ZR-XP-2
5646	1978207.186	6110302.547	11.19	ZR-XP-1
5647	1977175.816	6114715.933	15.49	S5S-SBHP-18
5648	1978407.462	6114242.103	9.99	S63-SBHP-6
5649	1978403.478	6114230.322	10.08	S63-SBHP-5
5650	1978396.300	6114216.490	10.11	S63-SBHP-4
5651	1977201.377	6114569.959	14.76	S5S-SBHP-19
5652	1977174.094	6114498.089	15.00	S5S-SBHP-20
5653	1977131.992	6114436.248	14.96	S5S-SBHP-21

Date of Survey 12-20-11

Moffet Field
MW Bores Locations
NAD27

Survey Crew SE/JL

Converted by Corpscon Version 6.0.1 USACE

Esp Pt Name	Northing	Easting	Elevation	Description
5655	337995.567	1552864.467	7.30	S63-SBHP-16
5656	338041.402	1552849.054	6.97	S63-SBHP-15
5657	338040.267	1552847.377	7.17	S63-SBHP-13
5658	338039.169	1552843.287	7.21	S63-SBHP-14
5659	337844.373	1552926.198	7.89	S63-SBHP-9
5660	337842.860	1552921.871	7.94	S63-SBHP-7
5661	337841.592	1552918.114	7.98	S63-SBHP-8
5662	337899.596	1552895.830	7.16	S63-SBHP-12
5663	337900.605	1552899.235	7.20	S63-SBHP-10
5664	337902.050	1552904.425	7.19	S63-SBHP-11
5667	333484.348	1549698.245	31.05	MW58-1 RIM
5668	333484.025	1549698.204	30.89	MW58-1 TOP CASING
5669	333484.857	1549698.508	31.02	MW58-1 EG
5670	333525.109	1549613.554	31.22	MWSI-2 RIM
5671	333524.803	1549613.560	30.96	MWSI-2 TOP CASING
5672	333525.630	1549613.689	31.12	MWSI-2 EG

Nonhazardous Waste Manifests

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NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
CA0170023238

2. Page 1 of
1

3. Emergency Response Phone
415-552-1815

4. Waste Tracking Number
002609

5. Generator's Name and Mailing Address

US Navy BRAC PMO-W (Moffett)
1 Avenue of the Palms, Ste. 161
San Francisco, CA 94130 USA

Generator's Site Address (if different than mailing address)

Moffett Field NAS, Zook Rd. @ Taxiway Bravo
Moffett Field, CA 94035 USA

Generator's Phone: 15-743-4713

6. Transporter 1 Company Name

~~Eighteen Trucking~~ **HERNANDEZ TRUCKING**

U.S. EPA ID Number
CA0000174699
CAR990143875

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Altamont Landfill
10840 Altamont Pass Rd.
Livermore, CA 94550 USA

U.S. EPA ID Number

CAD991382732

Facility's Phone: 925-440-6340

9. Waste Shipping Name and Description

1. Non-hazardous waste, solid (soil with low level TPH contamination)
Non-DOT regulated

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1

CM

13

Y

13. Special Handling Instructions and Additional Information

Tracking #: 3161

Generator contact: Doug DeLong, E CIV OASN (E16E), BRAC PMO West Douglas.delong@navy.mil

Wear proper PPE when handling waste

WM Altamont Profile #: 602673CA

Bin 1

LD 2708

Weight tickets and information as requested by

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Dan GARY J. MUNEKAWA

Signature

Dan J. MuneKawa

Month Day Year

11 11 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

AGOSTA HERNANDEZ

Signature

[Signature]

Month Day Year

11 19 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
CA0170023238

2. Page 1 of
1

3. Emergency Response Phone
415-552-1815

4. Waste Tracking Number
002604

5. Generator's Name and Mailing Address
US Navy BRAC PMO-W (Moffett)
1 Avenue of the Palms, Ste. 181
San Francisco, CA 94130 USA

Generator's Site Address (if different than mailing address)
Moffett Field NAS, Zook Rd. @ Taxiway Bravo
Moffett Field, CA 94035 USA

Generator's Phone: 415-743-4713

6. Transporter 1 Company Name
Eighteen Trucking J. Cushmanbeck Trucking

U.S. EPA ID Number
CAL00079409
CAR000143875

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Altamont Landfill
10840 Altamont Pass Rd.
Livermore, CA 94550 USA

U.S. EPA ID Number
CA0981382732

Facility's Phone: 925-448-6349

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1. Non-hazardous waste, solid (soil with TPH+JP5 and TPH+Kerosene contamination)
Non-DOT regulated

1

GM

13

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Tracking #: 13136 Generator contact: Doug DeLong, E CIV OASN (E1&E), BRAC PMO West Douglas.delong@navy.mil
Wear proper PPE when handling waste WM Altamont Profile #: 602674CA Bin 2

Waste tickets and receipts are as requested by generator.

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

GARY J. MUNEKAWA

[Signature]

11 11 11

INT'L

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

11 11 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
CA0170023238

2. Page 1 of
1

3. Emergency Response Phone
415-552-1818

4. Waste Tracking Number

002605

5. Generator's Name and Mailing Address

US Navy BRAC PMO-W (Moffett)
1 Avenue of the Palms, Ste 181
San Francisco, CA 94130 USA

Generator's Site Address (if different than mailing address)

Moffett Field NAS, Zock Rd. @ Taxiway Bravo
Moffett Field, CA 94035 USA

Generator's Phone: 415-743-4713

6. Transporter 1 Company Name

Eighteen Trucking HERNANDEZ TRUCKING

U.S. EPA ID Number

CA000170297
CARC00143875

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Altamont Landfill
10840 Altamont Pass Rd.
Livermore, CA 94550 USA

U.S. EPA ID Number

CAD981382732

Facility's Phone: 925-449-6349

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt/Vol.

1. Non-hazardous waste, solid (soil with TPH-JP5 and TPH-Kerosene contamination)
Non-DOT regulated

1

CM

13

Y

13. Special Handling Instructions and Additional Information

Tracking #: 0157

Generator contact: Doug DeLong, E CIV OASN (EISE), BRAC PMO West Douglas.delong@navy.mil

Wear proper PPE when handling waste

WM Altamont Profile #: 6D2874CA

Bin 3

JC-8

Weight tickets and confirmation of disposal requested by generator

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

GARY J. MUNEKAWA

Signature

Gary J. MuneKawa

Month Day Year

11 11 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

9. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

HECTOR HERNANDEZ

Signature

Hector Hernandez

Month Day Year

11 19 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
CA0170023238

2. Page 1 of
1

3. Emergency Response Phone
415-552-1818

4. Waste Tracking Number
002606

5. Generator's Name and Mailing Address
US Navy BRAC PMO-W (Moffett)
1 Avenue of the Palms, Ste. 161
San Francisco, CA 94130 USA

Generator's Site Address (if different than mailing address)
Moffett Field NAS, Zook Rd. @ Taxiway Bravo
Moffett Field, CA 94035 USA

Generator's Phone: 415-743-4713

6. Transporter 1 Company Name
Eighteen Trucking HERNANDEZ TRUCKING

U.S. EPA ID Number
CA00013875

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Altamont Landfill
10840 Altamont Pass Rd.
Livermore, CA 94550 USA

U.S. EPA ID Number
CA0981382732

Facility's Phone: 925-449-6349

9. Waste Shipping Name and Description
1. Non-hazardous waste, solid (soil with TPH-IP5 and TPH-Kerosene contamination)
Non-DOT regulated

10. Containers	11. Total Quantity	12. Unit Wt./Vol.
1	13	Y

13. Special Handling Instructions and Additional Information
Tracking #: 4154 Generator contact: Doug DeLong, E CIV OASN (EISE), BRAC PMO West Douglas.delong@navy.mil
Wear proper PPE when handling waste WM Altamont Profile #: 602674CA Bin 4 LD#0
weight + tickets and verification of disposal requested by generator.

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name: GARY J. MUNKERAWA Signature: Gary J. Munkerawa Month: 1 Day: 19 Year: 11

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: HECTOR HERNANDEZ Signature: HECTOR HERNANDEZ Month: 1 Day: 19 Year: 11

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Signature: Month: Day: Year:

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number CA0170023236	2. Page 1 of 1	3. Emergency Response Phone 415-552-1818	4. Waste Tracking Number 002607
5. Generator's Name and Mailing Address US Navy BRAC PMO-W (Moffett) 1 Avenue of the Palms, Ste. 181 San Francisco, CA 94130 USA			Generator's Site Address (if different than mailing address) Moffett Field NAS, Zock Rd. @ Taxiway Bravo Moffett Field, CA 94035 USA		
Generator's Phone: 415-743-4713					
6. Transporter 1 Company Name J. C. Cushman Trucking Eighteen Trucking			U.S. EPA ID Number CAL000274409 GAR000443875		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Altamont Landfill 10840 Altamont Pass Rd. Livermore, CA 94550 USA			U.S. EPA ID Number CAD981382732		
Facility's Phone: 925-449-8349					
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. Non-hazardous waste, solid (soil with TPH-JP5 and TPH-Kerosene contamination) Non-DOT regulated		1	CM	13	Y
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Tracking #: 2159 Generator contact: Doug DeLong, E CIV OASN (E&E), BRAC PMO West Douglas.delong@navy.mil Wear proper PPE when handling waste WM Altamont Profile #: 602674CA Bin 5 weight tickets and cost of removal of disposal requested by generator					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name GARVI J MUNEKAWA			Signature [Signature]		Month Day Year 1 19 11
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name J. C. Cushman			Signature [Signature]		Month Day Year 1 19 11
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
17b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____					
Facility's Phone: _____					
17c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name			Signature		Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
CA0170023238

2. Page 1 of
1

3. Emergency Response Phone
415-552-1818

4. Waste Tracking Number
002610

5. Generator's Name and Mailing Address
US Navy BRAC PMO-W (Moffett)
1 Avenue of the Palms, Ste. 161
San Francisco, CA 94130 USA

Generator's Site Address (if different than mailing address)
Moffett Field NAS, Zook Rd @ Taxiway Bravo
Moffett Field, CA 94035 USA

Generator's Phone: 415-743-4713

6. Transporter 1 Company Name
Eighteen Trucking

U.S. EPA ID Number
CA000176644
CAR000143875

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Altamont Landfill
10840 Altamont Pass Rd.
Livermore, CA 94550 USA

U.S. EPA ID Number
CAD981382732

Facility's Phone: 925-449-0349

9. Waste Shipping Name and Description

10. Containers

No. Type

11. Total Quantity

12. Unit Wt/Vol.

1. Non-hazardous waste, solid (soil with low level TPH contamination)
Non-DOT regulated

1 100

13

Y

13. Special Handling Instructions and Additional Information

Tracking #: 4102 Generator contact: Doug DeLong, E CIV OASH (E1&E), BRAC PMO West Douglas.delong@navy.mil

Wear proper PPE when handling waste WM Altamont Profile #: 002678CA

Bin 6 LD 1101

weight labels and instructions of disposal requested by generator

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

GARY J. MUNEKAWA

[Signature]

1 19 11

15. International Shipments Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

1 19 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CA0170023239
 2. Page 1 of 1
 3. Emergency Response Phone: 415-552-1613
 4. Waste Tracking Number: 002611

5. Generator's Name and Mailing Address: US Navy BRAC PMO-W (Moffett)
 1 Avenue of the Palms, Ste. 161
 San Francisco, CA 94130 USA
 Generator's Site Address (if different than mailing address): Moffett Field NAS, Zook Rd. @ Taxiway Bravo
 Moffett Field, CA 94035 USA
 Generator's Phone: 15-743-4713

6. Transporter 1 Company Name: J. Cushenberry Trucking
 Eighteen Trucking Inc.
 U.S. EPA ID Number: CA000074409
 CA00000143875

7. Transporter 2 Company Name: _____
 U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: Altamont Landfill
 10840 Altamont Pass Rd.
 Livermore, CA 94550 USA
 Facility's Phone: 925-448-0349
 U.S. EPA ID Number: CAD981382732

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. Non-hazardous waste, solid (soil with low level TPH contamination) Non-DOT regulated	1	CM	13	Y	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information: Tracking #: 105
 Generator contact: Doug DeLong, E CIV OASN (E1&E), BRAC PMO West Douglas.delong@navy.mil
 Wear proper PPE when handling waste WM Altamont Profile # 602678CA B-17
 Weight tickets and certification of disposal requested by generator.

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offor's Printed/Typed Name: GARY J MURPHY
 Signature: Gary J Murphy
 Month: 1 Day: 19 Year: 11

GENERATOR

15. International Shipments: Import to U.S. Export from U.S.
 Transporter Signature (for exports only): _____
 Port of entry/exit: _____
 Date leaving U.S.: _____

16. Transporter Acknowledgment of Receipt of Materials
 Transporter 1 Printed/Typed Name: Jon Cushenberry
 Signature: [Signature]
 Month: 1 Day: 19 Year: 11
 Transporter 2 Printed/Typed Name: _____
 Signature: _____
 Month: _____ Day: _____ Year: _____

TRANSPORTER

17. Discrepancy
 17a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection
 Manifest Reference Number: _____

17b. Alternate Facility (or Generator): _____
 U.S. EPA ID Number: _____
 Facility's Phone: _____

17c. Signature of Alternate Facility (or Generator): _____
 Month: _____ Day: _____ Year: _____

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
 Printed/Typed Name: _____
 Signature: _____
 Month: _____ Day: _____ Year: _____

DESIGNATED FACILITY

PO 1159270

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

CA0170023238

2. Page 1 of

1

3. Emergency Response Phone

415-552-1818

4. Waste Tracking Number

002608

5. Generator's Name and Mailing Address

US Navy BRAC PMO-W (Moffett)
1 Avenue of the Palms, Ste. 161
San Francisco, CA 94130 USA

Generator's Site Address (if different than mailing address)

Moffett Field NAS, Zook Rd. @ Taxiway Bravo
Moffett Field, CA 94035 USA

Generator's Phone: 415-743-4713

6. Transporter 1 Company Name

Eighteen Trucking

U.S. EPA ID Number

CA000071709
CAR003143875

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Altamont Landfill
10340 Altamont Pass Rd.
Livermore, CA 94550 USA

U.S. EPA ID Number

CAD981382732

Facility's Phone: 925-448-6349

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

1. Non-hazardous waste, solid (soil with TPH-JP5 and TPH-Kerosene contamination)
Non-DOT regulated

1

CM

13

Y

2.

3.

4.

13. Special Handling Instructions and Additional Information

Tracking #: 8760

Generator contact: Doug DeLong, E CIV OASH (EIRIE), BRAC PMO West Douglas.delong@navy.mil

Wear proper PPE when handling waste WM Altamont Profile #: 802874CA

1. Double protect with workification of disposal requested by generator

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Officer's Printed/Typed Name

GARV J MUNRYAN

Signature

Garv J Munryan

Month Day Year

1 7 11

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Samuel...

Signature

Month Day Year

1 7 11

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME US NAVY BRAC PMO-W (MOFFETT)
ADDRESS 1 AVE OF THE PALMS, SUITE-161 EPA I.D. NO. C | A | 0 | 17 | 0 | 0 | 2 | 3 | 26 | 8
CITY, STATE, ZIP SAN FRANCISCO, CA 94130 PHONE NO. (415) 743-4713

CONTAINERS: No. 11 VOLUME/CY N/A WEIGHT/TONS 8,250 LBS

TYPE: TANK TRUCK DUMP TRUCK DRUMS CARTONS OTHER

WASTE DESCRIPTION SOIL CUTTINGS GENERATING PROCESS GROUNDWATER INVESTIGATION

COMPONENTS OF WASTE		PPM %	COMPONENTS OF WASTE		PPM %
1.	<u>SOIL/BASE ROCK (1" MINUS)</u>	<u>100</u>	3.		
2.			4.		

VOC-OVA READINGS _____
SITE VERIFICATION MOFFETT FIELD, WESTCOAST ROAD SANTA CLARA, CA 94035

PROPERTIES: pH _____ SOLID LIQUID SLUDGE SLURRY OTHER

HANDLING INSTRUCTIONS: USE PROPER RESPIRATORY EQUIPMENT (BAUR) ALTAMONT PROFILE #102481C

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.
David R. Smith *David R. Smith* 4/28/11
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER I

NAME WORLD ENVIRONMENTAL & ENERGY EPA I.D. NO. C | A | 0 | 10 | 0 | 0 | 3 | 72 | 8 | 3
ADDRESS 3208 WEST CAPITOL AVENUE
CITY, STATE, ZIP WEST SACRAMENTO, CA 95691 SERVICE ORDER NO. _____
PHONE NO. (916) 371-3617 PICK UP DATE 4-28-11
Jim Hill
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRUCK, UNIT, I.D. NO. 611-2

TRANSPORTER II

NAME _____ EPA I.D. NO. _____
ADDRESS _____ SERVICE ORDER NO. _____
CITY, STATE, ZIP _____ PICK UP DATE _____
PHONE NO. _____
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRUCK, UNIT, I.D. NO. _____

TSD FACILITY

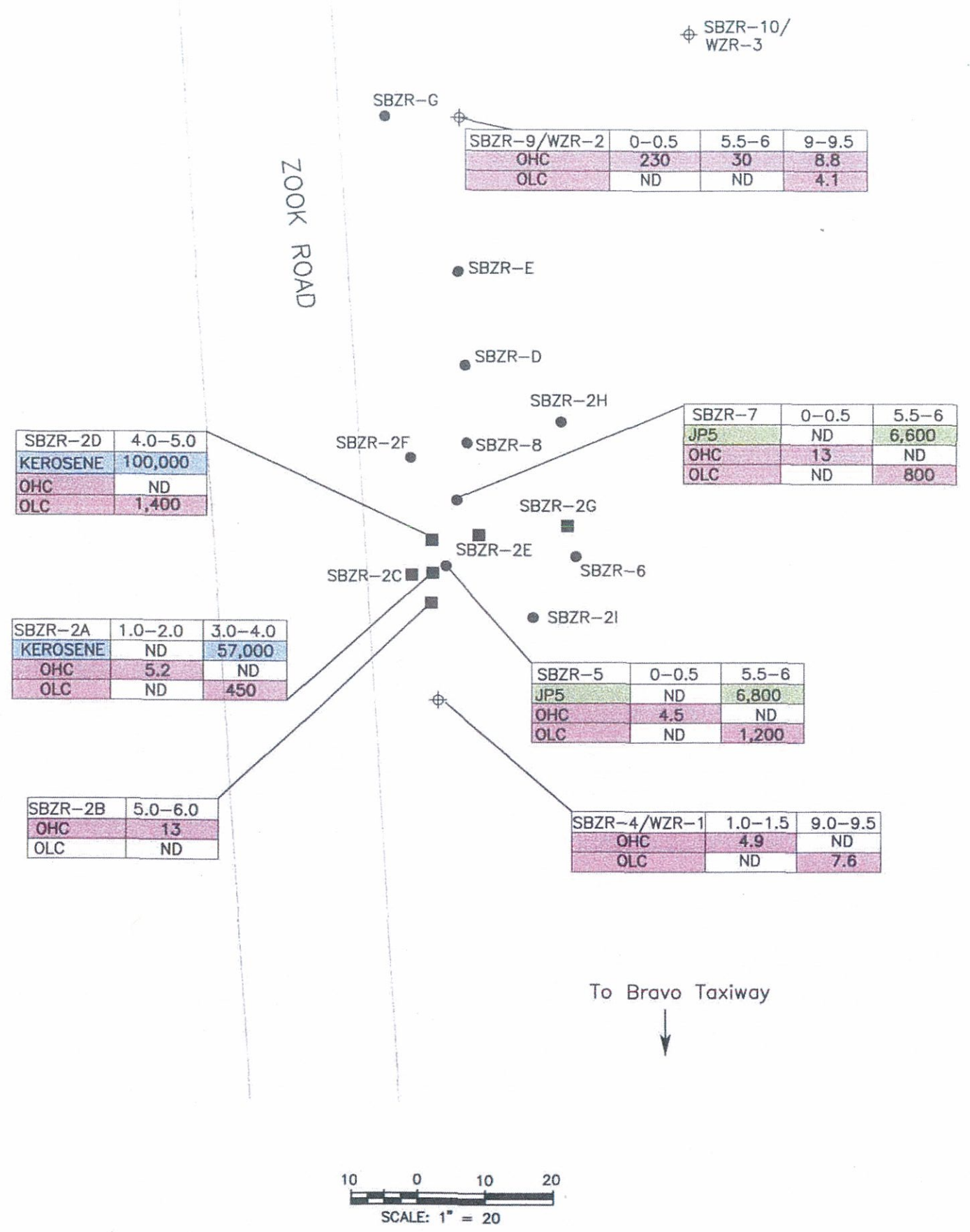
NAME ALTAMONT LANDFILL EPA I.D. NO. CAD981382732
ADDRESS 10840 ALTAMONT PASS ROAD DISPOSAL METHOD LANDFILL OTHER _____
CITY, STATE, ZIP LIVERMORE, CA 94550
PHONE NO. (925) 449-6349
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD	HWDF	NONE

DISCREPANCY

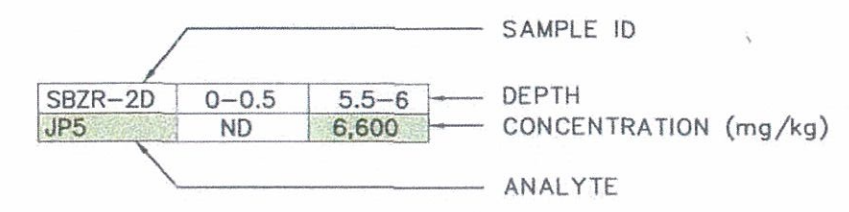
Figure I3 TtEMI 2000a

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LEGEND

- SOIL BORING, PHASE I
- SOIL BORING, PHASE II
- ⊕ SOIL BORING AND MONITORING WELL, PHASE II
- TPH-E AS JP-5
- TPH-E AS KEROSENE
- TPH-E AS OTHER HEAVY COMPONENTS (OHC)
- TPH-E AS OTHER LIGHT COMPONENTS (OLC)
- ND NOT DETECTED
- TPH-E TOTAL PETROLEUM HYDROCARBONS EXTRACTABLE
- TPH-P TOTAL PETROLEUM HYDROCARBONS PURGABLE
- FT FEET
- JP JET PETROLEUM
- mg/kg MILLIGRAMS PER KILOGRAM



NOTE:
 SOIL BORING LOCATIONS WITHOUT "HIT BOXES" CONTAIN NO DATA OR THE DATA WERE NOT DETECTED FOR JP-5, KEROSENE, OHC, AND OLC. DETECTION OF OTHER PETROLEUM CONSTITUENTS WERE MINOR, THUS WERE NOT INCLUDED IN THIS FIGURE.

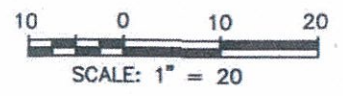
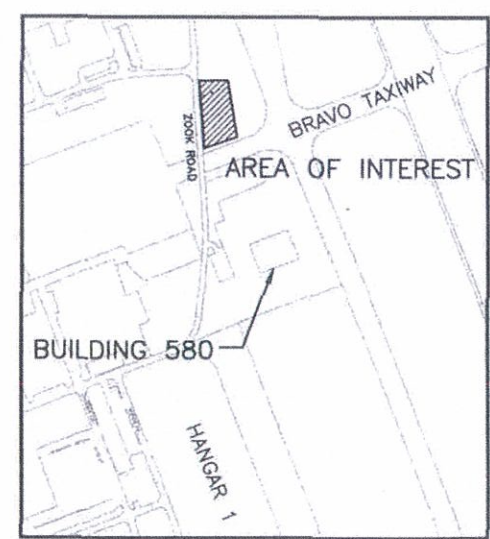


FIGURE 13
 MOFFETT FEDERAL AIRFIELD
 PETROLEUM SITE EVALUATION
 APPENDIX I - SITE 20
 SELECTED PETROLEUM
 DETECTIONS IN SOIL (mg/kg)

Figure I8 TtEMI 2000a

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ZOOK ROAD

WZR-2

DATE	Benzene	Diesel	Other Hvy	Other Lt
9-94	0.4 ¹	1,500 ¹	220	760 ²
11-94	ND	ND	ND	100
3-95	0.4 ¹	ND	ND	51 ²
6-95	0.3 ¹	ND	ND	ND

WZR-3

DATE	Benzene	Diesel	Other Hvy	Other Lt
9-94	ND	ND	ND	ND
11-94	ND	ND	ND	ND
3-95	ND	ND	ND	ND
6-95	0.2 ¹	ND	ND	ND

APPROXIMATE
GROUNDWATER FLOW
DIRECTION
(NOVEMBER 1998)

BRAVO TAXIWAY

WZR-1

DATE	Benzene	Diesel	Other Hvy	Other Lt
9-94	1.0 ¹	ND	ND	630
11-94	1.0 ¹	ND	ND	440
3-95	0.5 ¹	ND	ND	370 ²
6-95	0.7 ¹	ND	ND	520

LEGEND



MONITORING WELL IN THE A1-AQUIFER ZONE



APPROXIMATE AREA OF SITE 20

1

ESTIMATED CONCENTRATION ($\mu\text{g}/\text{L}$)

2

CHROMATOGRAM DOES NOT RESEMBLE FUEL PATTERN

ND

NOT DETECTED

$\mu\text{g}/\text{L}$

MICROGRAMS PER LITER

Hvy

HEAVY

Lt

LIGHT



BENZENE DETECTION VALUES



DIESEL DETECTION VALUES



OTHER DETECTION VALUES (HEAVY)



OTHER DETECTION VALUES (LIGHT)

100 0 100 200



SCALE: 1"=200'

FIGURE 18
MOFFETT FEDERAL AIRFIELD
PETROLEUM SITE EVALUATION
APPENDIX I - SITE 20
SELECTED PETROLEUM DETECTIONS
IN GROUNDWATER ($\mu\text{g}/\text{L}$)

NASA Construction/Excavation Permit

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PERMIT AND INSPECTION RECORD TO BE POSTED AT JOB SITE



RECEIVED

8 DRQ
09 JUL - 8 AM 8:40

CONSTRUCTION PERMIT

OICC/ROICC

National Aeronautics and
Space Administration
Ames Research Center
Moffett Field, California 94035

Permit Number 090057

Ames Standard Construction Specifications shall apply to all Non C of F Projects

Construction Manager D. Hamson

Org Code

Mail Stop

Phone

650-564-9868

Project Manager BRYCE BARTELMA

619-471-3525

Facility Safety Rep BRYCE BARTELMA

619-471-3525

Customer DEPARTMENT OF THE NAVY - GARY MUNEKAWA (ROICC)

650-603-9834

Description of Work

Project title PETROLEUM SITES SAMPLING AND EVALUATION FOR CLOSURE OR REMOVAL ACTIONS

Tentative construction schedule:

Start JUNE 2009
AUGUST

Complete SEPTEMBER
JULY 2009

Description of work

TO CONDUCT ADDITIONAL SITE INVESTIGATIONS AT FORMER SUMPS, AST'S, USTS, AND ASSOCIATED PIPELINES AT MOFFETT TO COLLECT SOIL & GROUNDWATER DATA TO FURTHER DELINEATE THE PETROLEUM SITES. SOIL & GROUNDWATER WILL BE COLLECTED IN ACCORDANCE WITH THE FINAL WORK PLAN. PLEASE REFER TO THE ATTACHED EXECUTIVE SUMMARY AND FIGURES FOR PROPOSED SAMPLING LOCATIONS.

Deviations Approved _____

Approved for Construction
Moffett Field Permit Board

Building number _____

Room number / location _____

8/21/09
Chief Building Official

Additional Permits Required

Permits internal to NASA Ames

Hot Work

Confined space

Electrical work (High Voltage)

Excavation / Drilling

Facility closure / obstruction

Permits external to NASA Ames

Water discharge

Underground tanks

Air quality

Toxic or hazardous material

Approved for Construction



National
Aeronautics and
Space
Administration

PERMIT AND INSPECTION RECORD TO BE POSTED AT JOB SITE INSPECTION RECORD

Permit No 090057

Hold-points for inspections	Required yes / no	Signature	Date
Underground Utilities After piping/conduit is in place and bedded, but before it is covered	<input type="checkbox"/> <input type="checkbox"/>		
Foundation/Concrete Prepour After formwork/rebar is in place, but before concrete is mixed	<input type="checkbox"/> <input type="checkbox"/>		
Frame After framing, rough electrical, plumbing, vents, and duct work are in place, but before sheathing	<input type="checkbox"/> <input type="checkbox"/>		
Roof Deck	<input type="checkbox"/> <input type="checkbox"/>		
Lath or gypsum	<input type="checkbox"/> <input type="checkbox"/>		
Insulation Walls, ceiling and floor	<input type="checkbox"/> <input type="checkbox"/>		
T-bar grid Light fixtures, diffusers and seismic bracing	<input type="checkbox"/> <input type="checkbox"/>		
Electrical Raceways, pull boxes and smoke detection	<input type="checkbox"/> <input type="checkbox"/>		
Mechanical Ducts, HVAC units, vents, and fire dampers	<input type="checkbox"/> <input type="checkbox"/>		
Plumbing DWV piping, water supply and gas supply lines	<input type="checkbox"/> <input type="checkbox"/>		
Fire sprinkler Pressure test, bracing and piping system, alarm pre-test, final acceptance test	<input type="checkbox"/> <input type="checkbox"/>		
Bolt/Welding After bolts are tightened and welds made, but before painting or covering	<input type="checkbox"/> <input type="checkbox"/>		
Surface preparation After preparation for painting, but before painting	<input type="checkbox"/> <input type="checkbox"/>		
Hazardous analysis Checking for lead and asbestos	<input type="checkbox"/> <input type="checkbox"/>		
High pressure air 140 PSI, 3000 PSI, 6000 PSI shop air	<input type="checkbox"/> <input type="checkbox"/>		
Sterilization of water piping	<input type="checkbox"/> <input type="checkbox"/>	Approved for Construction Moffett Field Permit Board <i>Pete [Signature]</i> Chief Building Official	8/21/09
Compaction testing	<input type="checkbox"/> <input type="checkbox"/>		
Other	<input type="checkbox"/> <input type="checkbox"/>		
As-built drawings	<input checked="" type="checkbox"/> <input type="checkbox"/>		
Final inspection	<input checked="" type="checkbox"/> <input type="checkbox"/>		

Call the Construction Permit Office at 4-2607 for inspection 24 hours in advance and prior to covering any work

**RETURN SIGNED INSPECTION RECORD AND AS-BUILT DRAWING TO PERMIT OFFICE
(M/S 213-11, N213, ROOM 28) AT PROJECT COMPLETION**

Permit Detail Report

Page #: 1

Permit Number: 09Q057

Status: To CBO

ECO #:

Permit Type: Quick Permit

Location: VARIOUS

Title: PETROLEUM SITES SAMPLING & EVALUATION FOR CL

Manager Name: GARY MUNEKAWA

PM Org.: NAVY

PM Phone: 3-9834

Construction Permit Office

Received Date: 07/22/2009

Review Days: 5

Review Start Date: 07/30/2009

Review Due Date: 08/04/2009

Construction Branch Office

To CBO: 08/21/2009

Est. Const. Start: 00/00/00

Inspection Rec: 00/00/00

Date Signed: 00/00/00

Est. Const. Comp: 00/00/00

As Built Rec: 00/00/00

Permit Description:

1. CONDUCT ADDITIONAL SITE INVESTIGATIONS AT FORMER SUMPS, AST'S, UST'S AND ASSOCIATED PIPELINES AT MOFFETT TO COLLECT SOIL AND GOUNDWATER DATA TO FURTHER DELINEATE THE PETROLEUM SITES.
2. SOIL AND GROUNDWATER WILL BE COLLECTED IN ACCORDANCE WITH THE FINAL WORK PLAN.
3. PLEASE REFER TO THE ATTACHED EXECUTIVE SUMMARY AND FIGURES FOR PROPOSED SAMPLING LOCATIONS.

Permit Comments:

PLANT ENGINEERING: Sal Navarro, Approved.

CODE: Civil - Charlie Tonda, Approved.

SAFETY: Lizzette Vargas-Malpica, AaN

1. As part of the executive summary abd drawings coversheet, add a section indicating the applicable Navy Health & Safety Regulations to be followed by the contractor, to include hazard communications (right-to-know) and providing adequate personal protective equipment to prevent exposure to petroleum and other chemicals that may encounter such as chlorinated solvents.
2. Contact Mark Hudspeth (4-0284) or Lizzette Vargas-Malpica (4-0286) for more info.

SAFETY: Fire - Dan Kaiser, Approved.

Permit Detail Report

SAFETY: Industrial Hygiene - Jennifer Morris, Approved.

FIRE MARSHAL: Herb Jewell, Approved.

PLANNING: Rocci Caringello, Approved.

SECURITY: Robert Nakahara, Approved.

Record Label	Return Date	Disposition	Days Late
Code Compliance:	07/30/2009	Approved	0
Other:	08/12/2009	Approved As Noted	0
Other:	08/05/2009	Approved	0
Planning:	08/12/2009	Approved	0
Plant Engineering:	08/04/2009	Approved	0
Safety - (Fire):	08/04/2009	Approved	0
Safety:	08/04/2009	Approved As Noted	0
Safety:	08/04/2009	Approved	0

**Santa Clara Valley Water District
Well Construction Completion Forms**

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WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: Thiemann		Date of Inspection: 12/1/10		Permit: 10W00512	
Well Owner: US Navy		Owner Well No: WER 4		Well Registration No: 06500019/0079	
Address of Well Site: Moffett Field, Zook Rd Hall				City or County: Hall	
Drilling Company: RSI		Consultant: Tetra Tech			
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material:	TD: 10	Boring Diameter: 8	BOC: 10
Casing Diameter & Material: 2" PVC	Slot Size: 010	Screen Interval(s): 9.5 - 4.5			
Filter Pack Material: 2/16	Filter Pack Interval(s): TD - 4	Bent: 4-3	Seal Depth: 4		
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Rotary <input type="checkbox"/> Other (See Comments)	
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> GW Extraction <input type="checkbox"/> Agricultural <input type="checkbox"/> Vadoso Monitoring <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Vadoso Extraction <input type="checkbox"/> Elevator <input type="checkbox"/> Cathodic <input type="checkbox"/> Other (See Comments)		Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)			
Well Location: 164 ft. NS Hall & Ext		Well Location: 20 ft. EN Zook Rd			
GPS Coordinates: Lat. 37 25 02.92 N		Long. 122 03 15.57 W			
Comments:					
Distribution: ORIGINAL Permit File: YELLOW City/County: PINK Well File: GOLDENROD Permittee:					

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: Thiemann		Date of Inspection: 12/2/10		Permit: 10W00514	
Well Owner: US Navy		Owner Well No: WER-5		Well Registration No: 06500019/0076	
Address of Well Site: Zook near Hall, Moffett Field				City or County:	
Drilling Company: RSI		Consultant: Tetra Tech			
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material:	TD: 9.5	Boring Diameter: 8"	BOC: 9
Casing Diameter & Material: 2" PVC	Slot Size: 010	Screen Interval(s): 9 - 4			
Filter Pack Material: 2/16	Filter Pack Interval(s): TD - 4	Bent: 4-3	Seal Depth: 4		
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Rotary <input type="checkbox"/> Other (See Comments)	
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> GW Extraction <input type="checkbox"/> Agricultural <input type="checkbox"/> Vadoso Monitoring <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Vadoso Extraction <input type="checkbox"/> Elevator <input type="checkbox"/> Cathodic <input type="checkbox"/> Other (See Comments)		Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)			
Well Location: 81 ft. NS Hall Rd & Ext		Well Location: 19 ft. EN Zook Rd			
GPS Coordinates: Lat. 37 25 03.76 N		Long. 122 03 15.66 W			
Comments:					
Distribution: ORIGINAL Permit File: YELLOW City/County: PINK Well File: GOLDENROD Permittee:					

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: Thiemann		Date of Inspection: 12/1/10		Permit: 10W00518	
Well Owner: US Navy		Owner Well No: WER-6		Well Registration No: 06502W14C077	
Address of Well Site: Moffett Field; Zook at Hall				City/County: (Circled)	
Drilling Company: RSI		Consultant: Tetra Tech			
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material:	TD: 10.5	Boring Diameter: 8	BOC: 10.5
Casing Diameter & Material: 2 PVC	Slot Size: 010	Screen Interval(s): 10-5			
Filter Pack Material: 2/116	Filter Pack Interval(s): TD-4.5	Bent: 4.5-3.0			Seal Depth: 4.5
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Other (See Comments)
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> GW Extraction <input type="checkbox"/> Agricultural <input type="checkbox"/> Vadose Monitoring <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Vadose Extraction <input type="checkbox"/> Elevator		<input type="checkbox"/> Cathodic		<input type="checkbox"/> Other (See Comments)	
Well constructed according to provisions of Santa Clara Valley Water District Permit?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)	
Well Location: 30 ft. N/S		Hall Rd & Ext 18		ft. E/W Zook Rd	
GPS Coordinates: Lat. 37 25 04.24 N		Long. 122 03 15.75 W			
Comments:					
Distribution: ORIGINAL Permit File: YELLOW City/County: PINK Well File: GOLDENROD Permittee:					

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: Thiemann		Date of Inspection: 12/2/10		Permit: 10W00519	
Well Owner: LIS Navy		Owner Well No: WER 7		Well Registration No.: 06502W14C077	
Address of Well Site: Zook near Hall, Moffett Field				City or County:	
Drilling Company: RSI		Consultant: Tetra Tech			
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material:	TD: 7.5	Boring Diameter: 8	BOC: 7.5
Casing Diameter & Material: 2 PVC	Slot Size: 010	Screen Interval(s): 7-4			
Filter Pack Material: 2/116	Filter Pack Interval(s): TD-4	Bent: 4-3			Seal Depth: 4
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Other (See Comments)
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> GW Extraction <input type="checkbox"/> Agricultural <input type="checkbox"/> Vadose Monitoring <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Vadose Extraction <input type="checkbox"/> Elevator		<input type="checkbox"/> Cathodic		<input type="checkbox"/> Other (See Comments)	
Well constructed according to provisions of Santa Clara Valley Water District Permit?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)	
Well Location: 36 ft. N/S		Zook Rd Hall Rd 57		ft. E/W Zook Rd	
GPS Coordinates: Lat. 37 25 04.12 N		Long. 122 03 16.67 W			
Comments:					
Distribution: ORIGINAL Permit File: YELLOW City/County: PINK Well File: GOLDENROD Permittee:					

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: Thiemann		Date of Inspection: 12/2/10		Permit: 10W00520	
Well Owner: U.S. Navy		Owner Well No.: WER 8		Well Registration No.: 06502W19077X	
Address of Well Site: Zook near Hall, Moffett Field				City or County:	
Drilling Company: RSI		Consultant: Tetra Tech			
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material:	TD: 9.5	Boring Diameter: 8	BOC: 9
Casing Diameter & Material: 2" PVC	Slot Size: 010	Screen Interval(s):	9-4		
Filter Pack Material: 2/16	Filter Pack Interval(s): TD - 4	Bent:	3-4		Seal Depth: 4
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Other (See Comments)
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> GW Extraction <input type="checkbox"/> Agricultural <input type="checkbox"/> Vadoso Monitoring <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Vadoso Extraction <input type="checkbox"/> Elevator <input type="checkbox"/> Cathodic <input type="checkbox"/> Other (See Comments)		Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)			
Well Location: 84 ft. N/S Hall Rd		103 ft. E/W Zook Rd			
GPS Coordinates: Lat. 37 25 03.61 N		Long. 122 03 17.18 W			
Comments:					
Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee					

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: D. Higgins		Date of Inspection: 12/3/10		Permit: 10W00517	
Well Owner: U.S. Navy		Owner Well No.: WSS-2		Well Registration No.: 06502W14P081	
Address of Well Site: Zook Rd.				City or County: MOFFETT FIELD	
Drilling Company: RST		Consultant: Tetra Tech			
Cond. Bore: —	Conductor Depth: —	Conductor Diameter & Material: —	TD: 11'	Boring Diameter: 8"	BOC: 11'
Casing Diameter & Material: 2" PVC	Slot Size: 0.010	Screen Interval(s):	8'-11'		
Filter Pack Material: 2/16 SAND	Filter Pack Interval(s): 7'-11'	Bent:	5'-7'		Seal Depth: 7'
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Other (See Comments)
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> GW Extraction <input type="checkbox"/> Agricultural <input type="checkbox"/> Vadoso Monitoring <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Vadoso Extraction <input type="checkbox"/> Elevator <input type="checkbox"/> Cathodic <input type="checkbox"/> Other (See Comments)		Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)			
Well Location: 523 ft. N/S US 101		209 ft. E/W ELLIS ST			
GPS Coordinates: Lat. 37° 24' 20.26" N		Long. 122° 03' 04.88" W			
Comments:					
Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee					

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: <u>D. HIGGINS</u>		Date of Inspection: <u>12/3/10</u>		Permit: <u>10W00516</u>	
Well Owner: <u>U.S. NAVY</u>		Owner Well No.: <u>W58-3</u>	Well Registration No.: <u>06S02W14P080</u>		
Address of Well Site: <u>Zook RD</u>			City or County: <u>MOFFETT FIELD</u>		
Drilling Company: <u>RSE</u>		Consultant: <u>TEMA TECH</u>			
Cond. Bore: <u>—</u>	Conductor Depth: <u>—</u>	Conductor Diameter & Material: <u>—</u>	TD: <u>11'</u>	Boring Diameter: <u>8"</u>	BOC: <u>11'</u>
Casing Diameter & Material: <u>2" PVC</u>	Slot Size: <u>0.010</u>	Screen Interval(s): <u>6'-11'</u>			
Filter Pack Material: <u>2/16 SAND</u>	Filter Pack Interval(s): <u>5'-11'</u>	Bent: <u>3'-5'</u>	Seal Depth: <u>5'</u>		
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Air Rotary <input type="checkbox"/> Other (See Comments)
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural		<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction	<input type="checkbox"/> Cathodic <input type="checkbox"/> Other (See Comments)
Well constructed according to provisions of Santa Clara Valley Water District Permit?		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No (See Comments)	
Well Location: <u>544 ft N/S US 101</u>		<u>240 ft E/W ELLIS ST</u>			
GPS Coordinates: Lat. <u>37° 24' 20.58" N</u>		Long. <u>122° 03' 05.17" W</u>			
Comments:					

Distribution: ORIGINAL—Permit File; YELLOW—City/County; PINK—Well File; GOLDENROD—Permittee

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: <u>D. HIGGINS</u>		Date of Inspection: <u>12/16/10</u>		Permit: <u>10W00515</u>	
Well Owner: <u>U.S. NAVY</u>		Owner Well No.: <u>W58-4</u>	Well Registration No.: <u>06S02W14P083</u>		
Address of Well Site: <u>CODY RD</u>			City or County: <u>MOFFETT FIELD</u>		
Drilling Company: <u>RSE</u>		Consultant: <u>TEMA TECH</u>			
Cond. Bore: <u>—</u>	Conductor Depth: <u>—</u>	Conductor Diameter & Material: <u>—</u>	TD: <u>12'</u>	Boring Diameter: <u>8"</u>	BOC: <u>12'</u>
Casing Diameter & Material: <u>2" PVC</u>	Slot Size: <u>0.010</u>	Screen Interval(s): <u>7'-12'</u>			
Filter Pack Material: <u>2/16 SAND</u>	Filter Pack Interval(s): <u>10'-12'</u>	Bent: <u>4'-6'</u>	Seal Depth: <u>10'</u>		
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Air Rotary <input type="checkbox"/> Other (See Comments)
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural		<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction	<input type="checkbox"/> Cathodic <input type="checkbox"/> Other (See Comments)
Well constructed according to provisions of Santa Clara Valley Water District Permit?		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No (See Comments)	
Well Location: <u>556 ft N/S US 101</u>		<u>205 ft E/W ELLIS ST</u>			
GPS Coordinates: Lat. <u>37° 24' 20.48" N</u>		Long. <u>122° 03' 04.55" W</u>			
Comments:					

Distribution: ORIGINAL—Permit File; YELLOW—City/County; PINK—Well File; GOLDENROD—Permittee

WELL CONSTRUCTION COMPLETION NOTICE

FC 158A (12-08-08)

Inspector: D. HIGGINS		Date of Inspection: 12/16/10		Permit: 106200513	
Well Owner: U.S. NAVY		Owner Well No.: W58-5	Well Registration No.: 06S02W14P082		
Address of Well Site: CONY RD.			City or County: MOFFETT FIELD		
Drilling Company: RST		Consultant: TETRA TECH			
Cond. Bore: -	Conductor Depth: -	Conductor Diameter & Material: -	TD: 12'	Boring Diameter: 8"	BOC: 12'
Casing Diameter & Material: 2" PVC	Slot Size: 0.01	Screen Interval(s): 7'-12'			
Filter Pack Material: 2/16 Sand	Filter Pack Interval(s): 6'-12'	Bent: 4'-6'		Seal Depth: 6'	
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Bentonite Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Direct Push		<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Other (See Comments)
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input checked="" type="checkbox"/> GW Extraction <input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural		<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction	<input type="checkbox"/> Cathodic <input type="checkbox"/> Other (See Comments)	
Well constructed according to provisions of Santa Clara Valley Water District Permit?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)	
Well Location: 546 ft. N/S US 101		188 ft. E/W ELLIS ST			
GPS Coordinates Lat: 37° 24' 20.30" N		Long: 122° 03' 04.40" W			
Comments:					
Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee					

APPENDIX B
SOIL BORING LOGS
(on CD only)

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ZOOK ROAD

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TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-1 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,295.85 (NAD 83)
Date Started: October 15, 2009	Easting: 1,978,189.12 (NAD 83)
Date Completed: October 15, 2009	Ground Surface Elevation: 10.96 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0											10
0 to 3.5					9-018 (Soil 1-2 ft. bgs)	0825	0	ML		0 to 3.5 ft. SANDY SILT: dark gray (10YR 3/1), moist, 70% non to low plastic fines, 30% fine to coarse sand, trace fine gravel.	
3.5 to 6						0828	0				
6 to 9					9-019 (Soil 6-7 ft. bgs)	0840	0	SM		3.5 to 6 ft. SILTY SAND: grayish brown (10YR 5/2), moist to wet, 60% poorly graded fine to medium sand, 40% non to low plastic fines.	
9 to 11.5						0840	0				5
11.5 to 12						0845	0	CL		6 to 9 ft. 6 to 9 ft. SILTY SAND: dark yellowish brown (10YR 4/4), wet, 70% poorly graded fine to coarse sand, 30% nonplastic fines.	
12					9-020 (Water 2-12 ft. bgs)	0845	0	ML		9 to 11.5 ft. SANDY CLAY: dark greenish gray (Gley 1 4/10Y), wet, 70% medium to high plastic fines, 30% poorly graded fine to medium sand.	0
11.5 to 12										11.5 to 12 ft. SANDY SILT: dark yellowish brown (10YR 4/6), wet, 70% low plastic fines, 30% poorly graded fine sand, stiff, gray mottling.	
Notes: hand auger to 5 ft. direct push from 5 to 12 ft.											

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-10 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,272.90 (NAD 83)
Date Started: March 15, 2010	Easting: 1,978,254.80 (NAD 83)
Date Completed: March 15, 2010	Ground Surface Elevation: 11.86 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.5 ft. ASPHALT	
0.5					9-157 (Soil 1-2 ft. bgs)	0930	2.9	GW		0.5 to 1.5 ft. SILTY GRAVEL WITH SAND: Dark Yellowish Brown (10YR 4/4), Dry, 40% Well Graded Subangular to Subrounded Fine Gravel, 40% Fine to Coarse Sand, 20% Nonplastic Fines.	10
1.5						0951	3	CL		1.5 to 4.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry, 80% medium plastic fines, 20% poorly graded fine sand.	
4.5						0940	2.8	ML		4.5 to 5.5 ft. SANDY SILT: dark grayish brown (10YR 4/2), dry, 70% nonplastic fines, 30% poorly graded fine to medium sand.	
5.5					9-158 (Soil 6-7 ft. bgs)	0940	2	CL		5.5 to 6.5 ft. SANDY CLAY: yellowish brown 910YR 5/4), moist, 70% medium to high plastic fines, 30% poorly graded fine sand, trace fine gravel.	5
6.5						0942	3	SM		6.5 to 8.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 50% poorly graded fine to coarse sand, 50% nonplastic fines, trace subangular to subrounded fine gravel.	
8.5						0942	5	CL		8.5 to 9 ft. SANDY CLAY: brown (10YR 4/3), moist to wet, 70% high plastic fines, 30% poorly graded fine sand.	
9					9-159 (Water 2-12 ft. bgs)	0942	5			9 to 10 ft. SANDY CLAY: dark greenish gray (Gley1 4/10GY), wet, 60% high plastic fines, 40% poorly graded fine sand, trace fine gravel.	
10										10 to 12 ft. CLAY WITH SAND: dark greenish gray (Gley1 4/10GY), moist, 80% medium to high plastic fines, 20% poorly graded fine sand, trace fine gravel, calcareous nodules.	0
12											-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-11 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,367.09 (NAD 83)
Date Started: March 16, 2010	Easting: 1,978,295.21 (NAD 83)
Date Completed: March 16, 2010	Ground Surface Elevation: 10.94 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0 5 10 15	▼	<p>1" Diameter Schedule 40 PVC</p> <p>1" Diameter Schedule 40 PVC Screen (0.010 Slot)</p>			9-160 (Soil 1-2 ft. bgs)	0905	2.6	ML		0 to 0.5 ft. SANDY SILT: very dark gray (10YR 3/1), dry to moist, 70% non to low plastic fines, 20% well graded fine to medium sand, 10% fine gravel.	10
						0908	3	CL		0.5 to 3.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
						0910	2.6	ML		3.5 to 6.5 ft. SANDY SILT: light yellowish brown (10YR 6/2), dry to moist, 60% non to low plastic fines, 40% poorly graded fine sand.	
						0910	2.6	SM		6.5 to 8.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 50% poorly graded fine sand, 50% non to low plastic fines, trace fine gravel.	
						0912	4.6	SC		7 to 8.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 60% poorly graded fine to coarse sand, 30% nonplastic fines, 10% subangular to subrounded fine sand.	
						0912	2.8	CL		8.5 to 9.5 ft. CLAYEY SAND: dark yellowish brown (10YR 4/4), moist, 80% poorly graded fine sand, 20% medium to high plastic fines.	
					9-161 (Soil 6-7 ft. bgs)					9.5 to 10.5 ft. CLAY WITH SAND: greenish gray (Gley1 5/10GY), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
					9-162 (Water 2-12 ft. bgs)					10.5 to 12 ft. CLAY WITH SAND: dark yellowish brown (10YR 4/4), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-12 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,414.17 (NAD 83)
Date Started: March 16, 2010	Easting: 1,978,190.84 (NAD 83)
Date Completed: March 16, 2010	Ground Surface Elevation: 12.03 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)	
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 20px;"> </div> <div style="margin-bottom: 20px;"> </div> </div>			1" Diameter Schedule 40 PVC		9-163 (Soil 1-2 ft. bgs)	0950	0	CL		0 to 0.5 ft. SANDY CLAY: Very Dark Gray (10YR 3/1), Dry, 70% Medium to High Plastic Fines, 30% Poorly Graded Fine Sand, Trace Fine Gravel, Roots. 0.5 to 4 ft. CLAY WITH SAND: Very Dark Gray (10YR 3/1), Dry, 80% Medium to High Plastic Fines, 20% Poorly Graded Fine Sand.	10	
						0952	0					
						9-164 (Soil 5.5-6 ft. bgs)	1001	1	ML		4 to 5.5 ft. SANDY SILT: light brownish gray (10YR 6/2), dry, 60% nonplastic fines, 40% poorly graded fine sand.	
				1" Diameter Schedule 40 PVC Screen (0.010 Slot)			1001	0.5	CL		5.5 to 6.5 ft. SILT WITH SAND: yellowish brown (10YR 5/4), moist to wet, 80% nonplastic fines, 20% poorly graded fine sand.	5
							1005	0.6	CL		6.5 to 8 ft. CLAY WITH SAND: yellowish brown (10YR 5/4), wet, 80% medium to high plastic fines, 20% poorly graded fine sand, trace fine gravel.	
							1005	2.5	ML		8 to 8.5 ft. SANDY SILT: yellowish brown (10YR 5/4), wet, 60% nonplastic fines, 40% poorly graded fine sand.	
						9-165 (Water 2-12 ft. bgs)					8.5 to 9.5 ft. CLAY WITH SAND: dark yellowish brown (10YR 4/4), moist, 80% medium to high plastic fines, 20% poorly grade fine sand, no odors, calcareous nodules.	
											9.5 to 11 ft. CLAY WITH SAND: greenish gray (Gley1 5/10Y), moist, 80% medium to high plastic fines, 20% poorly graded fine sand, trace fine gravel, slight petroleum odor.	
											11 to 12 ft. SANDY SILT: greenish gray (Gley1 5/10Y), wet, 60% poorly graded non to low plastic fines, 40% poorly graded fine sand.	0
											Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-13 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,358.19 (NAD 83)
Date Started: March 15, 2010	Easting: 1,978,280.13 (NAD 83)
Date Completed: March 15, 2010	Ground Surface Elevation: 11.33 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0 5 10 15	▼	1" Diameter Schedule 40 PVC	1" Diameter Schedule 40 PVC Screen (0.010 Slot)	☒	9-225 (Soil 1-2 ft. bgs)	1330	0	ML		0 to 1 ft. SANDY SILT: very dark gray (10YR 3/1), dry, 60% non to low plastic fines, 30% poorly graded fine to coarse sand, 10% fine gravel, roots.	10 5 0 -5
								CL		1 to 3.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
					9-226 (Soil 9-10 ft. bgs)	1339	0	ML		3.5 to 6.5 ft. SILT WITH SAND: grayish brown silt (10YR 5/2), dry to moist, 80% nonplastic fines, 20% poorly graded fine sand, glass fragments.	
								SM		6.5 to 8.5 ft. SILTY SAND: brown (10YR 4/3), wet, 70% poorly graded fine to coarse sand, 30% nonplastic fines, trace subangular to subrounded fine gravel.	
								CL		8.5 to 9 ft. CLAY WITH SAND: brown (10YR 4/3), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
9-227 (Water 2-12 ft. bgs)	1342	1.7	CL		9 to 10 ft. CLAY WITH SAND: greenish gray (Gley1 5/10GY), moist, 80% medium to high plastic fines, 20% poorly graded fine sand, slight petroleum odor.						
			CL		10 to 12 ft. CLAY WITH SAND: brown (10YR 4/3), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.						

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-14 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,345.10 (NAD 83)
Date Started: March 15, 2010	Easting: 1,978,284.55 (NAD 83)
Date Completed: March 15, 2010	Ground Surface Elevation: 11.15 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0 5 10 15	▼		<p>1" Diameter Schedule 40 PVC</p> <p>1" Diameter Schedule 40 PVC Screen (0.010 Slot)</p>		9-228 (Soil 1-2 ft. bgs)	1415	0.1	ML		0 to 0.5 ft. SANDY SILT: Very Dark Gray (10YR 3/1), Dry, 60% Non to Low Plastic Fines, 30% Poorly Graded Fine to Coarse Sand, 10% Fine Gravel, Roots. 0.5 to 3.5 ft. SILT WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% low to medium plastic fines, 20% poorly graded fine sand. 3.5 to 5.5 ft. SANDY SILT: grayish brown (10YR 5/2), moist, 60% non to low plastic fines, 40% poorly graded fine to medium sand.	10
					9-229 (Soil 6-7 ft. bgs)	1417	0			5.5 to 7.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 60% poorly graded fine to coarse sand, 40% nonplastic fines.	5
					9-230 (Water 2-12 ft. bgs)	1425	0	SM		7.5 to 9 ft. CLAY WITH SAND: dark grayish brown (10YR 4/2), moist to wet, 80% high plastic fines, 20% poorly graded fine sand.	
						1427	0	CL		9 to 12 ft. CLAY WITH SAND: greenish gray (Gley1 5/10GY), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
						1427	0			Color change to dark yellowish brown (10YR 4/4) 2 Inches of sand lense	0
<p>Notes: hand auger to 5 ft. direct push from 5 to 12 ft.</p>											

Notes: bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-15 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,351.20 (NAD 83)
Date Started: March 16, 2010	Easting: 1,978,298.31 (NAD 83)
Date Completed: March 16, 2010	Ground Surface Elevation: 10.98 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0 5 10 15	▼		1" Diameter Schedule 40 PVC 1" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-231 (Soil 1-2 ft. bgs)	0752	1.8	ML		0 to 0.5 ft. SANDY SILT: dark gray (10YR 4/1), dry to moist, 70% non to low plastic fines, 20% well graded fine sand, 10% fine gravel.	10
						0755	1.9	CL		0.5 to 4 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
						0824	1.5	ML		4 to 5.5 ft. SILT: light brownish gray (10YR 6/2), dry to moist, 60% non to low plastic fines, 40% poorly graded fine to medium sand, trace fine gravel, sandstone fragments.	
						0824	1.5	SM		5.5 to 6.5 ft. SANDY SILT: light brownish gray (10YR 6/2), wet, 50% non to low plastic fines, 40% poorly graded fine to medium sand, 10% fine gravel.	
								CL		6.5 to 8 ft. SILTY SAND: dark yellowish brown (10YR 4/4), wet, 70% well graded fine to medium sand, 30% nonplastic fines.	
								CL		8 to 9 ft. CLAY WITH SAND: yellowish brown (10YR 5/4), dry to moist, 80% high plastic fines, 20% poorly graded fine sand, trace fine gravel.	
								SM		9 to 10.7 ft. CLAY WITH SAND: greenish gray (Gley 1 5/10GY), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand, very soft sand at base of clay.	
								CL		10.7 to 11 ft. SILTY SAND: 2-Inch lense	
										11 to 12 ft. CLAY WITH SAND: yellowish brown (10YR 5/4), moist to wet, 80% medium to high plastic fines, 20% poorly graded fine sand.	
										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-2 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,323.83 (NAD 83)
Date Started: October 15, 2009	Easting: 1,978,210.43 (NAD 83)
Date Completed: October 15, 2009	Ground Surface Elevation: 11.45 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0											10
0 to 3					9-021 (Soil 1-2 ft. bgs)	0902	0	ML		0 to 3 ft. SANDY SILT: dark gray (10YR 3/1), moist, 60% non to low plastic fines, 40% well graded fine to coarse sand, trace fine gravel.	10
3 to 6.5						0902	0				
3 to 6.5						0947	0	SM		3 to 6.5 ft. SILTY SAND: grayish brown (10YR 5/2), dry to moist, 60% well graded fine to coarse sand, 40% nonplastic fines, trace fine subangular to subrounded gravel.	5
6.5 to 8.5					9-022 (Soil 7-8 ft. bgs)	0947	0				5
6.5 to 8.5						0950	0	CL		6.5 to 8.5 ft. SILTY SAND: dark yellowish brown (10YR 4/4), wet, 70% poorly graded fine to coarse sand, 30% non to low plastic fines, saturated at 7.5 ft.	
8.5 to 9.5						0950	0				
8.5 to 9.5						0950	52.2			8.5 to 9.5 ft. SANDY CLAY: dark yellowish brown (10YR 4/4), moist to wet, 70% medium to high plastic fines, 30% poorly graded fine to medium sand, gray mottling.	0
9.5 to 12					9-023 (Water 2-12 ft. bgs)	0950	52.2				0
9.5 to 12											
12											
										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-3 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,253.54 (NAD 83)
Date Started: October 16, 2009	Easting: 1,978,239.48 (NAD 83)
Date Completed: October 16, 2009	Ground Surface Elevation: 11.06 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.5 ft. TOPSOIL	10
0.5					9-024 (Soil 1-2 ft. bgs)	0855	0	ML		0.5 to 4 ft. SILT WITH SAND: dark gray (10YR 3/1), moist, 80% low plastic fines, 20% poorly graded fine to coarse sand, trace fine gravel.	10
4						0900	0	SM		4 to 4.5 ft. SILTY SAND: grayish brown (10YR 5/2), moist, 60% well graded fine to coarse sand, 40% non to low plastic fines.	5
5						0906	0	ML		4.5 to 7 ft. SANDY SILT: grayish brown (10YR 5/2), moist, 60% non to low plastic fines, 40% well graded fine to coarse sand.	5
7					9-025 (Soil 8-9 ft. bgs)	0906	0	SM		7 to 8.5 ft. SILTY SAND: brown (10YR 4/3), wet, 50% well graded fine to coarse sand, 50% non to low plastic fines.	0
8.5						0910	163	CL		8.5 to 12 ft. SANDY CLAY: dark greenish gray (Gley1 4/10GY), moist to wet, 70% medium to high plastic fines, 30% poorly graded fine to medium sand, trace fine gravel, strong petroleum odor.	0
12					9-026 (Water 2-12 ft. bgs)	0910	93.8				0
										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-4 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,289.35 (NAD 83)
Date Started: October 15, 2009	Easting: 1,978,226.92 (NAD 83)
Date Completed: October 15, 2009	Ground Surface Elevation: 10.57 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0											10
0 to 3 ft.					9-027 (Soil 1-2 ft. bgs)	1001	0	ML		0 to 3 ft. SANDY SILT: dark gray (10YR 3/1), moist, 70% low plastic fines, 30% poorly graded fine to medium sand, trace fine gravel.	
3 to 4.5 ft.						1009	0			3 to 4.5 ft. SANDY SILT: gray (10YR 5/1), dry to moist, 60% non to low plastic fines, 40% well graded fine to medium sand.	
4.5 to 6 ft.						1018	0	SM		4.5 to 6 ft. SILTY SAND: grayish brown (10YR 5/2), dry, 60% well graded fine to coarse sand, 40% nonplastic fines.	5
6 to 7.5 ft.						1018	15.2	CL		6 to 7.5 ft. SANDY CLAY: dark yellowish brown (10YR 4/4), moist to wet, 70% medium to high plastic fines, 30% poorly graded fine to medium sand.	
7.5 to 8 ft.					9-028 (Soil 7-8 ft. bgs)	1018	15.2	SM		7.5 to 8 ft. SILTY SAND: greenish gray (Gley1 5/10GY), wet, 70% poorly graded fine to coarse sand, 30% nonplastic fines, trace fine subrounded gravel, strong petroleum odor.	
8 to 11 ft.						1021	8.5	CL		8 to 11 ft. SANDY CLAY: greenish gray (Gley1 5/10GY), moist, 70% medium to high plastic fines, 30% poorly graded fine to medium, slight petroleum odor.	0
11 to 12 ft.					9-029 (Water 2-12 ft. bgs)	1021	8.9			11 to 12 ft. SANDY CLAY: brown (10YR 4/3), wet, 60% medium to high plastic fines, 40% poorly graded fine to medium sand, gray mottling.	
<p>Notes: hand auger to 5 ft. direct push from 5 to 12 ft.</p>											

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-5 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,286.94 (NAD 83)
Date Started: October 16, 2009	Easting: 1,978,280.66 (NAD 83)
Date Completed: October 16, 2009	Ground Surface Elevation: 10.12 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.5 ft. TOPSOIL	
0.5					9-030 (Soil 1-2 ft. bgs)	0730	0	ML		0.5 to 3 ft. SILT WITH SAND: dark gray (10YR 3/1), moist, 80% low plastic fines, 20% poorly graded fine to coarse sand, trace fine gravel.	
3						0736	0	SM		3 to 4.5 ft. SANDY SILT: grayish brown (10YR 5/2), dry to moist, wet, 70% non to low plastic fines, 30% well graded fine to coarse sand, trace fine gravel.	
4.5						0749	0.2			4.5 to 7 ft. SANDY SILT: grayish brown (10YR 5/2), dry to moist, 60% non to low plastic fines, 40% well graded fine to coarse sand.	5
7					9-031 (Soil 7-8 ft. bgs)	0749	0	CL		7 to 7.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 60% poorly graded fine to coarse sand, 40% nonplastic fines.	
7.5						0754	0.2	CL		7.5 to 10.5 ft. SANDY CLAY: dark grayish brown (10YR 4/2), moist, 70% medium to high plastic fines, 30% poorly graded fine to medium sand.	
9					9-032 (Water 2-12 ft. bgs)	0754	1.3	SM		9 to 10.5 ft. SANDY CLAY: dark grayish brown (10YR 4/2), wet, 70% medium to high plastic fines, 30% poorly graded fine to medium sand.	
10.5								CL		10.5 to 11 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 60% poorly graded fine to coarse sand, 40% nonplastic fines.	
11										11 to 12 ft. SANDY CLAY: dark grayish brown (10YR 4/2), moist, 60% medium to high plastic fines, 40% poorly graded fine to medium sand.	
Notes: hand auger to 5 ft. direct push from 5 to 12 ft.											

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-6 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,315.72 (NAD 83)
Date Started: October 15, 2009	Easting: 1,978,248.87 (NAD 83)
Date Completed: October 15, 2009	Ground Surface Elevation: 11.17 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 3.5 ft. SANDY SILT: dark gray (10YR 3/1), dry to moist, 70% non to low plastic fines, 30% poorly graded fine to medium sand, trace fine gravel.	10
3.5					9-033 (Soil 1-2 ft. bgs)	0739	0	ML			
4						0747	0			3.5 to 4 ft. SANDY SILT: dark gray (10YR 4/1), dry to moist, 60% non to low plastic fines, 40% well graded fine to medium sand, trace fine gravel.	
4.5						0749	0	SM			
5								ML		4 to 4.5 ft. SILTY SAND: dark gray (10YR 4/1), dry to moist, 60% well graded fine to coarse sand, 40% nonplastic fines, trace fine subrounded gravel.	5
6.5					9-034 (Soil 7-8 ft. bgs)	0749	0	SM		4.5 to 6.5 ft. SANDY SILT: grayish brown (10YR 5/2), dry to moist, 60% non to low plastic fines, 40% poorly graded fine to coarse sand.	
8.5						0758	0			6.5 to 8.5 ft. SILTY SAND: brown (10YR 4/3), wet, 70% well graded fine to coarse sand, 30% nonplastic fines, trace fine subangular to subrounded gravel.	
10					9-035 (Water 2-12 ft. bgs)	0758	0	ML		8.5 to 12 ft. SANDY SILT: brown (10YR 4/3), moist, 60% low plastic fines, 40% poorly graded fine to medium sand, trace fine gravel.	0
12											
15											
										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-7 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,282.49 (NAD 83)
Date Started: March 15, 2010	Easting: 1,978,313.79 (NAD 83)
Date Completed: March 15, 2010	Ground Surface Elevation: 10.06 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)		
5 10 15	▼		<p>1" Diameter Schedule 40 PVC</p> <p>1" Diameter Schedule 40 PVC Screen (0.010 Slot)</p>		9-148 (Soil 1-2 ft. bgs)	1036	3	CL		0 to 3.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand, trace fine gravel.	5 0 -5		
						1039	2						
						1055	2.8	ML		3.5 to 6 ft. SANDY SILT: light brownish gray (10YR 6/2), dry to moist, 70% nonplastic fines, 30% poorly graded fine to medium sand.			
						1055	2.6	SM		6 to 7 ft. SILTY SAND: dark yellowish brown (10YR 4/4), wet, 50% poorly graded fine to coarse sand.			
								CL		7 to 9 ft. CLAY WITH SAND: dark yellowish brown (10YR 4/4), moist, 80% medium to high plastic fines, 20% poorly graded fine sand, trace gravel, greenish gray (Gley 1 5/10GY) mottling.			
								SM		9 to 10.5 ft. SILTY SAND: greenish gray (Gley 1 5/10GY), wet, 70% well graded fine to medium sand, 30% nonplastic fines, slight petroleum odor.			
					9-149 (Soil 9.5-10.5 ft. bgs) 9-150 (Water 2-12 ft. bgs) 9-219 (Water 2-12 ft. bgs)		4			10.5 to 12 ft. CLAY WITH SAND: dark yellowish brown (10YR 4/4), moist to wet, 80% medium to high plastic fines, 20% poorly graded fine sand, gray mottled.			
<p>Notes: bgs = below ground surface AMSL = above mean sea level NA = not applicable</p>													

CTO 009 - SBHP - LOG CTO09-1.GPJ FSTRW_SA.GDT 1/7/12

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-8 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,250.81 (NAD 83)
Date Started: March 15, 2010	Easting: 1,978,297.84 (NAD 83)
Date Completed: March 15, 2010	Ground Surface Elevation: 10.70 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0 5 10 15			1" Diameter Schedule 40 PVC 1" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-151 (Soil 1-2 ft. bgs)	0825	0	ML		0 to 0.5 ft. SANDY SILT: very dark gray (10YR 3/1), dry to moist, 70% low to medium plastic fines, 20% well graded fine to coarse sand, 10% fine gravel.	10 5 0 -5
						0829	0	CL		0.5 to 4 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
						0839	0	ML		4 to 6 ft. SANDY SILT: light brownish gray (10YR 6/2), dry to moist, 70% nonplastic fines, 30% poorly graded fine sand.	
						0839	2.4			6 to 7.5 ft. SANDY SILT: dark yellowish brown (10YR 4/4), wet, 60% medium plastic fines, 40% poorly graded fine sand, trace gravel.	
						0841	0.7	CL		7.5 to 10 ft. CLAY WITH SAND: dark yellowish brown (10YR 4/4), dry, 80% medium to high plastic fines, 20% poorly graded fine sand, trace fine gravel.	
						0841	4.6			10 to 11 ft. SANDY CLAY: greenish gray (Gley1 5/10GY), wet, 70% medium to high plastic fines, 30% poorly graded fine sand, slight petroleum odor. 11 to 12 ft. CLAY WITH SAND: dark yellowish brown (10YR 4/4), moist, 80% medium to high plastic fines, 20% poorly graded fine sand, trace fine gravel.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING ZR-SBHP-9 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / D. Harrison	Northing: 6,110,314.47 (NAD 83)
Date Started: March 15, 2010	Easting: 1,978,300.06 (NAD 83)
Date Completed: March 15, 2010	Ground Surface Elevation: 10.66 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5 10 15			1" Diameter Schedule 40 PVC 1" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-154 (Soil 1-2 ft. bgs)	1245	0.5	CL		0 to 3.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand, roots.	10
						1247	0				
						1300	0				5.5 to 7 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 70% poorly graded fine to coarse sand, 30% nonplastic fines.
						1300	0				7 to 7.5 ft. SANDY SILT: dark grayish brown (10YR 4/2), wet, 70% non to low plastic fines, 30% poorly graded fine to medium sand, trace fine gravel.
						1305	0.4				7.5 to 8 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 70% poorly graded fine to medium sand, 30% subangular to subrounded fine sand.
						1305	0				8 to 12 ft. CLAY WITH SAND: dark yellowish brown (10YR 4/4), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand, trace fine gravel.
Notes: hand auger to 5 ft. direct push from 5 to 12 ft.											

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING WZR-4 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,110,292.36 (NAD 83)
Date Started: December 1, 2010	Easting: 1,978,230.52 (NAD 83)
Date Completed: December 1, 2010	Ground Surface Elevation: 11.02 Feet AMSL (NAVD 88)
Total Depth: 10.2 Feet bgs	Top of Casing Elevation: 11.00 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								ML		0 to 3 ft. SILT WITH SAND: brown (10YR 5/3), moist, 80% medium plastic fines, 20% poorly graded fine sand.	10
3			← Annular Seal (Cement-Bentonite Grout)					GP		3 to 6 ft. POORLY GRADED GRAVEL: brown (10YR 5/3), moist, 100% poorly graded fine gravel, geotextile fabric at 3 ft.	5
6			← Transitional Seal (Bentonite Pellets)					GM		6 to 10 ft. SILTY GRAVEL: brown (10YR 5/3), wet, 70% poorly graded fine gravel, 30% nonplastic fines, trace fine sand.	0
10			← Filter Pack (#2/16 Sand) ← 2" Diameter Schedule 40 PVC Screen (0.010 Slot) ← Bottom Cap							Note: Well drilled through backfilled excavation. Soil samples were not collected. Log based on excavation backfill record.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING WZR-5 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,110,285.75 (NAD 83)
Date Started: December 1, 2010	Easting: 1,978,312.41 (NAD 83)
Date Completed: December 1, 2010	Ground Surface Elevation: 10.04 Feet AMSL (NAVD 88)
Total Depth: 10.0 Feet bgs	Top of Casing Elevation: 9.68 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0	CL		0 to 3.5 ft. CLAY WITH SAND: black (10YR 2/1), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
3.5			← Annular Seal (Cement-Bentonite Grout)				0				
4.5			← Transitional Seal (Bentonite Pellets)				0	ML		3.5 to 4.5 ft. SANDY SILT: brown (10YR 5/3), moist, 70% nonplastic fines, 30% poorly graded fine to medium sands.	
5			← Filter Pack (#2/16 Sand)				0			4.5 to 6 ft. SILT WITH SAND: brown (10YR 5/3), moist, 80% low plastic fines, 20% poorly graded fine to medium sand.	5
6			← 2" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-508	1215	7.3			6 to 8.5 ft. SANDY SILT: brown (10YR 5/3), wet, 55% non to low plastic fines, 45% poorly graded fine sand.	
8.5			← Bottom Cap				0.8				
10							0.9	CL		8.5 to 10 ft. CLAY WITH SAND: brown (10YR 5/3), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	0
<p>Note: Hand auger to 5 ft.</p>											

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING WZR-6 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,110,282.64 (NAD 83)
Date Started: December 1, 2010	Easting: 1,978,360.07 (NAD 83)
Date Completed: December 1, 2010	Ground Surface Elevation: 9.76 Feet AMSL (NAVD 88)
Total Depth: 10.5 Feet bgs	Top of Casing Elevation: 9.46 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						1015	0.1	ML		0 to 1 ft. SILT WITH SAND: black (10YR 2/1), moist, 80% nonplastic fines, 20% poorly graded fine sand.	9.76
1								CL		1 to 3 ft. CLAY WITH SAND: black (10YR 2/1), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
3							0	ML		3 to 5.5 ft. SANDY SILT: yellowish brown (10YR 5/6), moist, 70% nonplastic fines, 30% poorly graded fine sand.	5
5							0			5.5 to 6 ft. SANDY SILT: yellowish brown (10YR 5/6), wet, 60% medium plastic fines, 40% poorly graded fine to medium sand.	
6							0			6 to 8 ft. SILT WITH SAND: yellowish brown (10YR 5/6), wet, 80% medium plastic fines, 20% poorly graded fine sand, trace fine gravel (calcareous nodules).	
8						1040	3.6			8 to 9 ft. SANDY SILT: yellowish brown (10YR 5/6) with greenish gray (Gley2 5BG 6/1), wet, 60% nonplastic fines, 40% poorly graded fine sand.	
9							71	CL		9 to 10.5 ft. SANDY CLAY: Dark yellowish brown (10YR 4/4), moist, 70% medium to high plastic fines, 30% poorly graded fine sand.	0
10					9-507	1052	2.7				
										Notes: Hand auger to 5 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

CTO 009 - SBHP - LOG CTO09-1.GPJ FSTRW_SA.GDT 1/27/12

TETRA TECH EC, INC.

LOG OF BORING WZR-7 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,110,203.93 (NAD 83)
Date Started: December 2, 2010	Easting: 1,978,349.75 (NAD 83)
Date Completed: December 2, 2010	Ground Surface Elevation: 9.99 Feet AMSL (NAVD 88)
Total Depth: 7.6 Feet bgs	Top of Casing Elevation: 9.58 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0			0 to 4 ft. SILT WITH SAND: black (10YR 2/1), moist, 80% nonplastic fines, 20% poorly graded fine sand.	
0			Annular Seal (Cement-Bentonite Grout)				0	ML			
0.1			Transitional Seal (Bentonite Pellets)				0.1				
5			Filter Pack (#2/16 Sand)		9-510	1300	0.9			4 to 4.5 ft. SILT WITH SAND: brown (10YR 5/3), moist, 80% nonplastic fines, 20% poorly graded fine sand. 4.5 to 6 ft. SANDY SILT: brown (10YR 5/3), wet, 60% nonplastic fines, 40% poorly graded fine sand.	5
			2" Diameter Schedule 40 PVC Screen (0.010 Slot)				0.2	GM		6 to 6.5 ft. SILTY GRAVEL: brown (10YR 5/3), moist, 50% poorly graded coarse gravel, 40% fine sand, 10% nonplastic fines.	
							0.1	ML			
								CL		6.5 to 7 ft. SILT WITH SAND: brown (10YR 5/3), moist, 80% medium plastic fines, 20% poorly graded fine sand, trace fine gravel.	
										7 to 7.6 ft. CLAY: brown (10YR 5/3), moist, 90% high plastic fines, 10% poorly graded fine sand.	
										Notes: Hand auger to 5 ft.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING WZR-8 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,110,162.85 (NAD 83)
Date Started: December 2, 2010	Easting: 1,978,298.97 (NAD 83)
Date Completed: December 2, 2010	Ground Surface Elevation: 11.10 Feet AMSL (NAVD 88)
Total Depth: 10.0 Feet bgs	Top of Casing Elevation: 10.77 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0	ML		0 to 4 ft. SILT WITH SAND: black (10YR 2/1), moist, 80% nonplastic fines, 20% poorly graded fine sand.	10
0			← Annular Seal (Cement-Bentonite Grout)				0				
0			← Transitional Seal (Bentonite Pellets)				0.3			4 to 5.5 ft. SANDY SILT: brown (10YR 5/3), moist, 70% nonplastic fines, 30% poorly graded fine sand.	
5			← Filter Pack (#2/16 Sand)				0.6	ML		5.5 to 7 ft. GRAVELY SILT: brown (10YR 5/3), moist, 60% low to medium plastic fines, 30% poorly graded angular gravel, 10% fine sand.	5
			← 2" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-509	1130	1.1	ML		7 to 7.5 ft. SANDY SILT: brown (10YR 5/3), moist, 80% medium plastic fines, 20% poorly graded fine sand, trace angular gravel.	
			← Bottom Cap				1.1	CL		7.5 to 8.5 ft. SANDY SILT: brown (10YR 5/3), wet, 60% nonplastic fines, 40% poorly graded fine sand.	
10										8.5 to 10 ft. CLAY: brown (10YR 5/3), moist, 90% high plastic fines, 10% poorly graded fine sand.	
										Notes: Hand auger to 5 ft.	0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

SUMP 63

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TETRA TECH EC, INC.

LOG OF BORING S63-SB-1 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,309.34 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,196.31 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 10.91 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A




Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.7 ft. ASPHALT	10.91
0.7							0	SM		0.7 to 3.5 ft. SILTY SAND: gray (Gley1 5/N), dry to moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.10 ft.	10.21
3.5					9-103 (Soil 4-4.5 ft. bgs)	0852	0.6			3.5 to 4.5 ft. SILTY SAND: dark gray (Gley1 4/N), moist, 50% well graded fine to coarse, 50% non to low plastic, trace fine gravel.	5.41

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-10 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,135.73 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,643.80 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 8.83 Feet AMSL (NAVD 88)
Total Depth: 4.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-112 (Soil 3.5-4 ft. bgs)	1415	0	SM		0 to 0.2 ft. SAND AND GRAVEL 0.2 to 3.5 ft. SILTY SAND: yellowish brown (10YR 5/4), dry, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.67 ft.	5
	ML		3.5 to 4 ft. SANDY SILT: dark grayish brown (10YR 4/2), dry to moist, 60% low plastic fines, 40% poorly graded fine to medium sand, trace fine gravel.								

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-11 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,117.39 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,690.62 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 8.40 Feet AMSL (NAVD 88)
Total Depth: 4.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0	SM		0 to 1.5 ft. SILTY SAND WITH GRAVEL: dark grayish brown (10YR 4/2), dry, 40% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines.	
1.5										1.5 to 3.5 ft. SILTY SAND: dark yellowish brown (10YR 4/4), dry, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.5 ft.	
3.5					9-113 (Soil 3.5-4 ft. bgs)	1432	0	ML		3.5 to 4 ft. SANDY SILT: dark gray (10YR 4/1), moist, 60% non to low plastic fines, 40% well graded fine to coarse gravel, trace fine gravel.	5
5											0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-12 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,099.17 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,737.68 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 7.91 Feet AMSL (NAVD 88)
Total Depth: 4.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0	SM		0 to 3 ft. SILTY SAND: grayish brown (10YR 5/2), dry, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2 ft.	5
3					9-114 (Soil 3-4 ft. bgs)	1450	0	ML		3 to 4 ft. SANDY SILT: dark gray (10YR 4/1), moist, 60% non to low plastic fines, 60% poorly graded fine to coarse sand.	5
5											0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-13 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,080.26 (NAD 83)
Date Started: October 20, 2009	Easting: 1,978,784.80 (NAD 83)
Date Completed: October 20, 2009	Ground Surface Elevation: 7.46 Feet AMSL (NAVD 88)
Total Depth: 3.5 Feet bgs	Top of Casing Elevation: N/A





Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0	SM		0 to 0.5 ft. SILTY SAND WITH GRAVEL: grayish brown (10YR 5/2), dry to moist, 40% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines. 0.5 to 3 ft. SILTY SAND: grayish brown (10YR 5/2), dry to moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.0 ft.	5
3					9-115 (Soil 3-3.5 ft. bgs)	0810	0	ML		3 to 3.5 ft. SILT WITH SAND: dark grayish brown (10YR 4/2), dry to moist, 80% low to medium plastic fines, 20% poorly graded fine to medium sand.	0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-14 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,062.15 (NAD 83)
Date Started: October 20, 2009	Easting: 1,978,831.49 (NAD 83)
Date Completed: October 20, 2009	Ground Surface Elevation: 8.34 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-116 (Soil 4-4.5 ft. bgs)	0830	0	ML		0 to 2.5 ft. SANDY SILT: dark gray (10YR 4/1), dry, 60% low plastic fines, 40% well graded fine to coarse sand, trace fine gravel.	5
	SM		2.5 to 4 ft. SILTY SAND: grayish brown (10YR 5/2), moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 3.0 ft.								
	ML		4 to 4.5 ft. SANDY SILT: dark gray (10YR 4/1), moist, 60% low plastic fines, 40% well graded fine to coarse sand.								

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-15 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,043.31 (NAD 83)
Date Started: October 20, 2009	Easting: 1,978,879.46 (NAD 83)
Date Completed: October 20, 2009	Ground Surface Elevation: 8.43 Feet AMSL (NAVD 88)
Total Depth: 5.0 Feet bgs	Top of Casing Elevation: N/A






Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0	ML		0 to 2.9 ft. SANDY SILT: dark gray (10YR 3/1), dry to moist, 70% medium plastic fines, 30% well graded fine to coarse sand, trace fine gravel.	
2.9								SM		2.9 to 4.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), dry to moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 3.33 ft.	5
4.5					9-117 (Soil 4.5-5 ft. bgs)	0911	0.1	ML		4.5 to 5 ft. SILT WITH SAND: dark gray (10YR 4/1), dry to moist, 80% medium plastic fines, 20% poorly graded fine to coarse sand.	0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-16 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,025.37 (NAD 83)
Date Started: October 20, 2009	Easting: 1,978,924.48 (NAD 83)
Date Completed: October 20, 2009	Ground Surface Elevation: 8.13 Feet AMSL (NAVD 88)
Total Depth: 5.0 Feet bgs	Top of Casing Elevation: N/A





Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-118 (Soil 4.5-5 ft. bgs)	0949	0	SM		0 to 0.5 ft. SILTY SAND WITH GRAVEL: dark Gray (10YR 4/1), dry to moist, 40% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines.	5
	ML		0.5 to 3 ft. SILT WITH SAND: dark gray (10YR 3/1), dry, 80% low plastic fines, 20% well graded fine to coarse sand, trace fine gravel.								
	SM		3 to 4.5 ft. SILTY SAND: grayish brown (10YR 5/2), dry to moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 3.33 ft.								
	ML		4.5 to 5 ft. SANDY SILT: dark grayish brown (10YR 4/2), dry to moist, 60% non to low plastic fines, 40% well graded fine to coarse sand.								

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-17 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,015.47 (NAD 83)
Date Started: October 20, 2009	Easting: 1,978,948.77 (NAD 83)
Date Completed: October 20, 2009	Ground Surface Elevation: 8.15 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A




Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-119 (Soil 4-4.5 ft. bgs)			SM		0 to 0.5 ft. SILTY SAND WITH GRAVEL: dark grayish brown (10YR 4/2), dry to moist, 40% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines.	
							ML		0.5 to 2.7 ft. SILT WITH SAND: dark gray (10YR 4/1), dry to moist, 80% low plastic fines, 20% poorly graded fine to medium sand.		
							ML		2.7 to 2.8 ft. CONCRETE. 2.8 to 5 ft. SILT WITH SAND: dark gray (10YR 4/1), dry to moist, 80% low plastic fines, 20% poorly graded fine to medium sand. Top of pipe at 3.17 ft.	5	
							2.2				

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-18 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,113,984.59 (NAD 83)
Date Started: October 20, 2009	Easting: 1,979,026.69 (NAD 83)
Date Completed: October 20, 2009	Ground Surface Elevation: 8.29 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A





Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-120 (Soil 4-4.5 ft. bgs)	1302	0	CL		0 to 0.2 ft. ASPHALT 0.2 to 4 ft. CLAY WITH SAND: dark gray (10YR 3/1), dry, 80% medium to high plastic fines, 20% poorly graded fine to coarse sand, no pipe found.	5
	ML		4 to 4.5 ft. SANDY SILT: dark gray (10YR 3/1), dry, 70% low plastic fines, 30% poorly graded fine to coarse sand.					0			

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-2 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,288.77 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,252.06 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 10.76 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A


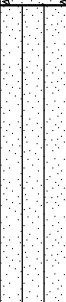


Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-104 (Soil 4-4.5 ft. bgs)	0910	4.4			0 to 0.7 ft. CONCRETE	10
		SM						0.7 to 2 ft. SILTY SAND: gray (Gley1 5/N), dry to moist, 80% well graded fine to coarse sand, 20% nonplastic fines.			
								2 to 4.5 ft. SILTY SAND: dark gray (10YR 4/N), moist, 50% poorly graded fine to coarse sand, 50% low to non plastic fines, trace fine gravel, strong petroleum odor, top of pipe at 2.9 ft.			

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-3 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,266.23 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,309.32 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 9.99 Feet AMSL (NAVD 88)
Total Depth: 4.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.7 ft. CONCRETE	
							0			0.7 to 3.5 ft. SILTY SAND: dark gray (Gley1 4/N), moist to wet, 80% well graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.5 ft.	
					9-104 (Soil 3.5-4 ft. bgs)	0930	4.1			3.5 to 4 ft. SILTY SAND: gray (Gley1 5/N), wet, 50% poorly graded fine to coarse sand, 50% non to low plastic fines, trace fine gravel, strong petroleum odors.	
5											5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-4 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,249.26 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,353.96 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 10.52 Feet AMSL (NAVD 88)
Total Depth: 4.0 Feet bgs	Top of Casing Elevation: N/A






Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.5 ft. ASPHALT	
							0	SM		0.5 to 3.5 ft. SILTY SAND: greenish gray (Gley1 5/N), dry to moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines.	10
					9-106 (Soil 3.5-4 ft. bgs)	0955	2.1	ML		3.5 to 4 ft. SANDY SILT: dark gray (Gley1 4/N), moist, 70% low to medium plastic fines, 30% well graded fine to medium sand, trace fine gravel, slight petroleum odor, pipe not found, located adjacent to electric and gas lines running perpendicular.	5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-5 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,230.31 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,400.78 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 10.17 Feet AMSL (NAVD 88)
Total Depth: 5.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-107 (Soil 4.5-5 ft. bgs)	1030	20.3	SM		0 to 1 ft. SILTY SAND WITH GRAVEL: dark gray (10YR 4/1), dry, 40% poorly graded fine to coarse sand, 40% nonplastic fines, 20% medium subangular to subrounded gravel.	10
	ML		1 to 3 ft. SILT WITH SAND: dark gray (10YR 4/1), dry, 80% low plastic fines, 20% poorly graded fine to medium sand, very stiff.								
	SM		3 to 4.5 ft. SILTY SAND: greenish gray (Gley1 5/N), dry to moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 3.6 ft.								
	ML		4.5 to 5 ft. SANDY SILT: dark greenish gray (Gley1 4/N), dry to moist, 60% low plastic fines, 40% well graded fine to medium sand, trace fine gravel, slight petroleum odor.								

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-6 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,211.66 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,448.01 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 9.97 Feet AMSL (NAVD 88)
Total Depth: 5.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-108 (Soil 4.5-5 ft. bgs)	1105	9.9	SM		0 to 0.5 ft. SILTY SAND WITH GRAVEL: dark grayish brown (10YR 4/2), dry, 40% well graded fine to coarse sand, 20% fine subangular to subrounded gravel, 20% nonplastic fines.	5
	CL		0.5 to 2.9 ft. CLAY WITH SAND: dark gray (10YR 4/1), dry, 80% medium to high plastic fines, 20% poorly graded fine to medium sand, stiff.								
	SM		2.9 to 4.5 ft. SILTY SAND: greenish gray (Gley1 5/N), dry, 80% poorly graded Fine to coarse sand, 20% nonplastic fines, top of pipe at 3.17 ft.								
	CL		4.5 to 5 ft. CLAY WITH SAND: dark gray (Gley1 4/N), moist, 80% medium to high plastic fines, 20% poorly graded fine to medium sand, strong petroleum odor.								

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-7 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,193.89 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,494.57 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 9.54 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A





Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-109 (Soil 4-4.5 ft. bgs)	1300	0	SM		0 to 0.5 ft. SILTY SAND WITH GRAVEL: dark gray (10YR 4/1), gry, 40% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines.	5
	SM	0.5 to 3.5 ft. SILTY SAND: grayish brown (10YR 5/2), dry to moist, 80% poorly graded fine to medium sand, 20% nonplastic fines, top of pipe at 2.75 ft.									
	ML	3.5 to 4.5 ft. SANDY SILT: dark gray (10YR 3/1), moist, 60% low to medium plastic fines, 40% well graded fine to medium fines, trace fine gravel.									
											0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-8 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,175.49 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,540.46 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 9.24 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0	SM		0 to 0.5 ft. SILTY SAND WITH GRAVEL: dark gray (10YR 4/1), dry, 40% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines.	9.24
0.5								SM		0.5 to 4 ft. SILTY SAND: very dark gray (10YR 3/2), dry, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.75 ft.	8.74
4					9-110 (Soil 4-4.5 ft. bgs)	1315	0	ML		4 to 4.5 ft. SILT WITH SAND: dark gray (10YR 3/1), dry to moist, 80% well graded fine to coarse sand, 20% low to medium plastic fines, trace fine gravel.	5.24

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SB-9 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,114,157.98 (NAD 83)
Date Started: October 19, 2009	Easting: 1,978,588.33 (NAD 83)
Date Completed: October 19, 2009	Ground Surface Elevation: 8.93 Feet AMSL (NAVD 88)
Total Depth: 4.5 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0							0			0 to 0.2 ft. SAND AND GRAVEL	
								SM		0.2 to 3 ft. SILTY SAND: grayish brown (10YR 5/2), dry, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.75 ft.	
					9-111 (Soil 4-4.5 ft. bgs)	1335	0	ML		3 to 4.5 ft. SANDY SILT: brown (10YR 4/3), dry to moist, 60% low to medium plastic fines, 40% well graded fine to medium sand, trace fine gravel.	5
5											0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-1 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / L. Dudus	Northing: 6,114,262.00 (NAD 83)
Date Started: March 11, 2010	Easting: 1,978,358.38 (NAD 83)
Date Completed: March 11, 2010	Ground Surface Elevation: 10.34 Feet AMSL (NAVD 88)
Total Depth: 8.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						0756	0	GM		0 to 0.2 ft. ASPHALT	10
0.2						0757	0	CL		0.2 to 2 ft. SILTY GRAVEL WITH SAND: very dark greenish gray (Gley2 3/10BG), dry, 40% well graded subangular to subrounded fine to medium sand, 40% fine to coarse sand, 20% nonplastic fines.	
2						0810	0	ML		2 to 4.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry, 80% medium to high plastic fines, 20% poorly graded fine sand.	
4.5					9-194 (Soil 6-7 ft. bgs) 9-195 (Water 3-8 ft. bgs)	0810	0	SM		4.5 to 6.5 ft. SILT WITH SAND: dark gray (10YR 4/1), dry to moist, 80% low to non plastic fines. 20% poorly graded fine sand.	5
6.5										6.5 to 8 ft. SILTY SAND: greenish gray (Gley2 5/5BG), wet, 50% poorly graded fine to medium sand, 50% nonplastic fines, trace subangular to subrounded fine gravel.	
8										Notes: hand huger to 5 ft. direct push from 5 to 8 ft. depth to water = 5.45	0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-10 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudus	Northing: 6,114,265.15 (NAD 83)
Date Started: October 4, 2011	Easting: 1,978,308.38 (NAD 83)
Date Completed: October 4, 2011	Ground Surface Elevation: 9.89 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.5 ft. CONCRETE	
			← 1" Diameter Schedule 40 PVC					ML		0.5 to 4 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.	
5							54	ML		4 to 5.8 ft. SILT WITH SAND: dark greenish gray (Gley1 4/10Y), moist, 80% nonplastic fines, 20% poorly graded fine sand.	5
					9-574 Soil	1300	93	ML		5.8 to 7 ft. SANDY SILT: dark greenish gray (Gley1 4/10Y), moist to wet, 65% nonplastic fines, 35% poorly graded fine sand, 5% gravel.	
					9-575 Soil	1310	4.9	ML		7 to 8 ft. SANDY SILT: dark greenish gray (Gley 1 4/10Y), wet, 55% nonplastic fines, 40% poorly graded fine to medium sand, 5% gravel.	
10			← 1" Diameter Schedule 40 PVC Screen (0.010 Slot)				100	CL		8 to 10 ft. CLAY WITH SAND: brown (10YR 5/3), moist, 80% medium to high plastic fines, 20% poorly graded fine sand, trace gravel.	0
					9-576 Water		2.1	SM		10 to 12 ft. SILTY SAND: brown (10YR 5/3), wet, 60% poorly graded fine to medium sand, 40% nonplastic fines.	
15										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-11 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudus	Northing: 6,114,270.34 (NAD 83)
Date Started: October 4, 2011	Easting: 1,978,309.82 (NAD 83)
Date Completed: October 4, 2011	Ground Surface Elevation: 9.88 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.5 ft. CONCRETE	
			← 1" Diameter Schedule 40 PVC					ML		0.5 to 4 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.	
5					9-577 Soil	1450		ML		4 to 5 ft. SILT WITH SAND: dark greenish gray (Gley1 4/10Y), moist, 80% nonplastic fines, 20% poorly graded fine sand.	5
					9-578 Soil	1500		ML		5 to 7 ft. SANDY SILT: dark greenish gray (Gley1 4/10Y), moist, 60% nonplastic fines, 35% poorly graded fine to medium sand, 5% gravel.	
					9-579 Water			ML		7 to 7.5 ft. SANDY SILT: dark greenish gary (Gley1 4/10Y), moist, 55% nonplastic fines, 40% poorly graded fine to medium sand, 5% gravel.	
10			← 1" Diameter Schedule 40 PVC Screen (0.010 Slot)					CL		7.5 to 9 ft. CLAY WITH SAND: brown (10YR 5/3), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
								ML		9 to 10 ft. SANDY SILT: brown (10YR 5/3), moist, 70% nonplastic fines, 30% poorly graded fine sand.	0
								SM		10 to 12 ft. SILTY SAND: brown (10YR 5/3), moist, 80% poorly graded fine to medium sand, 20% nonplastic fines.	
15										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-12 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudas	Northing: 6,114,261.75 (NAD 83)
Date Started: October 4, 2011	Easting: 1,978,307.37 (NAD 83)
Date Completed: October 4, 2011	Ground Surface Elevation: 9.85 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.5 ft. CONCRETE	
			1" Diameter Schedule 40 PVC					ML		0.5 to 4 ft. SILT: black (10YR 2/1), moist, 90% non to low plastic fines, 10% poorly graded fine sand.	
5			1" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-580 Soil	1540		ML		4 to 5 ft. SILT WITH SAND: dark greenish gray (Gley 1 4/10Y), moist, 80% nonplastic fines, 20% poorly graded fine sand.	5
					9-581 Soil	1550		ML		5 to 6 ft. SILT WITH SAND: dark greenish gray (Gley 1 4/10Y), moist, 75% low plastic fines, 25% poorly graded fine sand, trace gravel.	
								ML		6 to 8 ft. SANDY SILT: dark greenish gray (Gley 1 4/10Y), moist, 60% low plastic fines, 30% poorly graded fine to medium sand, 10% round and angular gravel, calcareous nodules.	
10								CL		8 to 10 ft. CLAY WITH SAND: brown (10YR 5/3), wet, 80% medium to high plastic fines, 20% poorly graded fine sand.	0
								SM		10 to 11.5 ft. SILTY SAND: brown (10YR 5/3), wet, 60% poorly graded fine to medium sand, 40% nonplastic fines.	
								ML		11.5 to 12 ft. SILT: brown (10YR 5/3), moist, 90% nonplastic fines, 10% poorly graded fine sand, trace gravel, calcareous nodules.	
15										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

LOG OF BORING S63-SBHP-13 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudus	Northing: 6,114,213.30 (NAD 83)
Date Started: October 5, 2011	Easting: 1,978,448.04 (NAD 83)
Date Completed: October 5, 2011	Ground Surface Elevation: 9.86 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								GM		0 to 0.5 ft. SILTY GRAVEL WITH SAND: gray (10YR 6/1), dry, 50% poorly graded fine subangular gravel, 30% fine to medium sand, 20% nonplastic fines.	
0.5								ML		0.5 to 3.5 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.	
3.5								SM		3.5 to 4.5 ft. SILTY SAND: gray (10YR 6/1), moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines.	
4.5					9-583 Soil	0800		ML		4.5 to 5.5 ft. SILT WITH SAND: dark gray brown (10YR 4/2), moist, 80% nonplastic fines, 20% poorly graded fine sand.	5
5.5								ML		5.5 to 7.5 ft. SILT: dark greenish gray (Gley1 4/5GY), moist, 90% non to low plastic fines, 10% poorly graded fine sand, strong odor.	
7.5					9-584 Soil	0820		GM		7.5 to 8 ft. SILT GRAVEL: dark greenish gray (Gley1 4/5GY), moist, 50% poorly graded angular gravel, 45% low plastic fines, 5% fine sand, calcareous nodules.	
8								CL		8 to 9.8 ft. GRAVELLY CLAY: brown (10YR 5/3), wet, 60% medium to high plastic fines, 30% poorly graded angular gravel, 10% fine sand.	0
9.8					9-585 Water			ML		9.8 to 12 ft. SILT WITH SAND: brown (10YR 5/3), wet, 80% nonplastic fines, 20% poorly graded fine sand, trace gravel, calcareous nodules.	
										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-14 (Sheet 1 of 1)

Client: US Navy

Drilling Company: RSI Drilling

Project: 106-3570

Drilling Method: Direct Push Methodology

Project Number: CTO 009

Sampling Method: Direct Push Technology

Location: Moffett Airfield

Borehole Diameter: 4 in.

Geologist: L. Dudus

Northing: 6,114,209.21 (NAD 83)

Date Started: October 5, 2011

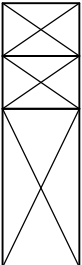

Easting: 1,978,446.94 (NAD 83)

Date Completed: October 5, 2011

Ground Surface Elevation: 9.90 Feet AMSL (NAVD 88)

Total Depth: 12.0 Feet bgs

Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0 5 10 15			<p>1" Diameter Schedule 40 PVC</p> <p>1" Diameter Schedule 40 PVC Screen (0.010 Slot)</p>		<p>9-586 Soil</p> <p>9-587 Soil</p> <p>5-588 Water</p>	<p>911</p> <p>915</p>		GM		0 to 0.5 ft. SILTY GRAVEL WITH SAND: dry, 50% poorly graded fine subrounded gravel, 30% fine to medium sand, 20% nonplastic fines.	9.90
	ML	0.5 to 4.5 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.									
	ML	4.5 to 5.5 ft. SILT WITH SAND: dark brown (10YR 4/2), moist, 80% nonplastic fines, 20% poorly graded fine to medium sand.									
	ML	5.5 to 7.8 ft. SILT: greenish gray (Gley1 5/5GY), moist, 90% non to medium plastic fines, 10% poorly graded sand, trace gravel, moderate odor.									
	GM	7.8 to 8.5 ft. SILTY GRAVEL: greenish gray (Gley1 5/5GY), moist to wet, 50% poorly graded angular gravel, 45% medium plastic fines, 5% sand.									
	CL	8.5 to 9.8 ft. CLAY: greenish gray (Gley 5/5GY), moist to wet, 90% medium to high plastic fines, 10% poorly graded fine sand, trace gravel.									
	ML	9.8 to 10.5 ft. SILT WITH SAND: brown (10YR 4/3), wet, 75% medium plastic fines, 25% poorly graded fine to medium sand.									
	ML	10.5 to 11.5 ft. SANDY SILT: brown (10YR 4/3), wet, 65% low plastic fines, 35% poorly graded fine to medium sand, trace gravel.									
	ML	11.5 to 12 ft. SILT: yellowish brown (10YR 5/6), moist, 90% medium plastic fines, 10% poorly graded fine sand.									

Notes: bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-15 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudus	Northing: 6,114,214.97 (NAD 83)
Date Started: October 5, 2011	Easting: 1,978,449.17 (NAD 83)
Date Completed: October 5, 2011	Ground Surface Elevation: 9.66 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								GW-GM		0 to 0.5 ft. WELL GRADED GRAVEL WITH SILT AND SAND: gray (10YR 6/1), dry, 50% poorly graded gravel, 30% fine sand, 20% nonplastic fines.	9.66
0.5								ML		0.5 to 5 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.	5
5					9-589 Soil	1025		ML		5 to 6 ft. SILT WITH SAND: dark grayish brown (10YR 4/2), moist, 80% medium plastic fines, 20% poorly graded fine to medium sand.	5
6					9-590 Soil	1030		ML		6 to 7 ft. SILT: dark greenish gray (Gley1 4/5GY), moist, 90% medium plastic fines, 10% poorly graded fine sand.	5
7					9-591 Water			CL		7 to 8.5 ft. CLAY: dark greenish gray (Gley1 4/5GY), moist, 90% medium to high plastic fines, 10% poorly graded fine sand, slight odor,	5
8.5								ML		8.5 to 9.5 ft. SILT WITH SAND: brown (10YR 5/3), wet, 80% medium plastic fines, 15% poorly graded fine to medium sand, 5% angular gravel, calcareous nodules.	0
9.5								ML		9.5 to 11 ft. SANDY SILT: brown (10YR 5/3), wet, 65% nonplastic fines, 35% poorly graded fine sand, trace gravel.	0
11								CL		11 to 12 ft. CLAY: brown (10YR 5/3), moist, 90% medium to high plastic fines, 10% poorly graded fine sand.	0
12										Notes: hand auger to 5 ft. direct push fro 5 to 12 ft.	-10

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-2 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / L. Dudus	Northing: 6,114,251.77 (NAD 83)
Date Started: March 10, 2010	Easting: 1,978,354.86 (NAD 83)
Date Completed: March 10, 2010	Ground Surface Elevation: 10.38 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.3 ft. ASPHALT	10
0.3						1519	0	GM		0.3 to 2 ft. SILTY GRAVEL WITH SAND: very dark greenish gray (Gley2 3/BG), dry, 40% well graded subangular to subrounded fine gravel, 40% fine sand, 20% nonplastic fines.	
2						1526	0	ML		2 to 4.5 ft. SILT WITH SAND: very dark gray (10YR 3/1), dry, 80% low to medium plastic fines, 20% poorly graded fine sand, trace fine gravel.	
4.5						1526	0	ML		4.5 to 6.5 ft. SANDY SILT: dark gray (10YR 4/1), dry, 70% nonplastic fines, 30% poorly graded fine to medium sand.	5
6.5					9-196 (Soil 6-7 ft. bgs)	1529	0	SM		6.5 to 7.5 ft. SILTY SAND: greenish gray (Gley2 5/5BG), wet, 50% poorly graded fine to medium sand, 50% nonplastic fines, trace subangular to subrounded fine gravel, slight petroleum odor.	
7.5						1531	0	ML		7.5 to 9 ft. SANDY SILT: greenish gray (Gley2 5/5BG), wet, 60% medium plastic fines, 30% poorly graded fine to medium sand, 10% fine gravel.	
9						1531	0	SM		9 to 10 ft. SANDY SILT: greenish gray (Gley2 5/5BG), moist, 80% medium plastic fines, 20% poorly graded fine sand.	0
10						1531	0	SM		10 to 11 ft. SANDY SILT: brown (10YR 4/3), moist, 80% medium plastic fines, 20% fine sand.	
11										11 to 12 ft. SILTY SAND: brown (10YR 4/3), wet, 80% poorly graded fine to medium sand, 20% nonplastic fines.	
12										Notes: hand auger to 5 ft. direct push from 5 to 12 ft. depth to water = 5.75	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-3 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / L. Dudus	Northing: 6,114,237.66 (NAD 83)
Date Started: March 11, 2010	Easting: 1,978,349.66 (NAD 83)
Date Completed: March 11, 2010	Ground Surface Elevation: 10.44 Feet AMSL (NAVD 88)
Total Depth: 8.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						0850	0	GM		0 to 0.2 ft. ASPHALT	10
0.2						0852	0	CL		0.2 to 2 ft. SILTY GRAVEL WITH SAND: very dark greenish gray (Gley2 3/10G), dry, 40% well graded subangular to subrounded fine to coarse gravel, 40% fine to coarse sand, 20% nonplastic fines. 2 to 4.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry, 80% medium to high plastic fines, 20% poorly graded fine sand.	
4.5						0856	0	ML		4.5 to 6.5 ft. SILT WITH SAND: dark gray (10YR 4/1), dry, 80% low plastic fines, 20% poorly graded fine sand.	5
6.5					9-199 (Soil 6-7 ft. bgs) 9-200 (Water 3-8 ft. bgs)	0856	0	SM		6.5 to 8 ft. SILTY SAND: greenish gray (Gley2 5/5BG), wet, 50% poorly graded fine to coarse sand, 50% nonplastic fines, trace subangular to subrounded fine gravel.	
8.0										Notes: hand auger to 5 ft. direct push from 5 to 8 ft. depth to water = 5.80	0

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-4 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: D. Almanza	Northing: 6,114,216.49 (NAD 83)
Date Started: December 20, 2010	Easting: 1,978,396.30 (NAD 83)
Date Completed: December 20, 2010	Ground Surface Elevation: 10.11 Feet AMSL (NAVD 88)
Total Depth: 8.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								GW-GM		0 to 0.3 ft. ASPHALT	
0.3								CL		0.3 to 1.5 ft. WELL GRADED GRAVEL WITH SILT AND SAND: very dark gray (10YR 3/1), dry to moist, 50% well graded subangular to subrounded fine to coarse gravel, 40% fine to coarse sand, 10% nonplastic fines.	
1.5							0	ML		1.5 to 3 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
3								CL		3 to 4 ft. SILT WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% low plastic fines, 20% poorly graded fine sand.	
4					9-527 (Soil - 6 ft. bgs)	1200	0	ML		4 to 5.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	5
5.5							0	SM		5.5 to 6 ft. SANDY SILT: light greenish gray (Gley1 7/10GY), moist, 70% low plastic fines, 30% poorly graded fine sand.	
6					9-528 (Water 3-8 ft. bgs)	1215	0	ML		6 to 7 ft. SILTY SAND: greenish gray (Gley1 5/10GY), moist, 70% poorly graded fine sand, 30% nonplastic fines.	
7							0	SM		7 to 8 ft. SILTY SAND: greenish gray (Gley1 5/10GY), wet, 80% poorly graded fine sand, 20% nonplastic fines.	
8										8 to 9.5 ft. SILT WITH SAND: very dark gray (10YR 3/1), moist to wet, 80% low plastic fines, 20% poorly graded fine sand.	
9.5										9.5 to 10 ft. SILTY SAND: brown (10YR 4/3), moist to wet, 80% poorly graded fine to medium sand, 20% nonplastic fines.	
10										10 to 12 ft. No recovery.	
<p>Notes: hand auger to 5 ft. direct push from 5 to 8 ft. depth to water = 5.73</p>											

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-5 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: D. Almanza	Northing: 6,114,230.32 (NAD 83)
Date Started: December 20, 2010	Easting: 1,978,403.48 (NAD 83)
Date Completed: December 20, 2010	Ground Surface Elevation: 10.08 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								CL		0 to 1.5 ft. SANDY CLAY: very dark gray (10YR 3/1), dry, 60% poorly graded fine to coarse sand, 40% medium to high plastic fines.	10.08
1.5								SP-SM		1.5 to 2.5 ft. POORLY GRADED SAND WITH SILT: very dark gray (10YR 3/1), moist, 90% fine to medium sand, 10% nonplastic fines.	8.58
2.5								SW		2.5 to 5 ft. WELL GRADED SAND: light gray (2.5YR 7/2), moist to wet, 95% fine to coarse sand, 5% nonplastic fines.	5.08
5								SP-SM		5 to 6 ft. POORLY GRADED SAND WITH SILT: bluish gray (Gley2 5/10G), moist, 90% fine sand, 10% nonplastic fines.	5.08
6								SM		6 to 12 ft. SILTY SAND: bluish gray (Gley2 5/10G), moist to wet, 80% fine sand, 20% nonplastic fines, strong petroleum odor.	5.08
12											
10.08										Notes: hand auger to 5 ft. direct push from 7 to 12 ft. depth to water = 5.51	5.08

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-6 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: D. Almanza	Northing: 6,114,242.10 (NAD 83)
Date Started: December 20, 2010	Easting: 1,978,407.46 (NAD 83)
Date Completed: December 20, 2010	Ground Surface Elevation: 9.99 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: N/A




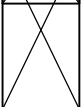

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								GW-GM		0 to 0.2 ft. ASPHALT	9.99
0.2								CL		0.2 to 1.5 ft. WELL GRADED GRAVEL WITH SILT AND SAND: Very Dark Gray (10YR 3/1), Dry to Moist, 50% Well Graded Fine to Coarse Gravel, 40% Fine to Coarse Sand, 10% Nonplastic Fines.	
1.5								ML		1.5 to 3 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
3								ML		3 to 4.5 ft. SILT WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% low plastic fines, 20% poorly graded fine sand.	
4.5					9-522 (Soil -4.5 to 5 ft. bgs)	0845	0	ML		4.5 to 6 ft. SILT WITH SAND: dark gray (10YR 4/1), dry to moist, 80% low plastic fines, 20% poorly graded fine sand.	5.07
6							0	ML		6 to 8.3 ft. SILT WITH SAND: greenish gray (Gley2 5/10G), moist, 80% low plastic fines, 20% poorly graded fine sand.	
8.3							0	SM		8.3 to 9.5 ft. SILTY SAND: light yellowish brown (10YR 6/4), moist to wet, 80% fine sand, 20% nonplastic fines.	
9.5					9-523 (Water 7-12 ft. bgs)	0915	0	CL		9.5 to 10 ft. CLAY WITH SAND: light yellowish brown (10YR 6/4), dry, 80% high plastic fines, 20% poorly graded fine sand.	10.07
10							0	CL		10 to 12 ft. No recovery.	
<p>Notes: hand auger to 5 ft. direct push from 7 to 12 ft. depth to water = 5.07</p>											

Notes: bgs = below ground surface
AMSL = above mean sea level
NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-7 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudus	Northing: 6,114,287.79 (NAD 83)
Date Started: October 4, 2011	Easting: 1,978,250.63 (NAD 83)
Date Completed: October 4, 2011	Ground Surface Elevation: 10.63 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.5 ft. CONCRETE	
								ML		0.5 to 4 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.	10
5			1" Diameter Schedule 40 PVC		9-564 Soil	1030		ML		4 to 5.5 ft. SANDY SILT: greenish gray (Gley1 5/10Y), moist to wet, 60% medium plastic fines, 40% poorly graded fine sand, strong odor.	
								ML		5.5 to 6.5 ft. SILT WITH SAND: dark greenish gray (Gley1 4%/GY), moist to wet, 80% medium plastic fines, 20% poorly graded fine sand, moderate odor.	5
										6.5 to 8 ft. NO RECOVERY	
					9-565 Soil	1024		CL		8 to 10 ft. CLAY WITH SAND: brown (10YR 4/3), moist to wet, 80% medium to high plastic fines, 20% poorly graded fine to medium sand, no odor.	
10			1" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-566 Water	1345		SM		10 to 12 ft. SILTY SAND: brown (10YR 4/3), wet, 60% low plastic fines, 40% poorly graded fine to medium sand.	0
								CL		12 to 14 ft. CLAY: brown (10YR 5/3), moist, 90% medium to high plastic fines, 10% poorly graded fine sand.	
15								ML		14 to 16 ft. SILT: brown (10YR 5/3), moist, 90% low plastic fines, 10% poorly graded fine sand, trace gravel.	-5
<p>Notes: hand auger to 5 ft. direct push from 5 to 16 ft.</p>											

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-8 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudus	Northing: 6,114,284.03 (NAD 83)
Date Started: October 4, 2011	Easting: 1,978,249.36 (NAD 83)
Date Completed: October 4, 2011	Ground Surface Elevation: 10.67 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.5 ft. CONCRETE	
								ML		0.5 to 4 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.	10
5			1" Diameter Schedule 40 PVC		9-567 Soil	1055		ML		4 to 5 ft. SANDY SILT: dark greenish gray (Gley1 4/10Y), moist, 70% nonplastic fines, 30% poorly graded fine sand.	
								ML		5 to 6 ft. SILT: brown (10YR 5/3), moist, 90% medium plastic fines, 10% poorly graded fine sand.	5
								ML		6 to 6.5 ft. SILT WITH SAND: brown (10YR 5/3), moist to wet, 75% medium plastic fines, 25% poorly graded fine sand.	
								ML		6.5 to 11 ft. SANDY SILT: brown (10YR 5/3), wet, 70% nonplastic fines, 30% poorly graded fine to medium sand.	
10			1" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-568 Soil 9-569 Water	1110		ML		11 to 12 ft. SILTY SAND: brown (10YR 5/3), wet, 70% nonplastic fines, 30% poorly graded fine to medium sand.	0
15										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING S63-SBHP-9 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: L. Dudus	Northing: 6,114,292.12 (NAD 83)
Date Started: October 4, 2011	Easting: 1,978,252.14 (NAD 83)
Date Completed: October 4, 2011	Ground Surface Elevation: 10.58 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation:

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.5 ft. CONCRETE	
								ML		0.5 to 4 ft. SILT: black (10YR 2/1), moist, 90% nonplastic fines, 10% poorly graded fine sand.	10
5			← 1" Diameter Schedule 40 PVC		9-570 Soil	1200		ML		4 to 6 ft. SILT WITH SAND: greenish gray (Gley1 5/10Y), moist, 75% nonplastic fines, 25% poorly graded fine sand.	5
								ML		6 to 8 ft. SILT: brown (10YR 5/3), moist to wet, 90% medium plastic fines, 10% poorly graded fine sand.	
10			← 1" Diameter Schedule 40 PVC Screen (0.010 Slot)		9-571 Soil	1215		CL		8 to 11 ft. CLAY WITH SAND: brown (10YR 5/3), wet, 80% high plastic fines, 20% poorly graded fine sand.	0
					9-572 Water			SP-SM		11 to 12 ft. POORLY GRADED SAND WITH SILT: brown (10YR 5/3), wet, 90% poorly graded fine to medium sand, 10% nonplastic fines.	
15										Notes: hand auger to 5 ft. direct push from 5 to 12 ft.	-5

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable



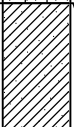
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TETRA TECH EC, INC.

LOG OF BORING UST58-SB-1 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,937.87 (NAD 83)
Date Started: October 21, 2009	Easting: 1,973,830.20 (NAD 83)
Date Completed: October 21, 2009	Ground Surface Elevation: 32.63 Feet AMSL (NAVD 88)
Total Depth: 3.0 Feet bgs	Top of Casing Elevation: N/A

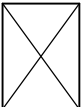


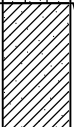
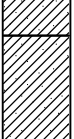
Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-132 (Soil 2.5-3 ft. bgs)	0906	0	SM		0 to 0.3 ft. CONCRETE	30
	CL		0.3 to 1 ft. SILTY SAND WITH GRAVEL: dark gray (10YR 4/1), dry to moist, 60% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines. 1 to 3 ft. SANDY CLAY: dark greenish gray (Gley 1 4/5G), moist, 60% medium to high plastic fines, 30% well graded fine to coarse sand, 10% fine to medium gravel, bottom of catch basin at 1.5 ft.								

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SB-2 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,110,976.11 (NAD 83)
Date Started: October 21, 2009	Easting: 1,973,819.02 (NAD 83)
Date Completed: October 21, 2009	Ground Surface Elevation: 32.59 Feet AMSL (NAVD 88)
Total Depth: 3.5 Feet bgs	Top of Casing Elevation: N/A




Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-133 (Soil 3-3.5 ft. bgs)	0922	21.7			0 to 0.4 ft. CONCRETE	30
		SM						0.4 to 1 ft. SILTY SAND WITH GRAVEL: dark gray (10YR 4/1), dry to moist, 60% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines.			
		CL						1 to 2.5 ft. CLAY WITH SAND: dark gray (10YR 4/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine to medium sand, bottom of catch basin at 1.5 ft.			
										2.5 to 3.5 ft. SANDY CLAY: dark Greenish Gray (Gley1 4/10GY), Moist, 70% Medium to High Plastic Fines, 30% Poorly Graded Fine to Coarse Sand, Petroleum Odor.	25

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SB-3 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,111,014.81 (NAD 83)
Date Started: October 21, 2009	Easting: 1,973,807.83 (NAD 83)
Date Completed: October 21, 2009	Ground Surface Elevation: 32.60 Feet AMSL (NAVD 88)
Total Depth: 3.0 Feet bgs	Top of Casing Elevation: N/A



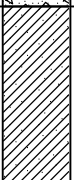
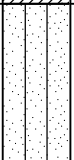

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
										0 to 0.3 ft. CONCRETE	
							0	CL		0.3 to 2.5 ft. CLAY WITH SAND: dark gray (10YR 4/1), dry to moist, 80% medium to high plastic fines, 20% well graded fine to coarse sand, trace fine gravel, bottom of catch basin at 1.5 ft.	
					9-134 (Soil 2.5-3 ft. bgs)	0940	0.1			2.5 to 3 ft. SANDY CLAY: dark greenish gray (Gley1 4/10Y), moist, 70% medium to high plastic fines, 20% well graded fine to coarse sand, 10% fine gravel, slight petroleum odor.	30
5											
											25

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SB-4 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,111,035.21 (NAD 83)
Date Started: October 21, 2009	Easting: 1,973,800.28 (NAD 83)
Date Completed: October 21, 2009	Ground Surface Elevation: 32.99 Feet AMSL (NAVD 88)
Total Depth: 4.0 Feet bgs	Top of Casing Elevation: N/A





Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-135 (Soil 3.5-4 ft. bgs)	1002	0			0 to 0.3 ft. CONCRETE	30
		CL						0.3 to 2 ft. CLAY WITH SAND: dark gray (10YR 4/1), dry to moist, 80% medium to high plastic fines, 20% well graded fine to coarse sand, trace fine gravel.			
		SM						2 to 3.5 ft. SILTY SAND: yellowish brown (10YR 5/6), dry to moist, 80% poorly graded fine to coarse sand, 20% nonplastic fines, top of pipe at 2.17 ft.			
							0			3.5 to 4 ft. SILTY SAND WITH GRAVEL: brown (10YR 4/3), dry to moist, 60% well graded fine to coarse sand, 20% fine to medium subangular to subrounded gravel, 20% nonplastic fines.	25

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SB-5 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Air Vacuum
Project Number: CTO 009	Sampling Method: Split Soil Core Sampler
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,111,048.08 (NAD 83)
Date Started: October 21, 2009	Easting: 1,973,845.29 (NAD 83)
Date Completed: October 21, 2009	Ground Surface Elevation: 34.06 Feet AMSL (NAVD 88)
Total Depth: 3.5 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
5					9-147 (Soil 3-3.5 ft. bgs)	1018	0.5			0 to 0.3 ft. CONCRETE	30
			0.3 to 1 ft. ROAD BASE								
			ML 1 to 3.5 ft. SILT WITH SAND: very dark grayish brown (10YR 3/3), dry to moist, 80% non to low plastic fines, 20% well graded fine to coarse sand, trace fine gravel, pipe not observed.								
											25

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-1 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,111,057.19 (NAD 83)
Date Started: October 9, 2009	Easting: 1,973,868.47 (NAD 83)
Date Completed: October 15, 2009	Ground Surface Elevation: 33.89 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						1105	0	GM		0 to 0.3 ft. ASPHALT	
0.3						1110	0	CL		0.3 to 3.5 ft. SILTY GRAVEL WITH SAND: dark yellowish brown (10YR 4/6), moist, 40% well graded fine to medium subangular to subrounded gravel, 40% fine to coarse sand, 20% nonplastic fines.	
3.5						1110	5.7	CL		3.5 to 4.5 ft. CLAY WITH SAND: very dark brown (10YR 2/2), moist to wet, 75% high plastic fines, 20% well graded fine to coarse sand, 5% fine gravel.	30
4.5						1458	39.5	CL		4.5 to 8 ft. SANDY CLAY: dark greenish gray (Gley1 4/10GY), moist to wet, 70% high plastic fines, 20% well graded fine to coarse sand, 10% fine gravel, strong petroleum odor and staining.	
8						1458	47.7	CL			
8						1501	53.5	CL		8 to 14 ft. CLAY WITH SAND: dark greenish gray (Gley1 4/10GY), moist to wet, 80% high plastic fines, 20% poorly graded fine to medium sand, strong petroleum odor.	25
14						1501	47.4	CL			
15						1505	59.4	SM		14 to 15 ft. SILTY SAND: very dark greenish gray (Gley1 3/5G), wet, 80% poorly graded fine to coarse sand, 20% nonplastic fines.	20
15						1505	100	CL		15 to 16 ft. CLAY WITH SAND: very dark greenish gray (Gley1 3/5G), moist to wet, 80% high plastic fines, 20% poorly graded fine to medium sand.	
										Notes: hand auger to 5 ft. direct push from 5 to 16 ft.	15

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-2 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,111,021.63 (NAD 83)
Date Started: October 9, 2009	Easting: 1,973,898.83 (NAD 83)
Date Completed: October 9, 2009	Ground Surface Elevation: 33.73 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						0735	0	GM		0 to 0.3 ft. ASPHALT	33.73
0.3						0746	0	CL		0.3 to 2.3 ft. SILTY GRAVEL WITH SAND: brown (10YR 4/3), moist, 40% well graded fine to coarse subangular to subrounded gravel, 40% fine to coarse sand, 20% nonplastic fines.	33.0
2.3								ML		2.3 to 3.5 ft. SANDY CLAY: black (10YR 2/1), moist, 70% medium to high plastic fines, 30% poorly graded fine to coarse sand, trace gravel, gray mottling.	32.5
3.5								CL		3.5 to 6 ft. SANDY SILT: dark gray (10YR 3/1), dry to moist, 50% low plastic fines, 50% fine to coarse sand, trace gravel.	32.0
6						0755	0	CL		6 to 9 ft. CLAY WITH SAND: very dark greenish gray (Gley1 3/10Y), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine to medium sand, trace gravel.	31.5
9						0801	0			9 to 13.5 ft. CLAY WITH SAND: greenish gray (Gley1 5/N), moist, 80% high plastic fines, 20% poorly graded fine sand, trace gravel.	31.0
12						0801	0			12 ft. Color change to dark greenish gray (Gley1 4/10Y)	30.5
13.5						0808	0	SM		13.5 to 16 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 55% poorly graded fine to medium sand, 45% non to low plastic fines.	30.0
16						0808	0			Notes: hand auger to 5 ft. direct push from 5 to 16 ft.	29.73

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

CTO 009 - SBHP - LOG CTO09-1.GPJ FSTRW_SA.GDT 1/26/12

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-3 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,111,049.81 (NAD 83)
Date Started: October 9, 2009	Easting: 1,973,908.50 (NAD 83)
Date Completed: October 9, 2009	Ground Surface Elevation: 33.74 Feet AMSL (NAVD 88)
Total Depth: 20.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						0840	0	GM		0 to 0.2 ft. ASPHALT	33.74
0.2						0845	0	ML		0.2 to 1.5 ft. SILTY GRAVEL WITH SAND: brown (10YR 4/3), dry to moist, 40% well graded fine to medium subangular to subrounded gravel, 40% fine to coarse sand, 20% nonplastic fines.	33.54
1.5						0854	0	ML		1.5 to 4.5 ft. SANDY SILT: black (10YR 2/1), dry to moist, 70% low plastic fines, 30% poorly graded fine to medium sand, trace gravel.	32.24
4.5						0854	0	ML		4.5 to 6 ft. SILT WITH SAND: greenish gray (Gley1 5/10Y), dry to moist, 80% low plastic fines, 20% poorly graded fine to medium sand.	29.24
6						0859	0	CL		6 to 8 ft. SANDY SILT: dark grayish brown (10YR 4/2), dry to moist, 70% non to low plastic fines, 30% poorly graded fine to medium sand.	27.74
8						0859	0	ML		8 to 11 ft. CLAY WITH SAND: dark gray (10YR 3/1), moist, 80% medium to high plastic fines, 20% poorly graded fine to medium sand.	25.74
11						0905	0	CL		11 to 12 ft. SILT WITH SAND: greenish gray (Gley1 5/10Y), moist, 80% low to medium plastic fines, 20% poorly graded fine to medium sand, trace gravel.	22.74
12					9-140 (Soil 14-15 ft. bgs)	0905	0	SM		12 to 13.5 ft. CLAY WITH SAND: dark greenish gray (Gley1 4/10Y), moist, 80% medium to high plastic fines, 20% poorly graded Fine to medium sand.	21.74
13.5						0909	0	SM		13.5 to 14.5 ft. SANDY CLAY: dark greenish gray (Gley1 4/10Y), moist, 60% medium to high plastic fines, 40% poorly graded fine to medium sand.	20.24
14.5					9-141 (Water 10-20 ft. bgs)	0909	0			14.5 to 20 ft. SILTY SAND: dark yellowish brown (10YR 3/4), moist to wet, 60% poorly graded fine to medium sand, 40% non to low plastic fines.	19.24
19										19 ft. dark yellowish brown (10YR 3/4) changing to very dark greenish gray (Gley1 3/10GY)	14.24

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-4 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Technology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma	Northing: 6,111,073.95 (NAD 83)
Date Started: October 9, 2009	Easting: 1,973,881.89 (NAD 83)
Date Completed: October 9, 2009	Ground Surface Elevation: 33.68 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								GM		0 to 0.2 ft. ASPHALT	
0.2								ML		0.2 to 2 ft. SILTY GRAVEL SAND: dark brown (10YR 3/6), moist, 40% well graded fine to coarse subangular to subrounded gravel, 40% fine to coarse sand, 20% nonplastic fines.	
2										2 to 3.5 ft. SANDY SILT: black (10YR 2/1), dry to moist, 60% non to low plastic fines, 40% non to low plastic fines, trace fine gravel.	
3.5										3.5 to 7 ft. SANDY SILT: dark greenish gray (Gley1 4/5G), dry to moist, 70% non to low plastic fines, 30% poorly graded fine to medium sand, petroleum odor.	
7					9-142 (Soil 7-8 ft. bgs)	1018	91.6	CL		7 to 10.5 ft. SANDY CLAY: dark greenish gray (Gley1 4/5G), moist, 70% medium to high plastic fines, 30% fine to medium sand, strong petroleum odor.	
10.5								SM		10.5 to 12 ft. SILTY SAND: dark greenish gray (Gley1 4/5G), moist to wet, 60% poorly graded fine to coarse sand, 40% non to low plastic fines, strong petroleum odor.	
12								CL		12 to 14 ft. SANDY CLAY: dark greenish gray (Gley1 4/10GY), moist to wet, 70% high plastic fines, 30% poorly graded fine to coarse sand.	
14								SM		14 to 16 ft. SILTY SAND: dark brown (10YR 3/3), moist to wet, 70% poorly graded fine to coarse sand, 30% non to low plastic fines.	
15.41										Notes: hand auger to 5 ft. direct push from 5 to 16 ft. depth to water = 15.41 ft.	

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-5 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / L. Dudus	Northing: 6,111,073.30 (NAD 83)
Date Started: March 11, 2010	Easting: 1,973,904.52 (NAD 83)
Date Completed: March 11, 2010	Ground Surface Elevation: 33.71 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						1055	1.5	GM		0 to 0.3 ft. ASPHALT	
0.3						1101	3.5	ML		0.3 to 1 ft. SILTY GRAVEL WITH SAND: Very dark gray (10YR 3/1), dry, 40% well graded subangular to subrounded fine gravel, 40% fine to coarse sand, 20% nonplastic fines.	
1						1106	0.9			1 to 4 ft. SILT WITH SAND: very dark gray (10YR 3/1), dry, 80% non to low plastic fines, 20% poorly graded fine sand.	30
4						1106	44.2	CL		4 to 6 ft. SILT WITH SAND: dark gray (10YR 4/1), dry, 80% non plastic fines, 20% poorly graded fine sand.	
6						1110	91.8	CL		6 to 9 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand, petroleum odor.	25
9					9-023 (Soil 9-10 ft. bgs)	1110	38	ML		9 to 10 ft. CLAY WITH SAND: greenish gray (Gley1 5/10GY), dry to moist, 80% high plastic fines, 20% poorly graded fine sand, slight petroleum odor.	
10						1110	38	ML		10 to 10.5 ft. SANDY SILT: greenish gray (Gley1 5/10GY), wet, 60% nonplastic fines, 40% poorly graded fine sand.	
10.5						1111	0.8	CL		10.5 to 13 ft. CLAY WITH SAND: greenish gray (Gley1 5/10GY), moist, 80% high plastic fines, 20% poorly graded fine sand, slight odor.	20
13						1111	0	CL		13 to 16 ft. CLAY WITH SAND: dark grayish brown (10YR 4/2), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
<p>Notes: hand auger to 5 ft. direct push from 5 to 16 ft. depth to water = 7.05</p>											15

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-6 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / L. Dudus	Northing: 6,111,090.87 (NAD 83)
Date Started: March 11, 2010	Easting: 1,973,896.19 (NAD 83)
Date Completed: March 11, 2010	Ground Surface Elevation: 33.81 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0								GM		0 to 0.3 ft. ASPHALT	
0.3								CL		0.3 to 1 ft. SILTY GRAVEL WITH SAND: very dark gray (10YR 3/1), dry, 40% well Graded subangular to subrounded fine gravel, 40% fine to coarse sand, 20% nonplastic fines.	
1								ML		1 to 3.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry, 80% medium to high plastic fines, 20% poorly graded fine sand.	30
3.5								ML		3.5 to 7 ft. SILT WITH SAND: dark gray (10YR 4/1), dry, 80% non to low plastic fines, 20% poorly graded fine sand,	
7								CL		7 to 9 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% high plastic fines, 20% poorly graded fine sand, petroleum odor.	
9					9-205 (Soil 9-10 ft. bgs)	1320	20.4	CL		9 to 10.5 ft. CLAY WITH SAND: greenish gray (Gley1 5/10GY), moist, 80% high plastic fines, 20% poorly graded fine sand, petroleum odor.	25
10.5								ML		10.5 to 11 ft. SANDY SILT: greenish gray (Gley1 5/10GY), wet, 60% nonplastic fines, 40% poorly graded fine to medium sand.	
11								ML		11 to 12 ft. SILT WITH SAND: dark grayish brown (10YR 4/2), moist, 80% medium plastic fines, 20% poorly graded fine sand, slight petroleum odor.	
12								SM		12 to 14 ft. SANDY SILT: dark grayish brown (10YR 4/2), moist to wet, 70% medium plastic fines, 30% poorly graded fine sand.	20
14								SM		14 to 16 ft. SILTY SAND: dark grayish brown (10YR 4/2), moist to wet, 60% poorly graded fine sand, 40% nonplastic fines.	
16										Notes: hand auger to 5 ft. bgs direct push from 5 to 16 ft. bgs	15

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-7 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / L. Dudus	Northing: 6,111,092.27 (NAD 83)
Date Started: March 11, 2010	Easting: 1,973,878.77 (NAD 83)
Date Completed: March 11, 2010	Ground Surface Elevation: 33.66 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						1343	0	GW-GM		0 to 0.2 ft. ASPHALT	
0.2						1345	0	CL		0.2 to 1.5 ft. WELL GRADED GRAVEL WITH SILT AND SAND: dark yellowish brown (10YR 4/4), wet, 70% well graded subangular to subrounded fine to coarse gravel, 20% fine to coarse sand, 10% nonplastic fines.	
1.5						1351	0	ML		1.5 to 3.5 ft. CLAY WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	30
3.5						1351	24			3.5 to 6 ft. SILT WITH SAND: dark gray (10YR 4/1), dry to moist, 80% non to low Plastic fines, 20% poorly graded fine sand.	
6						1353	1.1	CL		6 to 9 ft. SILT WITH SAND: very dark gray (10YR 3/1), dry to moist, 80% low to medium plastic fines, 20% poorly graded fine sand, slight petroleum odor.	25
9						1353	0.4	SM		9 to 10.5 ft. CLAY WITH SAND: greenish gray (Gley1 5/10GY), dry to moist, 80% high plastic fines, 20% poorly graded fine sand.	
10.5						1357	0	ML		10.5 to 11.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), wet, 60% poorly graded fine to medium sand, 40% nonplastic fines.	
11.5						1357	0			11.5 to 12 ft. SILT WITH SAND: dark grayish brown (10YR 4/2), moist, 80% low plastic fines, 20% poorly graded fine sand.	20
12						1357	0			12 to 16 ft. SANDY SILT: dark yellowish brown (10YR 4/4), moist, 70% non to low plastic fines, 30% poorly graded fine sand.	
Notes:										hand auger to 5 ft. direct push from 5 to 16 ft. depth to water = 5.10 ft.	15

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING UST58-SBHP-8 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Direct Push Methodology
Project Number: CTO 009	Sampling Method: Direct Push Technology
Location: Moffett Airfield	Borehole Diameter: 4 in.
Geologist: B. Bartelma / L. Dudus	Northing: 6,110,978.37 (NAD 83)
Date Started: March 12, 2010	Easting: 1,973,821.10 (NAD 83)
Date Completed: March 12, 2010	Ground Surface Elevation: 32.72 Feet AMSL (NAVD 88)
Total Depth: 16.0 Feet bgs	Top of Casing Elevation: N/A

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0						0744	8.6	GW		0 to 0.3 ft. CONCRETE	
0.3						0748	0	ML		0.3 to 1 ft. SILTY GRAVEL WITH SAND: dark grayish brown (10YR 4/2), moist, 40% well graded subangular to subrounded fine to coarse gravel, 40% fine to coarse sand, 20% nonplastic fines.	30
1						0802	0.5	CL		1 to 3 ft. SILT WITH SAND: very dark gray (10YR 3/1), moist, 80% medium plastic fines, 20% poorly graded fine sand.	
3						0802	18	CL		3 to 7.5 ft. CLAY WITH SAND: dark gray (10YR 4/1), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
7.5					9-209 (Soil 7-8 ft. bgs)	0802	18	ML		7.5 to 9 ft. SANDY SILT: greenish gray (Gley1 5/10GY), moist to wet, 70% medium plastic fines, 30% poorly graded fine to medium sand, petroleum odor.	25
9						0805	0.5	CL		9 to 9.5 ft. CLAY: greenish gray (Gley1 5/10GY), moist, 90% high plastic fines, 10% poorly graded fine sand.	
9.5						0805	0.5	SM		9.5 to 10.5 ft. SILTY SAND: dark grayish brown (10YR 4/2), moist, 70% poorly graded fine to coarse sand, 30% nonplastic fines.	
10.5					9-210 (Water 6-16 ft. bgs)	0805	0.5	GW		10.5 to 16 ft. SILTY GRAVEL WITH SAND: dark yellowish brown (10YR 4/4), wet, 40% well graded angular to subangular fine gravel, 40% fine to coarse sand, 20% nonplastic fines.	20
15						0811	0	GW			
16						0811	0				
Notes:										hand auger to 5 ft. direct push from 5 to 16 ft. depth to water = 4.55 ft.	15

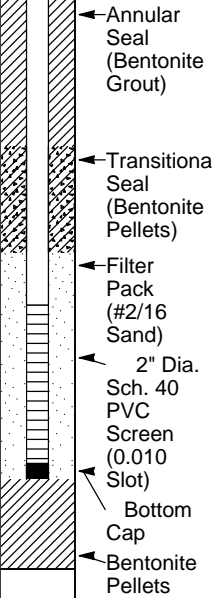
Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING W58-2 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,111,081.46 (NAD 83)
Date Started: December 3, 2010	Easting: 1,973,901.05 (NAD 83)
Date Completed: December 3, 2010	Ground Surface Elevation: 33.75 Feet AMSL (NAVD 88)
Total Depth: 13.0 Feet bgs	Top of Casing Elevation: 33.19 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.3 ft. ASPHALT	
0.3										0.3 to 0.8 ft. ROAD BASE	
0.8							9.8	ML		0.8 to 3.5 ft. SILT WITH SAND: black (10YR 2/1), moist, 80% medium plastic fines, 20% poorly graded fine sand.	
2.2							22				
3.5							33.5	CL		3.5 to 9.3 ft. CLAY WITH SAND: dark gray (10YR 4/1), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	30
5							195				
6.5							430			Strong petroleum odor from 6.5 to 7 ft. Color change to dark greenish gray (Gley1 10Y 4/1), very strong petroleum odor from 7 to 10.5 ft.	
7							330				
7.5							380	ML		9.3 to 11 ft. SANDY SILT: dark greenish gray (Gley1 10Y 4/1), wet, 70% low plastic fines, 30% poorly graded fine sand.	25
10							250				
11							36	CL		11 to 13 ft. CLAY WITH SAND: brown (10YR 4/3), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	20
13							3.4				15



9-511

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING W58-3 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,111,061.84 (NAD 83)
Date Started: December 3, 2010	Easting: 1,973,933.98 (NAD 83)
Date Completed: December 3, 2010	Ground Surface Elevation: 34.12 Feet AMSL (NAVD 88)
Total Depth: 13.0 Feet bgs	Top of Casing Elevation: 33.69 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.3 ft. ASPHALT	
0.3										0.3 to 0.9 ft. ROAD BASE	
0.9								ML		0.9 to 5 ft. SILT WITH SAND: black (10YR 2/1), moist, 80% medium plastic fines, 20% poorly graded fine sand.	30
5			<ul style="list-style-type: none"> Annular Seal (Bentonite Grout) Transitional Seal (Bentonite Pellets) Filter Pack (#2/16 Sand) 								
5								CL		5 to 12 ft. CLAY WITH SAND: black (10YR 2/1), moist, 80% high plastic fines, 20% poorly graded fine sand.	
10			<ul style="list-style-type: none"> 2" Diameter Schedule 40 PVC Screen (0.010 Slot) Bottom Cap 		9-512	1306				Color change to gray (10YR 5/1)	25
12								ML		12 to 13 ft. SANDY SILT: gray (10YR 5/1), moist, 70% low plastic fines, 30% poorly graded fine sand.	20
15											15

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

TETRA TECH EC, INC.

LOG OF BORING W58-4 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,111,111.15 (NAD 83)
Date Started: December 16, 2010	Easting: 1,973,925.76 (NAD 83)
Date Completed: December 16, 2010	Ground Surface Elevation: 33.99 Feet AMSL (NAVD 88)
Total Depth: 12.0 Feet bgs	Top of Casing Elevation: 33.82 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.3 ft. ASPHALT	
0.3										0.3 to 0.9 ft. ROAD BASE	
0.9							0			0.9 to 6 ft. SILT WITH SAND: black (10YR 2/1), moist, 80% medium plastic fines, 20% poorly graded fine sand.	
0.4							0.4	ML		Fines become non plastic and color changes to dark gray (10YR 4/1)	30
1.6					9-513		1.6				
6							0	CL		6 to 8 ft. CLAY WITH SAND: grayish brown (10YR 4/2), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	
8							0	ML		8 to 11 ft. SANDT SILT: grayish brown (10YR 5/2), moist to wet, 80% medium plastic fines, 20% poorly graded fine sand.	25
11							0	CL		11 to 13 ft. CLAY WITH SAND: grayish brown (10YR 5/2), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	20
12											15


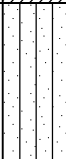





Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

CTO 009 - SBHP - LOG CTO09-1.GPJ FSTRW_SA.GDT 1/26/12

TETRA TECH EC, INC.

LOG OF BORING W58-5 (Sheet 1 of 1)

Client: US Navy	Drilling Company: RSI Drilling
Project: 106-3570	Drilling Method: Hollow-stem auger
Project Number: CTO 009	Sampling Method: Split Core
Location: Moffett Airfield	Borehole Diameter: 6 in.
Geologist: L. Dudus	Northing: 6,111,123.11 (NAD 83)
Date Started: December 16, 2010	Easting: 1,973,897.51 (NAD 83)
Date Completed: December 16, 2010	Ground Surface Elevation: 33.86 Feet AMSL (NAVD 88)
Total Depth: 13.0 Feet bgs	Top of Casing Elevation: 33.34 Feet AMSL (NAVD 88)

Depth (ft.)	Water Level	Well/Boring Completion	Well/Boring Remarks	Samples	Sample Number	Time	PID Readings PPM	USCS	Graphic Log	LITHOLOGIC DESCRIPTION*	Elevation (ft.)
0										0 to 0.3 ft. ASPHALT	
0.3										0.3 to 0.6 ft. ROAD BASE	
0.6							0.1	CL		0.6 to 3 ft. CLAY WITH SAND: black (10YR 2/1), moist, 80% medium to high plastic fines, 20% poorly graded fine to coarse sand.	
3							0				
3							0.1	ML		3 to 6 ft. SILT WITH SAND: gray (10YR 5/1), moist, 80% nonplastic fines, 20% poorly graded fine sand. Color change to gray (10YR 6/1)	30
6							0	ML		6 to 7 ft. SILT WITH SAND: dark grayish brown (10YR 4/2), moist, 80% low to medium plastic fines, 20% poorly graded fine sand.	
7							0	CL		7 to 9.5 ft. CLAY WITH SAND: black (10YR 2/1), moist, 80% medium to high plastic fines, 20% poorly graded fine sand.	25
9.5							0	ML		9.5 to 10 ft. CLAY WITH SAND: gray (10YR 5/1), moist, 80% high plastic fines, 20% poorly graded fine sand.	
10							0	ML		10 to 11.5 ft. SANDY SILT: gray (10YR 5/1), wet, 70% nonplastic fines, 30% poorly graded fine sand.	
11.5							0	CL		11.5 to 13 ft. CLAY WITH SAND: grayish brown (10YR 5/2), moist, 80% high plastic fines, 20% poorly graded fine sand.	20
15											15

← Annular Seal (Bentonite Grout)
 ← Transitional Seal (Bentonite Pellets)
 ← Filter Pack (#2/16 Sand)
 ← 2" Diameter Schedule 40 PVC Screen (0.010 Slot)
 ← Bottom Cap



9-514

Notes: bgs = below ground surface
 AMSL = above mean sea level
 NA = not applicable

APPENDIX C
ANALYTICAL PACKAGE
(on CD only)

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EPA 8260B Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59791

Sample ID: 9-144

APPL ID: AY03538

Sample Collection Date: 09/17/09

QCG: \$86MFW-090928AN-136976

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	09/28/09	09/28/09
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	09/28/09	09/28/09
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	09/28/09	09/28/09
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	09/28/09	09/28/09
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	09/28/09	09/28/09
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	09/28/09	09/28/09
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	09/28/09	09/28/09
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	09/28/09	09/28/09
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	09/28/09	09/28/09
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	09/28/09	09/28/09
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	09/28/09	09/28/09
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	09/28/09	09/28/09
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	09/28/09	09/28/09
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	09/28/09	09/28/09
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	09/28/09	09/28/09
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	09/28/09	09/28/09
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	09/28/09	09/28/09
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	09/28/09	09/28/09
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	09/28/09	09/28/09
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	09/28/09	09/28/09
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	09/28/09	09/28/09
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	09/28/09	09/28/09
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	09/28/09	09/28/09
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	09/28/09	09/28/09
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	09/28/09	09/28/09
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	09/28/09	09/28/09
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	09/28/09	09/28/09
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	09/28/09	09/28/09
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	09/28/09	09/28/09
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	09/28/09	09/28/09
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	09/28/09	09/28/09
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	09/28/09	09/28/09
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	09/28/09	09/28/09
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	09/28/09	09/28/09
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	120	70-120		%	09/28/09	09/28/09
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	115	75-120		%	09/28/09	09/28/09
EPA 8260B	Surrogate: Toluene-D8 (S)	102	85-120		%	09/28/09	09/28/09

Quant Method: N86TTW.M
Run #: 0928N11
Instrument: Neo
Sequence: N090921
Dilution Factor: 1
Initials: DG

Printed: 10/02/09 4:38:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59791

Sample ID: 9-144

APPL ID: AY03538

Sample Collection Date: 09/17/09

QCG: \$TPMFW-090923A-137036

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	09/23/09	09/29/09
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	09/23/09	09/29/09
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	09/23/09	09/29/09
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	09/23/09	09/29/09
EPA 8015B-	Surrogate: Octacosane (S)	107	47-140		%	09/23/09	09/29/09
EPA 8015B-	Surrogate: Ortho-Terphenyl(S)	61.9	47-140		%	09/23/09	09/29/09

Quant Method: TPHD926.M
Run #: 926059
Instrument: Apollo
Sequence: 090926
Dilution Factor: 1
Initials: LA

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59791

Sample ID: 9-144

APPL ID: AY03538

Sample Collection Date: 09/17/09

QCG: \$GSWCT-090930A-137005

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	09/30/09	09/30/09
8015	Surrogate: BFB-FID (S)	89.1	70-130		%	09/30/09	09/30/09

Quant Method: HBTXGM.M
Run #: 0930H06
Instrument: Harpo
Sequence: 090805
Dilution Factor: 1
Initials: LF

Printed: 10/02/09 4:26:13 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-144

Sample Collection Date: 09/17/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 59791

APPL ID: AY03538

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd)	Not detected	0.2	0.02	ug/L	1	09/22/09	09/23/09
6020	Chromium (Cr)	0.49 J	0.5	0.04	ug/L	1	09/22/09	09/23/09
6020	Lead (Pb)	Not detected	0.2	0.11	ug/L	1	09/22/09	09/23/09
6020	Nickel (Ni)	4.8	0.5	0.16	ug/L	1	09/22/09	09/23/09
6020	Zinc (Zn)	10.2 J	20.0	2.30	ug/L	1	09/22/09	09/23/09

J = Estimated value.

Printed: 10/02/09 4:26:05 PM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Wet Lab Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-144

Sample Collection Date: 09/17/09

APPL ID: AY03538

ARF: 59791

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date
EPA 300.0	Nitrate	Not detected	200.0	15.00	ug/L	09/21/09	09/21/09
EPA 300.0	Sulfate	1250000 E	1000	90.0	ug/L	09/21/09	09/21/09
EPA 300.0	Sulfate	909000	15000	2250.0	ug/L	09/21/09	09/21/09

E = The reported value exceeds linear range.

Printed: 10/02/09 4:25:54 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30827

CHAIN-OF-CUSTODY RECORD

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory				
PROJECT LOCATION		PROJECT NO.		8260B - VOCs	TPH - pyrethroids	TPH - extractable	6010B - Cd, Cr, Pb, Ni, Zn	300.0 Nitrate/Sulfate	APPL		LABORATORY ID (FOR LABORATORY)									
SAMPLER NAME		AIRBILL NUMBER							59999		COMMENTS		LOCATION		DEPTH				QC	
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER							START	END	Reg.									
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL	T	T	T	T	T	T		T	T	T	T					
				3 4	E	A	T													
9-TB7	10/9/09	0730	3	X		W	10	X						Trip Blank	/	/	TB			
9-138	10/9/09	0808	7	X		S	10	X	X	X	X			UST58-SBHP-2	14	15	Reg.			
9-140	10/9/09	0905	7	X		S	10	X	X	X	X			UST58-SBHP-3	14	15	Reg.			
9-141	10/9/09	0945	10	X		W	10	X	X	X	X	X		UST58-SBHP-3	10	20	Reg.			
9-142	10/9/09	1018	7	X		S	10	X	X	X	X			UST58-SBHP-4	7	8	Reg.			
9-139	10/9/09	1055	10	X		W	10	X	X	X	X	X		UST58-SBHP-2	11	16	Reg.			
9-EB9	10/9/09	1200	10	X		W	10	X	X	X	X	X		EQUIP. BLANK	/	/	EB			
RELINQUISHED BY (Signature):		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS Field Filter 6010B except 9-EB9 (Rinse Blank)										SAMPLING COMMENT: Moffett Petro Sites					
		10/9																		
COMPANY	DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																
TEC	1500	APPL, Inc.																		
RELINQUISHED BY (Signature):	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY) TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																
COMPANY	DATE	RECEIVED BY (Signature)																		
RELINQUISHED BY (Signature):	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY) TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																
COMPANY	DATE	RECEIVED BY (Signature)																		

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-138

Sample Collection Date: 10/9/2009

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 59999

APPL ID: AY05626

QCG: \$TPMFS-091020A1-137785

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.73	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Surrogate: Octacosane (S)	92.1	47-140		%	10/20/2009	10/23/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1019208
Instrument: Apollo
Sequence: 091019
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 11:52:13 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-140

Sample Collection Date: 10/9/2009

ARF: 59999

APPL ID: AY05627

QCG: \$TPMF5-091020A1-137785

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.30	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Surrogate: Octacosane (S)	90.3	47-140		%	10/20/2009	10/23/2009

AMENDED PAGE

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Quant Method: DMK1013.M
Run #: 1019209
Instrument: Apollo
Sequence: 091019
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 11:52:13 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-141

Sample Collection Date: 10/9/2009

ARF: 59999

APPL ID: AY05628

QCG: \$TPMFW-091015A-137828

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/15/2009	10/23/2009
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/15/2009	10/23/2009
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	10/15/2009	10/23/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/15/2009	10/23/2009
EPA 8015B-	Surrogate: Octacosane (S)	78.3	47-140		%	10/15/2009	10/23/2009

AMENDED PAGE

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Quant Method: DMK1013.M
Run #: 1019251
Instrument: Apollo
Sequence: 091019
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 11:52:13 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-142

APPL ID: AY05629

Sample Collection Date: 10/9/2009

QCG: \$TPMFS-091020A1-137785

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 23.3 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	1300 ++	26.0	16.00	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	JP5	1100	260.0	86.00	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Kerosene	1100	260.0	86.00	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Motor Oil	750	260.0	91.00	mg/Kg	10/20/2009	10/23/2009
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	10/20/2009	10/23/2009

DO = Diluted Out.

++(T11) The analyst has noted that the chromatogram of this sample includes a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK1013.M
Run #: 1019235
Instrument: Apollo
Sequence: 091019
Dilution Factor: 20
Initials: STC

AMENDED PAGE
27

Printed: 12/21/2009 11:52:13 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-139

Sample Collection Date: 10/9/2009

ARF: 59999

APPL ID: AY05630

QCG: \$TPMFW-091015A-137828

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/15/2009	10/23/2009
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/15/2009	10/23/2009
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	10/15/2009	10/23/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/15/2009	10/23/2009
EPA 8015B-	Surrogate: Octacosane (S)	76.8	47-140		%	10/15/2009	10/23/2009

AMENDED PAGE

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Quant Method: DMK1013.M
Run #: 1019256
Instrument: Apollo
Sequence: 091019
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 11:52:13 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-138

APPL ID: AY05626

Sample Collection Date: 10/09/09

QCG: \$86MFS-091014AC2-13846

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.98	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.58	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.96	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.87	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.75	ug/Kg	10/15/09	10/15/09
EPA 8260B	2-Butanone	Not detected	6.1	0.8	ug/Kg	10/15/09	10/15/09
EPA 8260B	2-Hexanone	Not detected	6.1	0.2	ug/Kg	10/15/09	10/15/09
EPA 8260B	4-Methyl-2-pentanone	Not detected	6.1	1.1	ug/Kg	10/15/09	10/15/09
EPA 8260B	Acetone	3.4 J	6.1	3.4	ug/Kg	10/15/09	10/15/09
EPA 8260B	Benzene	Not detected	6.1	0.76	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromoform	Not detected	6.1	0.97	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/15/09	10/15/09
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.97	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chlorobenzene	Not detected	6.1	0.59	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/15/09	10/15/09
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	10/15/09	10/15/09
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	10/15/09	10/15/09
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/15/09	10/15/09
EPA 8260B	Ethylbenzene	Not detected	6.1	0.77	ug/Kg	10/15/09	10/15/09
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/15/09	10/15/09
EPA 8260B	Methylene chloride	Not detected	6.1	5.6	ug/Kg	10/15/09	10/15/09
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	10/15/09	10/15/09
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.65	ug/Kg	10/15/09	10/15/09
EPA 8260B	Toluene	Not detected	6.1	0.79	ug/Kg	10/15/09	10/15/09
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.60	ug/Kg	10/15/09	10/15/09
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.52	ug/Kg	10/15/09	10/15/09
EPA 8260B	Trichloroethene	Not detected	6.1	0.86	ug/Kg	10/15/09	10/15/09
EPA 8260B	Vinyl chloride	Not detected	6.1	2.00	ug/Kg	10/15/09	10/15/09
EPA 8260B	Xylenes	Not detected	6.1	0.82	ug/Kg	10/15/09	10/15/09
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	107	70-140		%	10/15/09	10/15/09
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	98.6	85-120		%	10/15/09	10/15/09
EPA 8260B	Surrogate: Toluene-D8 (S)	98.0	85-115		%	10/15/09	10/15/09

J = Estimated value.

Quant Method: C86TTS.M
Run #: 1014C20
Instrument: Chico
Sequence: C091014
Dilution Factor: 1
Initials: DG

Printed: 11/11/09 9:35:14 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-140

APPL ID: AY05627

Sample Collection Date: 10/09/09

QCG: \$86MFS-091014AC2-13846

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.60	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.98	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.89	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	10/15/09	10/15/09
EPA 8260B	2-Butanone	Not detected	62	0.9	ug/Kg	10/15/09	10/15/09
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	10/15/09	10/15/09
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	10/15/09	10/15/09
EPA 8260B	Acetone	Not detected	62	3.5	ug/Kg	10/15/09	10/15/09
EPA 8260B	Benzene	Not detected	6.2	0.78	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.86	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromoform	Not detected	6.2	0.99	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/15/09	10/15/09
EPA 8260B	Carbon tetrachloride	Not detected	6.2	0.99	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chlorobenzene	Not detected	6.2	0.61	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/15/09	10/15/09
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	10/15/09	10/15/09
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.58	ug/Kg	10/15/09	10/15/09
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	10/15/09	10/15/09
EPA 8260B	Ethylbenzene	Not detected	6.2	0.79	ug/Kg	10/15/09	10/15/09
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	10/15/09	10/15/09
EPA 8260B	Methylene chloride	Not detected	62	5.7	ug/Kg	10/15/09	10/15/09
EPA 8260B	Styrene	Not detected	6.2	0.86	ug/Kg	10/15/09	10/15/09
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	10/15/09	10/15/09
EPA 8260B	Toluene	Not detected	6.2	0.81	ug/Kg	10/15/09	10/15/09
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	10/15/09	10/15/09
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.53	ug/Kg	10/15/09	10/15/09
EPA 8260B	Trichloroethene	Not detected	6.2	0.88	ug/Kg	10/15/09	10/15/09
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	10/15/09	10/15/09
EPA 8260B	Xylenes	Not detected	6.2	0.84	ug/Kg	10/15/09	10/15/09
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	106	70-140		%	10/15/09	10/15/09
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	99.1	85-120		%	10/15/09	10/15/09
EPA 8260B	Surrogate: Toluene-D8 (S)	98.3	85-115		%	10/15/09	10/15/09

Quant Method: C86TTS.M
Run #: 1014C21
Instrument: Chico
Sequence: C091014
Dilution Factor: 1
Initials: DG

Printed: 11/11/09 9:35:14 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-141

APPL ID: AY05628

Sample Collection Date: 10/9/2009

QCG: \$86MFW-091013AC-137436

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	10/13/2009	10/13/2009
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	10/13/2009	10/13/2009
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	10/13/2009	10/13/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	10/13/2009	10/13/2009
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	10/13/2009	10/13/2009
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	10/13/2009	10/13/2009
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	10/13/2009	10/13/2009
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	10/13/2009	10/13/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	10/13/2009	10/13/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	10/13/2009	10/13/2009
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	10/13/2009	10/13/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	10/13/2009	10/13/2009
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	10/13/2009	10/13/2009
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	10/13/2009	10/13/2009
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	10/13/2009	10/13/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	10/13/2009	10/13/2009
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	10/13/2009	10/13/2009
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	10/13/2009	10/13/2009
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	100	70-120		%	10/13/2009	10/13/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	98.7	75-120		%	10/13/2009	10/13/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	102	85-120		%	10/13/2009	10/13/2009

Quant Method: C86TTW.M
Run #: 1013C09
Instrument: Chico
Sequence: C091005
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-142

APPL ID: AY05629

Sample Collection Date: 10/09/09

QCG: \$86MFS-091014AC2-13846

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 23.3 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.5	1.10	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.5	1.60	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.5	0.63	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1-Dichloroethane	Not detected	6.5	1.50	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,1-Dichloroethene	Not detected	6.5	1.00	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,2-Dichloroethane	Not detected	6.5	0.94	ug/Kg	10/15/09	10/15/09
EPA 8260B	1,2-Dichloropropane	Not detected	6.5	0.81	ug/Kg	10/15/09	10/15/09
EPA 8260B	2-Butanone	Not detected	65	0.9	ug/Kg	10/15/09	10/15/09
EPA 8260B	2-Hexanone	Not detected	65	0.3	ug/Kg	10/15/09	10/15/09
EPA 8260B	4-Methyl-2-pentanone	Not detected	65	1.2	ug/Kg	10/15/09	10/15/09
EPA 8260B	Acetone	45 J	65	3.7	ug/Kg	10/15/09	10/15/09
EPA 8260B	Benzene	48	6.5	0.82	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromodichloromethane	Not detected	6.5	0.90	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromoform	Not detected	6.5	1.00	ug/Kg	10/15/09	10/15/09
EPA 8260B	Bromomethane	Not detected	13	2.1	ug/Kg	10/15/09	10/15/09
EPA 8260B	Carbon tetrachloride	Not detected	6.5	1.00	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chlorobenzene	Not detected	6.5	0.64	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloroethane	Not detected	6.5	2.00	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloroform	Not detected	6.5	1.90	ug/Kg	10/15/09	10/15/09
EPA 8260B	Chloromethane	Not detected	13	2.3	ug/Kg	10/15/09	10/15/09
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.5	1.40	ug/Kg	10/15/09	10/15/09
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.5	0.61	ug/Kg	10/15/09	10/15/09
EPA 8260B	Dibromochloromethane	Not detected	6.5	1.10	ug/Kg	10/15/09	10/15/09
EPA 8260B	Ethylbenzene	5.7 J	6.5	0.83	ug/Kg	10/15/09	10/15/09
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.5	1.20	ug/Kg	10/15/09	10/15/09
EPA 8260B	Methylene chloride	Not detected	65	6.0	ug/Kg	10/15/09	10/15/09
EPA 8260B	Styrene	Not detected	6.5	0.90	ug/Kg	10/15/09	10/15/09
EPA 8260B	Tetrachloroethene	Not detected	6.5	0.70	ug/Kg	10/15/09	10/15/09
EPA 8260B	Toluene	27	6.5	0.85	ug/Kg	10/15/09	10/15/09
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.5	1.80	ug/Kg	10/15/09	10/15/09
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.5	0.56	ug/Kg	10/15/09	10/15/09
EPA 8260B	Trichloroethene	Not detected	6.5	0.93	ug/Kg	10/15/09	10/15/09
EPA 8260B	Vinyl chloride	Not detected	6.5	2.20	ug/Kg	10/15/09	10/15/09
EPA 8260B	Xylenes	2.6 J	6.5	0.89	ug/Kg	10/15/09	10/15/09
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	110	70-140		%	10/15/09	10/15/09
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	223 #	85-120		%	10/15/09	10/15/09
EPA 8260B	Surrogate: Toluene-D8 (S)	104	85-115		%	10/15/09	10/15/09

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: C86TTS.M
Run #: 1014C22
Instrument: Chico
Sequence: C091014
Dilution Factor: 1
Initials: DG

Printed: 11/11/09 9:35:14 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

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Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-139

APPL ID: AY05630

Sample Collection Date: 10/9/2009

QCG: \$86MFW-091013AC-137436

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	10/13/2009	10/13/2009
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	10/13/2009	10/13/2009
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	10/13/2009	10/13/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	10/13/2009	10/13/2009
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	10/13/2009	10/13/2009
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	10/13/2009	10/13/2009
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	10/13/2009	10/13/2009
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	10/13/2009	10/13/2009
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	10/13/2009	10/13/2009
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	10/13/2009	10/13/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	10/13/2009	10/13/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	10/13/2009	10/13/2009
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	10/13/2009	10/13/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	10/13/2009	10/13/2009
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	10/13/2009	10/13/2009
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	10/13/2009	10/13/2009
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	10/13/2009	10/13/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	10/13/2009	10/13/2009
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	10/13/2009	10/13/2009
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	10/13/2009	10/13/2009
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	10/13/2009	10/13/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	97.5	70-120		%	10/13/2009	10/13/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	98.0	75-120		%	10/13/2009	10/13/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	100	85-120		%	10/13/2009	10/13/2009

Quant Method: C86TTW.M
Run #: 1013C10
Instrument: Chico
Sequence: C091005
Dilution Factor: 1
Initials: DG

Printed: 10/22/2009 8:27:18 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-138

Sample Collection Date: 10/09/09

ARF: 59999

APPL ID: AY05626

QCG: \$GSTS-091015A-137638

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/15/09	10/15/09
EPA 8015	Surrogate: BFB-FID (S)	93.7	70-130		%	10/15/09	10/15/09

Quant Method: HBTXGM.M
Run #: 1014H32
Instrument: Harpo
Sequence: 090805
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
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APPL Inc.
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Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-140

Sample Collection Date: 10/09/09

ARF: 59999

APPL ID: AY05627

QCG: \$GSTS-091015A-137638

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	10/15/09	10/15/09
EPA 8015	Surrogate: BFB-FID (S)	94.8	70-130		%	10/15/09	10/15/09

Quant Method: HBTXGM.M
Run #: 1014H33
Instrument: Harpo
Sequence: 090805
Dilution Factor: 1
Initials: LF

Printed: 11/09/09 2:02:52 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
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908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-141

Sample Collection Date: 10/09/09

ARF: 59999

APPL ID: AY05628

QCG: \$GSWCT-091013A-137438

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	10/13/09	10/13/09
8015	Surrogate: BFB-FID (S)	92.5	70-130		%	10/13/09	10/13/09

Quant Method: HBTXGM.M
Run #: 1013H06
Instrument: Harpo
Sequence: 090805
Dilution Factor: 1
Initials: LF

Printed: 11/09/09 2:02:52 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-142

Sample Collection Date: 10/09/09

ARF: 59999

APPL ID: AY05629

QCG: \$GSTS-091015A-137638

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 23.3 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	94 ++	13.0	4.40	mg/Kg	10/15/09	10/15/09
EPA 8015	Surrogate: BFB-FID (S)	117	70-130		%	10/15/09	10/15/09

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1014H36
Instrument: Harpo
Sequence: 090805
Dilution Factor: 10
Initials: LF

Printed: 11/09/09 2:02:52 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-139

Sample Collection Date: 10/09/09

ARF: 59999

APPL ID: AY05630

QCG: \$GSWCT-091013A-137438

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	10/13/09	10/13/09
8015	Surrogate: BFB-FID (S)	90.7	70-130		%	10/13/09	10/13/09

Quant Method: HBTXGM.M
Run #: 1013H07
Instrument: Harpo
Sequence: 090805
Dilution Factor: 1
Initials: LF

Printed: 11/09/09 2:02:52 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-138

APPL ID: AY05626

Sample Collection Date: 10/09/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Chromium (Cr)	33.2	0.6	0.04	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Lead (Pb)	5.0	0.6	0.11	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Nickel (Ni)	42.3	0.6	0.09	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Zinc (Zn)	42.6	6.1	1.40	mg/kg	1	10/13/09	10/14/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-140

Sample Collection Date: 10/09/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 59999

APPL ID: AY05627

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Chromium (Cr)	38.8	0.6	0.04	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Lead (Pb)	6.8	0.6	0.11	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Nickel (Ni)	57.1	0.6	0.09	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Zinc (Zn)	56.6	6.2	1.40	mg/kg	1	10/13/09	10/14/09

Printed: 10/23/09 12:14:05 PM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 59999

Sample ID: 9-141

APPL ID: AY05628

Sample Collection Date: 10/09/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	Not detected	0.2	0.02	ug/L	1	10/14/09	10/19/09
6020	Chromium (Cr) (Dissolved)	1.0	0.5	0.04	ug/L	1	10/14/09	10/19/09
6020	Lead (Pb) (Dissolved)	0.17 J	0.2	0.11	ug/L	1	10/14/09	10/19/09
6020	Nickel (Ni) (Dissolved)	4.0	0.5	0.16	ug/L	1	10/14/09	10/19/09
6020	Zinc (Zn) (Dissolved)	5.8 J	20.0	2.30	ug/L	1	10/14/09	10/19/09

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-142

Sample Collection Date: 10/09/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 59999

APPL ID: AY05629

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 23.3 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.7	0.04	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Chromium (Cr)	58.3	0.7	0.04	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Lead (Pb)	8.7	0.7	0.12	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Nickel (Ni)	69.6	0.7	0.09	mg/kg	1	10/13/09	10/14/09
6010B/3050B	Zinc (Zn)	62.3	6.5	1.50	mg/kg	1	10/13/09	10/14/09

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L-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-139

Sample Collection Date: 10/09/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 59999

APPL ID: AY05630

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	0.31	0.2	0.02	ug/L	1	10/14/09	10/19/09
6020	Chromium (Cr) (Dissolved)	0.54	0.5	0.04	ug/L	1	10/14/09	10/19/09
6020	Lead (Pb) (Dissolved)	0.90	0.2	0.11	ug/L	1	10/14/09	10/19/09
6020	Nickel (Ni) (Dissolved)	25.8	0.5	0.16	ug/L	1	10/14/09	10/19/09
6020	Zinc (Zn) (Dissolved)	20.3	20.0	2.30	ug/L	1	10/14/09	10/19/09

Printed: 10/23/09 12:14:05 PM

2L-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-143

Sample Collection Date: 10/13/2009

ARF: 60035

APPL ID: AY05815

QCG: \$TPMFW-091019A-137940

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	0.63 ++	0.05	0.040	mg/L	10/19/2009	10/27/2009
EPA 8015B-	JP5	0.28 J	0.5	0.11	mg/L	10/19/2009	10/27/2009
EPA 8015B-	Kerosene	0.28 J	0.5	0.11	mg/L	10/19/2009	10/27/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/19/2009	10/27/2009
EPA 8015B-	Surrogate: Octacosane (S)	82.7	47-140		%	10/19/2009	10/27/2009

J = Estimated value.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022069
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

EPA 8260B Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 60035

Sample ID: 9-143

APPL ID: AY05815

Sample Collection Date: 10/13/2009

QCG: \$86MFW-091017AH-137974

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	10/17/2009	10/17/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	10/17/2009	10/17/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	10/17/2009	10/17/2009
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	10/17/2009	10/17/2009
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	10/17/2009	10/17/2009
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	10/17/2009	10/17/2009
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	10/17/2009	10/17/2009
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	10/17/2009	10/17/2009
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	10/17/2009	10/17/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	10/17/2009	10/17/2009
EPA 8260B	Acetone	4.0 J	50	0.9	ug/L	10/17/2009	10/17/2009
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	10/17/2009	10/17/2009
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	10/17/2009	10/17/2009
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	10/17/2009	10/17/2009
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	10/17/2009	10/17/2009
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	10/17/2009	10/17/2009
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	10/17/2009	10/17/2009
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	10/17/2009	10/17/2009
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	10/17/2009	10/17/2009
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	10/17/2009	10/17/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	10/17/2009	10/17/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	10/17/2009	10/17/2009
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	10/17/2009	10/17/2009
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	10/17/2009	10/17/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	10/17/2009	10/17/2009
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	10/17/2009	10/17/2009
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	10/17/2009	10/17/2009
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	10/17/2009	10/17/2009
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	10/17/2009	10/17/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	10/17/2009	10/17/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	10/17/2009	10/17/2009
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	10/17/2009	10/17/2009
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	10/17/2009	10/17/2009
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	10/17/2009	10/17/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	101	70-120		%	10/17/2009	10/17/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	91.7	75-120		%	10/17/2009	10/17/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	101	85-120		%	10/17/2009	10/17/2009

J = Estimated value.

Quant Method: 86TTW.M
Run #: 1017H16
Instrument: Hewey
Sequence: H091008
Dilution Factor: 1
Initials: SV

Printed: 10/28/2009 3:39:58 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-143

Sample Collection Date: 10/13/09

ARF: 60035

APPL ID: AY05815

QCG: \$GSWCT-091027A-137987

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	0.10 ++	0.020	0.0086	mg/L	10/27/09	10/27/09
8015	Surrogate: BFB-FID (S)	113	70-130		%	10/27/09	10/27/09

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1026H33
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:10:37 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 60035

Sample ID: 9-143

APPL ID: AY05815

Sample Collection Date: 10/13/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	0.070 J	0.2	0.02	ug/L	1	10/16/09	10/20/09
6020	Chromium (Cr) (Dissolved)	0.94	0.5	0.04	ug/L	1	10/16/09	10/20/09
6020	Lead (Pb) (Dissolved)	0.53	0.2	0.11	ug/L	1	10/16/09	10/20/09
6020	Nickel (Ni) (Dissolved)	5.1	0.5	0.16	ug/L	1	10/16/09	10/20/09
6020	Zinc (Zn) (Dissolved)	5.9 J	20.0	2.30	ug/L	1	10/16/09	10/20/09

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30832

CHAIN-OF-CUSTODY RECORD

242

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME	Project Information Section Do not submit to Laboratory								
PROJECT LOCATION		PROJECT NO.		T	A	T	I	M	C	O	C	O	C	C				C	C	C	C	C	
SAMPLER NAME		AIRBILL NUMBER																					LABORATORY ID (FOR LABORATORY)
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																					COMMENTS
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL	T	A	T	I	M	C	O	C	O	C	C	C	C	C	C	LOCATION	DEPTH		QC
				3	4															START	END		
9-033	10/15/09	0739	1	X		S	10	X	X											ZR-SBHP-6	1	2	Reg.
9-034	10/15/09	0758	1	X		S	10	X	X											ZR-SBHP-6	7	8	Reg.
9-035	10/15/09	0815	4	X		W	10	X	X											ZR-SBHP-6	2	12	Reg.
9-018	10/15/09	0825	1	X		S	10	X	X											ZR-SBHP-1	1	2	Reg.
9-019	10/15/09	0840	1	X		S	10	X	X											ZR-SBHP-1	6	7	Reg.
9-021	10/15/09	0902	3	X		S	10	X	X											ZR-SBHP-2	1	2	MS/MSD
9-020	10/15/09	0915	4	X		W	10	X	X											ZR-SBHP-1	2	12	Reg.
9-022	10/15/09	0942	1	X		S	10	X	X											ZR-SBHP-2	7	8	Reg.
9-027	10/15/09	1001	1	X		S	10	X	X											ZR-SBHP-4	1	2	Reg.
9-028	10/15/09	1018	1	X		S	10	X	X											ZR-SBHP-4	7	8	Reg.
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT:										
COMPANY	TIME	COMPANY											Moffett Petro Sites										
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	COMPOSITE DESCRIPTION																				
COMPANY	TIME	COMPANY																					
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																				
COMPANY	TIME	COMPANY	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																				
			COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																				



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER **30836**

pg 142

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME	Project Information Section Do not submit to Laboratory						
PROJECT LOCATION		PROJECT NO.		TPH-E	BZFOC/PAHS	BZLOB/VOC'S	TPH-D	LOI/B/Cd, Cr, Pb, Ni	LOI/B/DISOLVED	CALC, Pb, Ni, Zn	CO ₂ O/NITRATE	SULFATE	APPL	LABORATORY ID (FOR LABORATORY)				LOCATION	DEPTH		QC
SAMPLER NAME		AIRBILL NUMBER											COMMENTS						START	END	
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER											3	4				T	P	B	T
PETRO SITES		1042813												APPL	60060	ZR-SBHP-4	2	12	Reg.		
MOFFETT FIELD		106-3570.009.E																ZR-SBHP-2	2	12	Reg.
BRYCE BARTEMA		COURIER														SSS-SBHP-5	12	13	Reg.		
PIANE SUZUKI		949-756-7584														SSS-SBHP-5	6	16	Reg.		
9-029		10/15/09	1045	4	X		W	10	X	X								USTSB-SBHP-1	14	15	Reg.
9-023		10/15/09	1115	2	X		W	10	X	X								USTSB-SBHP-1	8	16	Reg.
9-054		10/15/09	1400	1	X		S	10	X									EQUIPMENT BLANK			EB Reg.
9-055		10/15/09	1420	2	X		W	10	X									TRIP BLANK			TB Reg.
9-136		10/15/09	1505	7	X		S	10	X	X	X	X									
9-137		10/15/09	1535	10	X		W	10	X	X	X	X									
9-EB12		10/15/09	1622	2	X		W	10	X												
9-TB10		10/15/09	1300	3	X		W	10		X											
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT: Moffett Petro SITES						
COMPANY		TIME	COMPANY																		
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																
COMPANY		TIME	COMPANY																		
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-033

APPL ID: AY05959

Sample Collection Date: 10/15/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.70	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Kerosene	Not detected	12.0	3.90	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Surrogate: Octacosane (S)	109	47-140		%	10/27/2009	10/29/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022179
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-034

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05960

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.71	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Kerosene	Not detected	12.0	3.90	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Surrogate: Octacosane (S)	105	47-140		%	10/27/2009	10/29/2009

AMENDED PAGE

27

Quant Method: DMK1013.M
Run #: 1022180
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-035

APPL ID: AY05961

Sample Collection Date: 10/15/2009

QCG: \$TPMFW-091022B-138081

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/22/2009	10/27/2009
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Surrogate: Octacosane (S)	91.1	47-140		%	10/22/2009	10/27/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022092
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-018

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05962

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.30	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Surrogate: Octacosane (S)	112	47-140		%	10/27/2009	10/29/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022182
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-019

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05963

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.73	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Surrogate: Octacosane (S)	99.6	47-140		%	10/27/2009	10/29/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022183
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-021

APPL ID: AY05964

Sample Collection Date: 10/15/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.71	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	12.0	3.90	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	51	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	108	47-140		%	10/27/2009	10/30/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022223
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-020

APPL ID: AY05965

Sample Collection Date: 10/15/2009

QCG: \$TPMFW-091022B-138081

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/22/2009	10/27/2009
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Surrogate: Octacosane (S)	87.0	47-140		%	10/22/2009	10/27/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022093
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-022

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05966

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.73	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Surrogate: Octacosane (S)	99.4	47-140		%	10/27/2009	10/29/2009

Quant Method: DMK1013.M
Run #: 1022192
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

AMENDED PAGE

EPA 8015B TPHe Soil

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-027

APPL ID: AY05967

Sample Collection Date: 10/15/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.7 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.73	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	32	12.0	4.30	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	104	47-140		%	10/27/2009	10/30/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022224
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-028

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05968

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.3 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	59.0	35.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	1900	590.0	190.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	1900	590.0	190.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	Not detected	590.0	210.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	10/27/2009	10/30/2009

DO = Diluted Out.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022225
Instrument: Apollo
Sequence: 091022
Dilution Factor: 50
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-029

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05969

QCG: \$TPMFW-091022B-138081

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	5.00	4.000	mg/L	10/22/2009	10/30/2009
EPA 8015B-	JP5	170	50.0	11.00	mg/L	10/22/2009	10/30/2009
EPA 8015B-	Kerosene	170	50.0	11.00	mg/L	10/22/2009	10/30/2009
EPA 8015B-	Motor Oil	Not detected	50.0	11.00	mg/L	10/22/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	61.0	47-140		%	10/22/2009	10/30/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022206
Instrument: Apollo
Sequence: 091022
Dilution Factor: 100
Initials: STC

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-023

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05970

QCG: \$TPMFW-091022B-138081

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/22/2009	10/27/2009
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Surrogate: Octacosane (S)	88.0	47-140		%	10/22/2009	10/27/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022095
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-136

APPL ID: AY05973

Sample Collection Date: 10/15/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	6.0	3.60	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	40 J	60.0	20.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	40 J	60.0	20.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	150	60.0	21.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	113	47-140		%	10/27/2009	10/30/2009

J = Estimated value.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022227
Instrument: Apollo
Sequence: 091022
Dilution Factor: 5
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-137

Sample Collection Date: 10/15/2009

ARF: 60060

APPL ID: AY05974

QCG: \$TPMFW-091022B-138081

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/22/2009	10/27/2009
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/22/2009	10/27/2009
EPA 8015B-	Surrogate: Octacosane (S)	82.5	47-140		%	10/22/2009	10/27/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022097
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:03:19 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-033

Sample Collection Date: 10/15/09

ARF: 60060

APPL ID: AY05959

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 14.4 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	5.8	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	5.8	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	5.8	0.97	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	5.8	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	5.8	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	5.8	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	5.8	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	5.8	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	5.8	0.99	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	5.8	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	5.8	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	5.8	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	5.8	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	5.8	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	5.8	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	5.8	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	54.1	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	56.9	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	58.6	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L014
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
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908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-034

APPL ID: AY05960

Sample Collection Date: 10/15/09

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 15.2 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	5.9	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	5.9	0.98	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	5.9	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	5.9	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	5.9	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	5.9	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	5.9	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	5.9	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	5.9	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	5.9	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	5.9	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	65.9	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	56.1	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	61.0	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L015
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-035

Sample Collection Date: 10/15/09

ARF: 60060

APPL ID: AY05961

QCG: \$87WLL-091022A-138059

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	62.7	50-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	83.1	40-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Terphenyl-d14 (S)	64.8	50-135		%	10/22/09	10/29/09

Quant Method: SIM.M
Run #: 1028L010
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-018

APPL ID: AY05962

Sample Collection Date: 10/15/09

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.9 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.2	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	6.2	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)anthracene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	6.2	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	6.2	1.70	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	6.2	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	6.2	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	6.2	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	6.2	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	6.2	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	6.2	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	63.8	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	75.7	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	59.4	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L016
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-019

APPL ID: AY05963

Sample Collection Date: 10/15/09

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.1	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	6.1	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	6.1	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	6.1	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	6.1	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	6.1	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	6.1	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	51.5	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	59.3	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	59.4	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L017
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-021

Sample Collection Date: 10/15/09

ARF: 60060

APPL ID: AY05964

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 15.4 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	5.9	0.98	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	5.9	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	5.9	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	5.9	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	5.9	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	5.9	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	5.9	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	5.9	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	5.9	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	59.5	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	62.4	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	60.4	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L020
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-020

APPL ID: AY05965

Sample Collection Date: 10/15/09

QCG: \$87WLL-091022A-138059

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	62.6	50-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	79.4	40-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Terphenyl-d14 (S)	60.8	50-135		%	10/22/09	10/29/09

Quant Method: SIM.M
Run #: 1028L011
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCFes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-022

Sample Collection Date: 10/15/09

ARF: 60060

APPL ID: AY05966

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.1	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	6.1	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	6.1	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	6.1	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	6.1	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	6.1	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	6.1	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	57.7	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	65.6	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	64.3	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L021
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-027

APPL ID: AY05967

Sample Collection Date: 10/15/09

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.7 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.1	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	6.1	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	6.1	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	6.1	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	6.1	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	6.1	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	6.1	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	6.1	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	6.1	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	63.9	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	69.0	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	68.5	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L022
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCRas/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-028

APPL ID: AY05968

Sample Collection Date: 10/15/09

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 15.3 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	5.9	0.98	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	5.9	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	5.9	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	5.9	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	5.9	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	5.9	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	5.9	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	5.9	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	5.9	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	5.9	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	54.1	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	750 #	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	86.8	30-125		%	10/27/09	10/30/09

= Recovery (or RPD) is outside QC limits.

Quant Method: SIM.M
Run #: 1029L023
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-029

APPL ID: AY05969

Sample Collection Date: 10/15/09

QCG: \$87WLL-091022A-138059

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	190 #	50-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	479 #	40-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Terphenyl-d14 (S)	76.3	50-135		%	10/22/09	10/29/09

= Recovery (or RPD) is outside QC limits.

Quant Method: SIM.M
Run #: 1028L012
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-023

APPL ID: AY05970

Sample Collection Date: 10/15/09

QCG: \$87WLL-091022A-138059

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Surrogate: 2-Fluorbiphenyl (S)	58.8	50-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	76.7	40-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Terphenyl-d14 (S)	58.5	50-135		%	10/22/09	10/29/09

Quant Method: SIM.M
Run #: 1028L013
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:19:35 AM

APPL-F1-SC-MCFes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-136

APPL ID: AY05973

Sample Collection Date: 10/15/2009

QCG: \$86MFS-091020AH-137798

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.9 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.95	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.75	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	Not detected	60	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	26 J	60	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	4.2 J	6.0	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.0	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.57	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.0	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	60	5.5	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.0	0.65	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	Not detected	6.0	0.78	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.52	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.0	0.85	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.0	0.82	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	115	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	388 #	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	123 #	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1020H33
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 10/30/2009 10:36:49 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-136

APPL ID: AY05973

Sample Collection Date: 10/15/2009

QCG: \$86MFS-091022AM-137868

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.9 Percent Moisture.)							
EPA 8260B-	1,1,1-Trichloroethane	Not detected	30.0	8.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2,2-Tetrachloroethane	Not detected	30.0	16.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2-Trichloroethane	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethane	Not detected	60.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethene	Not detected	30.0	18.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloroethane	Not detected	30.0	8.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloropropane	Not detected	30.0	10.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Butanone	63 J	600.0	36.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Hexanone	Not detected	600.0	55.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	4-Methyl-2-pentanone	Not detected	600.0	110.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Acetone	Not detected	600.0	57.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Benzene	Not detected	30.0	9.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromodichloromethane	Not detected	30.0	8.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromoform	Not detected	30.0	8.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromomethane	Not detected	60.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Carbon tetrachloride	Not detected	30.0	6.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chlorobenzene	Not detected	30.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroethane	Not detected	30.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroform	Not detected	30.0	9.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloromethane	Not detected	60.0	19.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cis-1,2-Dichloroethene	Not detected	30.0	9.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cis-1,3-Dichloropropene	Not detected	30.0	9.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Dibromochloromethane	Not detected	30.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Ethylbenzene	Not detected	30.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methyl tert-Butyl Ether	Not detected	30.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methylene chloride	110 J	600.0	21.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Styrene	Not detected	30.0	15.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Tetrachloroethene	Not detected	30.0	9.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Toluene	Not detected	30.0	10.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,2-Dichloroethane	Not detected	30.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,3-Dichloropropene	Not detected	30.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Trichloroethene	Not detected	30.0	9.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Vinyl chloride	Not detected	30.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Xylenes	Not detected	30.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 1,2-Dichloroethane-d4 (S)	120	70-140		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 4-Bromofluorobenzene (S)	111	85-120		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: Toluene-D8 (S)	89.6	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: M86TTW.M
Run #: 1022M11
Instrument: Max
Sequence: M091020
Dilution Factor: 50
Initials: GM

Printed: 11/5/2009 11:02:44 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-137

APPL ID: AY05974

Sample Collection Date: 10/15/2009

QCG: \$86MFW-091019AH-137682

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	10/20/2009	10/20/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	10/20/2009	10/20/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	10/20/2009	10/20/2009
EPA 8260B	1,1-Dichloroethane	0.64 J	5.0	0.19	ug/L	10/20/2009	10/20/2009
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	10/20/2009	10/20/2009
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	10/20/2009	10/20/2009
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	10/20/2009	10/20/2009
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	10/20/2009	10/20/2009
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	10/20/2009	10/20/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	10/20/2009	10/20/2009
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	10/20/2009	10/20/2009
EPA 8260B	Benzene	1.2	0.5	0.16	ug/L	10/20/2009	10/20/2009
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	10/20/2009	10/20/2009
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	10/20/2009	10/20/2009
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	10/20/2009	10/20/2009
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	10/20/2009	10/20/2009
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	10/20/2009	10/20/2009
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	10/20/2009	10/20/2009
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	10/20/2009	10/20/2009
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	10/20/2009	10/20/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	10/20/2009	10/20/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	10/20/2009	10/20/2009
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	10/20/2009	10/20/2009
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	10/20/2009	10/20/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	10/20/2009	10/20/2009
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	10/20/2009	10/20/2009
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	10/20/2009	10/20/2009
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	10/20/2009	10/20/2009
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	10/20/2009	10/20/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	10/20/2009	10/20/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	10/20/2009	10/20/2009
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	10/20/2009	10/20/2009
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	10/20/2009	10/20/2009
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	10/20/2009	10/20/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	96.9	70-120		%	10/20/2009	10/20/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	98.1	75-120		%	10/20/2009	10/20/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	112	85-120		%	10/20/2009	10/20/2009

J = Estimated value.

Quant Method: 86TTW.M
Run #: 1019H16
Instrument: Hewey
Sequence: H091008
Dilution Factor: 1
Initials: GM

Printed: 10/30/2009 10:38:29 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-136

APPL ID: AY05973

Sample Collection Date: 10/15/09

QCG: \$GSTS-091027A-137977

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.9 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	12 ++	1.2	0.41	mg/Kg	10/27/09	10/27/09
EPA 8015	Surrogate: BFB-FID (S)	106	70-130		%	10/27/09	10/27/09

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1026H45
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:18:32 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-137

Sample Collection Date: 10/15/09

ARF: 60060

APPL ID: AY05974

QCG: \$GSWCT-091027A-137987

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	0.069 ++	0.020	0.0086	mg/L	10/27/09	10/27/09
8015	Surrogate: BFB-FID (S)	102	70-130		%	10/27/09	10/27/09

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1026H36
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:18:32 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-136

Sample Collection Date: 10/15/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60060

APPL ID: AY05973

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.9 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	37.4	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	5.9	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	41.5	0.6	0.08	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	47.5	6.0	1.40	mg/kg	1	10/22/09	10/23/09

Printed: 10/29/09 3:02:51 PM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

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Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60060

Sample ID: 9-137

APPL ID: AY05974

Sample Collection Date: 10/15/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	0.31	0.2	0.02	ug/L	1	10/23/09	10/28/09
6020	Chromium (Cr) (Dissolved)	0.54	0.5	0.04	ug/L	1	10/23/09	10/28/09
6020	Lead (Pb) (Dissolved)	4.1	0.2	0.11	ug/L	1	10/23/09	10/28/09
6020	Nickel (Ni) (Dissolved)	3.4	0.5	0.16	ug/L	1	10/23/09	10/28/09
6020	Zinc (Zn) (Dissolved)	15.7 J	20.0	2.30	ug/L	1	10/23/09	10/28/09

J = Estimated value.

Printed: 10/29/09 3:02:51 PM

L-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-030

APPL ID: AY06094

Sample Collection Date: 10/16/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.1 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	35	12.0	4.30	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	76.8	47-140		%	10/27/2009	10/30/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022228
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:06:29 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-031

APPL ID: AY06095

Sample Collection Date: 10/16/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.72	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Surrogate: Octacosane (S)	95.0	47-140		%	10/27/2009	10/29/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022198
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:06:29 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-032

APPL ID: AY06096

Sample Collection Date: 10/16/2009

QCG: \$TPMFW-091021A-138131

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/21/2009	10/23/2009
EPA 8015B-	JP5	1.7	0.5	0.11	mg/L	10/21/2009	10/23/2009
EPA 8015B-	Kerosene	1.7	0.5	0.11	mg/L	10/21/2009	10/23/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/21/2009	10/23/2009
EPA 8015B-	Surrogate: Octacosane (S)	85.8	47-140		%	10/21/2009	10/23/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1019229
Instrument: Apollo
Sequence: 091019
Dilution Factor: 1
Initials: MA

Printed: 12/21/2009 12:06:29 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-024

APPL ID: AY06097

Sample Collection Date: 10/16/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.1 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.75	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	13.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	13.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	270	13.0	4.40	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	76.6	47-140		%	10/27/2009	10/30/2009

AMENDED PAGE

27

Quant Method: DMK1013.M
Run #: 1022229
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:06:29 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-025

APPL ID: AY06098

Sample Collection Date: 10/16/2009

QCG: \$TPMFS-091027A-138091

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 24.8 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.80	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	JP5	71	13.0	4.40	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Kerosene	71	13.0	4.40	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Motor Oil	Not detected	13.0	4.70	mg/Kg	10/27/2009	10/29/2009
EPA 8015B-	Surrogate: Octacosane (S)	98.4	47-140		%	10/27/2009	10/29/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022200
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:06:29 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
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908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-026

Sample Collection Date: 10/16/2009

ARF: 60078

APPL ID: AY06099

QCG: \$TPMFW-091021A-138131

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	10/21/2009	10/23/2009
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/21/2009	10/23/2009
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	10/21/2009	10/23/2009
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	10/21/2009	10/23/2009
EPA 8015B-	Surrogate: Octacosane (S)	89.8	47-140		%	10/21/2009	10/23/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1019230
Instrument: Apollo
Sequence: 091019
Dilution Factor: 1
Initials: MA

Printed: 12/21/2009 12:06:29 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-030

APPL ID: AY06094

Sample Collection Date: 10/16/09

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.1 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.2	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	6.2	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	6.2	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	6.2	1.70	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	6.2	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	6.2	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	6.2	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	6.2	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	6.2	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	6.2	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	60.6	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	77.5	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	76.5	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L024
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:35:19 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
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APPL Inc.
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Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-031

Sample Collection Date: 10/16/09

ARF: 60078

APPL ID: AY06095

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.0	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	6.0	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	6.0	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	6.0	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	6.0	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	6.0	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	6.0	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	6.0	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	6.0	1.00	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	6.0	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	6.0	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	6.0	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.0	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	6.0	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	6.0	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	6.0	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	64.9	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	57.9	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	69.0	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L025
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:35:19 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-032

Sample Collection Date: 10/16/09

ARF: 60078

APPL ID: AY06096

QCG: \$87WLL-091022A-138059

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	62.4	50-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	107	40-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Terphenyl-d14 (S)	69.3	50-135		%	10/22/09	10/29/09

Quant Method: SIM.M
Run #: 1028L014
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:35:19 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-024

APPL ID: AY06097

Sample Collection Date: 10/16/09

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 20.1 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	31.0	6.10	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	31.0	5.60	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	31.0	5.20	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	31.0	5.70	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	31.0	5.80	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	31.0	6.90	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	31.0	8.40	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	31.0	6.50	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	31.0	5.30	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	31.0	5.80	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	31.0	7.50	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	31.0	6.30	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	31.0	5.60	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	31.0	5.60	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	31.0	6.90	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	31.0	7.80	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	57.2	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D6 (S)	57.2	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	58.3	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L026
Instrument: Linus
Sequence: L091017
Dilution Factor: 5
Initials: LF

Printed: 11/14/09 11:35:19 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-025

Sample Collection Date: 10/16/09

ARF: 60078

APPL ID: AY06098

QCG: \$87SLL-091027B-138058

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 24.8 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.6	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Acenaphthylene	Not detected	6.6	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Anthracene	Not detected	6.6	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Benz(a)anthracene	Not detected	6.6	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(a)pyrene	Not detected	6.6	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(b)fluoranthene	Not detected	6.6	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(g,h,i)perylene	Not detected	6.6	1.80	ug/kg	10/27/09	10/30/09
8270CLL	Benzo(k)fluoranthene	Not detected	6.6	1.40	ug/kg	10/27/09	10/30/09
8270CLL	Chrysene	Not detected	6.6	1.10	ug/kg	10/27/09	10/30/09
8270CLL	Dibenz(a,h)anthracene	Not detected	6.6	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Fluoranthene	Not detected	6.6	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Fluorene	Not detected	6.6	1.30	ug/kg	10/27/09	10/30/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.6	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Naphthalene	Not detected	6.6	1.20	ug/kg	10/27/09	10/30/09
8270CLL	Phenanthrene	Not detected	6.6	1.50	ug/kg	10/27/09	10/30/09
8270CLL	Pyrene	Not detected	6.6	1.60	ug/kg	10/27/09	10/30/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	66.8	45-105		%	10/27/09	10/30/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	69.6	35-100		%	10/27/09	10/30/09
8270CLL	Surrogate: Terphenyl-d14 (S)	66.5	30-125		%	10/27/09	10/30/09

Quant Method: SIM.M
Run #: 1029L027
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:35:19 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
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Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60078

Sample ID: 9-026

APPL ID: AY06099

Sample Collection Date: 10/16/09

QCG: \$87WLL-091022A-138059

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	10/22/09	10/29/09
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	10/22/09	10/29/09
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	10/22/09	10/29/09
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	10/22/09	10/29/09
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	56.9	50-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Nitrobenzene-D5 (S)	78.0	40-110		%	10/22/09	10/29/09
8270CLL	Surrogate: Terphenyl-d14 (S)	63.0	50-135		%	10/22/09	10/29/09

Quant Method: SIM.M
Run #: 1028L015
Instrument: Linus
Sequence: L091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:35:19 AM

APPL-F1-SC-MCPRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 30822

PROJECT NAME		PURCHASE ORDER NO.				ANALYSES REQUIRED								LABORATORY NAME		<p style="text-align: center;">89 292</p> Project Information Section Do not submit to Laboratory								
PROJECT LOCATION		PROJECT NO.				8260C/NOCS	TPH-P	TPH-E	6010B/Cd, Cr, Pb	Ni, Zn					APPL				LABORATORY ID (FOR LABORATORY)					
SAMPLER NAME		AIRBILL NUMBER																				LABORATORY ID (FOR LABORATORY)		
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																	COMMENTS			LOCATION	DEPTH	QC
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYP E	T A T									START	END							
9-112	10/19/09	1415	7	X		S	10	X	X	X	X								S63-SB-10	35' 4'	Reg.			
9-113	10/19/09	1432	7	X		S	10	X	X	X	X								S63-SB-11	35' 4'	Reg.			
9-114	10/19/09	1450	21	X		S	10	X	X	X	X								S63-SB-12	3' 4'	MSY MSD			
9-EB14	10/19/09	1700	8	X		W	10	X	X	X	X								EQUIP. BLANK	/	/	EB		
<i>BB</i>		<i>10/19</i>		<i>BB</i>																<i>BB</i>		<i>10/19</i>		
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS																SAMPLING COMMENT: Moffett Petroleum Sites		
<i>BB</i>		<i>10/19</i>		<i>BB</i>		6010B NOT FILTERED																		
COMPANY		TIME		COMPANY		COMPOSITE DESCRIPTION																		
TTC		1715		APPL																				
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																		
						TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																		
COMPANY		TIME		COMPANY		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																		

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-103

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06161

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	13 ++	1.2	0.73	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	35	12.0	4.20	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	91.0	47-140		%	10/27/2009	10/30/2009

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK1013.M
Run #: 1022240
Instrument: APOLLO
Sequence: 091022
Dilution Factor: 1
Initials: STC

AMENDED PAGE

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APPL-F1-SC-MCRes/MCPQL-REG MDLs*

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-104

APPL ID: AY06162

Sample Collection Date: 10/19/2009

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	2900 ++	120.0	73.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	JP5	2200	1200.0	400.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Kerosene	2200	1200.0	400.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Motor Oil	Not detected	1200.0	420.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	10/27/2009	11/2/2009

DO = Diluted Out.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022266
Instrument: Apollo
Sequence: 091022
Dilution Factor: 100
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-105

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06163

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	2000 ++	480.0	290.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	JP5	Not detected	4800.0	1600.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	4800.0	1600.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Motor Oil	Not detected	4800.0	1700.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	10/27/2009	11/2/2009

DO = Diluted Out.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022267
Instrument: Apollo
Sequence: 091022
Dilution Factor: 400
Initials: STC

Printed: 12/21/2009 12:14:56 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-106

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06164

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	190 ++	6.0	3.60	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	JP5	88	60.0	20.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Kerosene	88	60.0	20.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Motor Oil	220	60.0	21.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	80.8	47-140		%	10/27/2009	11/2/2009

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022268
Instrument: Apollo
Sequence: 091022
Dilution Factor: 5
Initials: STC

Printed: 12/21/2009 12:14:56 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-107

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06165

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.0 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	6600 ++	240.0	150.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	JP5	4500	2400.0	800.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Kerosene	4500	2400.0	800.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Motor Oil	2300 J	2400.0	850.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	10/27/2009	11/2/2009

J = Estimated value.

DO = Diluted Out.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022269
Instrument: Apollo
Sequence: 091022
Dilution Factor: 200
Initials: STC

EPA 8015B TPHe Soil

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-108

APPL ID: AY06166

Sample Collection Date: 10/19/2009

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	1900 ++	250.0	150.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	JP5	Not detected	2500.0	820.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	2500.0	820.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Motor Oil	2300 J	2500.0	870.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	10/27/2009	11/2/2009

J = Estimated value.

DO = Diluted Out.

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK1013.M
Run #: 1022270
Instrument: Apollo
Sequence: 091022
Dilution Factor: 200
Initials: STC

AMENDED PAGE

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-109

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06167

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.6 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	150 ++	6.1	3.70	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	JP5	Not detected	61.0	20.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	61.0	20.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Motor Oil	480	61.0	21.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	77.7	47-140		%	10/27/2009	11/2/2009

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK1013.M
Run #: 1022271
Instrument: Apollo
Sequence: 091022
Dilution Factor: 5
Initials: STC

AMENDED PAGE

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-110

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06168

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.75	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	52	12.0	4.40	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	121	47-140		%	10/27/2009	10/30/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022247
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-111

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06169

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.1 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	51	12.0	4.30	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	94.3	47-140		%	10/27/2009	10/30/2009

Quant Method: DMK1013.M
Run #: 1022248
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

AMENDED PAGE

EPA 8015B TPHe Soil

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-112

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06170

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.5 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.75	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Motor Oil	170 E	12.0	4.30	mg/Kg	10/27/2009	10/30/2009
EPA 8015B-	Surrogate: Octacosane (S)	111	47-140		%	10/27/2009	10/30/2009

E = The reported value exceeds linear range.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022249
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:14:56 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-112

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06170

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.5 Percent Moisture.)							
EPA 8015B-	Motor Oil	150	62.0	22.00	mg/Kg	10/27/09	11/03/09

Quant Method: DMK1013.M
Run #: 1103008
Instrument: Apollo
Sequence: 091103
Dilution Factor: 5
Initials: STC

Printed: 11/04/09 1:47:31 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-113

Sample Collection Date: 10/19/2009

ARF: 60086

APPL ID: AY06171

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	6.1	3.60	mg/Kg	10/27/2009	11/4/2009
EPA 8015B-	JP5	Not detected	61.0	20.00	mg/Kg	10/27/2009	11/4/2009
EPA 8015B-	Kerosene	Not detected	61.0	20.00	mg/Kg	10/27/2009	11/4/2009
EPA 8015B-	Motor Oil	150	61.0	21.00	mg/Kg	10/27/2009	11/4/2009
EPA 8015B-	Surrogate: Octacosane (S)	95.3	47-140		%	10/27/2009	11/4/2009

Quant Method: DMK1013.M
Run #: 1103062
Instrument: Apollo
Sequence: 091103
Dilution Factor: 5
Initials: STC

AMENDED PAGE

EPA 8015B TPHe Soil

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Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-114

APPL ID: AY06172

Sample Collection Date: 10/19/2009

QCG: \$TPMFS-091027B-138184

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.8 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	6.0	3.60	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	JP5	Not detected	60.0	20.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	60.0	20.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Motor Oil	620	60.0	21.00	mg/Kg	10/27/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	120	47-140		%	10/27/2009	11/2/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022265
Instrument: Apollo
Sequence: 091022
Dilution Factor: 5
Initials: STC

Printed: 12/21/2009 12:14:56 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-103

APPL ID: AY06161

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091020AH-137798

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.75	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	6.1 J	60	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	61	60	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.0	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.0	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.57	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.0	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	60	5.6	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethane	Not detected	6.0	0.65	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	Not detected	6.0	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.52	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.0	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.0	0.82	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	138	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	103	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	153 #	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1020H27
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-104

APPL ID: AY06162

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091020AH-137798

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.75	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	21 J	61	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	61	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	61	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	91	61	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	1.8 J	6.1	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.1	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	14	6.1	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.1	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	61	5.6	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.65	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	10	6.1	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.52	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.1	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.1	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	1.4 J	6.1	0.82	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	146 #	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	99.3	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	141 #	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1020H28
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-104

APPL ID: AY06162

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091022AM-137868

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8260B-	1,1,1-Trichloroethane	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2,2-Tetrachloroethane	Not detected	30.0	16.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2-Trichloroethane	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethane	Not detected	61.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethene	Not detected	30.0	18.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloroethane	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloropropane	Not detected	30.0	10.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Butanone	120 J	610.0	36.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Hexanone	Not detected	610.0	56.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	4-Methyl-2-pentanone	Not detected	610.0	120.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Acetone	290 J	610.0	58.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Benzene	Not detected	30.0	9.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromodichloromethane	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromoform	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromomethane	Not detected	61.0	15.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Carbon tetrachloride	Not detected	30.0	6.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chlorobenzene	Not detected	30.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroethane	Not detected	30.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroform	Not detected	30.0	9.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloromethane	Not detected	61.0	19.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cis-1,2-Dichloroethene	Not detected	30.0	9.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cis-1,3-Dichloropropene	Not detected	30.0	9.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Dibromochloromethane	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Ethylbenzene	Not detected	30.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methyl tert-Butyl Ether	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methylene chloride	92 J	610.0	21.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Styrene	Not detected	30.0	15.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Tetrachloroethene	Not detected	30.0	9.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Toluene	Not detected	30.0	10.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,2-Dichloroethene	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,3-Dichloropropene	Not detected	30.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Trichloroethene	Not detected	30.0	9.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Vinyl chloride	Not detected	30.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Xylenes	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 1,2-Dichloroethane-d4 (S)	99.5	70-140		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 4-Bromofluorobenzene (S)	101	85-120		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: Toluene-D8 (S)	91.5	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: M86TTW.M
Run #: 1022M12
Instrument: Max
Sequence: M091020
Dilution Factor: 50
Initials: GM

Printed: 11/5/2009 11:09:49 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-105

APPL ID: AY06163

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091020AH-137798

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.75	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	Not detected	6.1	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	6.1	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	6.1	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	64	6.1	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.1	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.1	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.1	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.1	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	6.1	5.6	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.65	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	Not detected	6.1	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.52	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.1	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.1	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.1	0.82	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	128	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	120	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	125 #	85-115		%	10/21/2009	10/21/2009

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1020H29
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-106

APPL ID: AY06164

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091020AH-137798

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.4 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.57	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.94	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.74	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	8.9 J	60	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	60	60	3.3	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.0	0.75	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.0	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.56	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.0	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	60	5.5	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.0	0.65	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	2.2 J	6.0	0.78	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.51	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.0	0.85	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.0	0.81	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	114	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	94.8	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	115	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1020H30
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-107

APPL ID: AY06165

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091020AH-137798

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.0 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.99	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.88	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	41 J	61	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	61	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	61	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	280	61	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.1	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.1	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	260	6.1	0.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	15	6.1	0.78	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	61	5.6	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.66	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	4.5 J	6.1	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.52	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.1	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.1	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	110	6.1	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	176 #	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	146 #	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	146 #	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1020H31
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-107

APPL ID: AY06165

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091022AM-137868

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.0 Percent Moisture.)							
EPA 8260B-	1,1,1-Trichloroethane	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2,2-Tetrachloroethane	Not detected	30.0	16.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2-Trichloroethane	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethane	Not detected	61.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethene	Not detected	30.0	18.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloroethane	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloropropane	Not detected	30.0	10.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Butanone	120 J	610.0	37.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Hexanone	Not detected	610.0	56.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	4-Methyl-2-pentanone	Not detected	610.0	120.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Acetone	450 J	610.0	58.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Benzene	Not detected	30.0	9.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromodichloromethane	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromoform	Not detected	30.0	8.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromomethane	Not detected	61.0	15.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Carbon tetrachloride	Not detected	30.0	6.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chlorobenzene	260	30.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroethane	Not detected	30.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroform	Not detected	30.0	9.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloromethane	Not detected	61.0	19.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cls-1,2-Dichloroethene	Not detected	30.0	9.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cls-1,3-Dichloropropene	Not detected	30.0	9.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Dibromochloromethane	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Ethylbenzene	20 J	30.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methyl tert-Butyl Ether	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methylene chloride	96 J	610.0	21.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Styrene	Not detected	30.0	15.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Tetrachloroethene	Not detected	30.0	9.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Toluene	Not detected	30.0	10.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,2-Dichloroethene	Not detected	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,3-Dichloropropene	Not detected	30.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Trichloroethene	Not detected	30.0	9.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Vinyl chloride	Not detected	30.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Xylenes	160	30.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 1,2-Dichloroethane-d4 (S)	99.1	70-140		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 4-Bromofluorobenzene (S)	120	85-120		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: Toluene-D8 (S)	88.4	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: M86TTW.M
Run #: 1022M13
Instrument: Max
Sequence: M091020
Dilution Factor: 50
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-108

APPL ID: AY06166

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091020AH-137798

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.89	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	15 J	62	0.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	100	62	3.5	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.2	0.78	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.2	0.99	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.2	0.99	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	4.5 J	6.2	0.61	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.2	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	62	5.7	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.2	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	1.4 J	6.2	0.81	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.53	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.2	0.88	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.2	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	115	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	78.6 #	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	120 #	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1020H32
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-108

APPL ID: AY06166

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091022AM-137868

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)							
EPA 8260B-	1,1,1-Trichloroethane	Not detected	31.0	8.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2,2-Tetrachloroethane	Not detected	31.0	17.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1,2-Trichloroethane	Not detected	31.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethane	Not detected	62.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,1-Dichloroethene	Not detected	31.0	19.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloroethane	Not detected	31.0	8.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	1,2-Dichloropropane	Not detected	31.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Butanone	180 J	620.0	37.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	2-Hexanone	Not detected	620.0	57.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	4-Methyl-2-pentanone	Not detected	620.0	120.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Acetone	Not detected	620.0	59.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Benzene	Not detected	31.0	9.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromodichloromethane	Not detected	31.0	8.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromoform	Not detected	31.0	8.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Bromomethane	Not detected	62.0	15.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Carbon tetrachloride	Not detected	31.0	6.20	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chlorobenzene	Not detected	31.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroethane	Not detected	31.0	13.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloroform	Not detected	31.0	9.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Chloromethane	Not detected	62.0	19.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cis-1,2-Dichloroethene	Not detected	31.0	9.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	cis-1,3-Dichloropropene	Not detected	31.0	9.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Dibromochloromethane	Not detected	31.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Ethylbenzene	Not detected	31.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methyl tert-Butyl Ether	Not detected	31.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Methylene chloride	100 J	620.0	22.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Styrene	Not detected	31.0	16.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Tetrachloroethene	Not detected	31.0	9.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Toluene	Not detected	31.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,2-Dichloroethene	Not detected	31.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	trans-1,3-Dichloropropene	Not detected	31.0	11.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Trichloroethene	Not detected	31.0	9.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Vinyl chloride	Not detected	31.0	14.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Xylenes	Not detected	31.0	12.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 1,2-Dichloroethane-d4 (S)	103	70-140		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: 4-Bromofluorobenzene (S)	104	85-120		%	10/22/2009	10/22/2009
EPA 8260B-	Surrogate: Toluene-D8 (S)	92.0	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: M86TTW.M
Run #: 1022M14
Instrument: Max
Sequence: M091020
Dilution Factor: 50
Initials: GM

Printed: 11/5/2009 11:09:49 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-109

APPL ID: AY06167

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091021AH-137799

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.6 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.88	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	4.0 J	61	0.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	61	0.3	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	61	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	36 J	61	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.1	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.85	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.1	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.1	0.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.1	1.80	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.1	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	61	5.7	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.1	0.85	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.66	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	Not detected	6.1	0.80	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropane	Not detected	6.1	0.53	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.1	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.1	2.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	125	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	99.5	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	107	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1021H13
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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APPL Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-110

APPL ID: AY06168

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091021AH-137799

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.99	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	3.5 J	62	0.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	36 J	62	3.5	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.2	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.2	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.2	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.2	0.61	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.2	0.80	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	62	5.7	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.2	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	Not detected	6.2	0.81	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.54	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.2	0.89	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.2	0.85	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	133	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	106	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	114	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1021H14
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-111

APPL ID: AY06169

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.1 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.59	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.98	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.89	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	4.6 J	62	0.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	44 J	62	3.5	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	6.2	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.85	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.2	0.99	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.2	0.99	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.2	0.61	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.58	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	6.2	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	14 J	62	5.7	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.2	0.85	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	Not detected	6.2	0.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.53	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.2	0.88	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	Not detected	6.2	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	131	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	91.2	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	121 #	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1022H08
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-112

APPL ID: AY06170

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091021AH-137799

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.5 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.89	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	4.8 J	62	0.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	40 J	62	3.5	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.2	0.78	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.2	0.99	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.2	0.99	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.2	0.61	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.2	0.80	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	9.7 J	62	5.7	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.2	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	2.5 J	6.2	0.81	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.53	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.2	0.88	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.2	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	125	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	103	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	113	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1021H16
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-113

APPL ID: AY06171

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091021AH-137799

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.98	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.75	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	4.6 J	61	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	61	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	61	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	46 J	61	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.1	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.1	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.1	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethane	Not detected	6.1	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.1	0.78	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	Not detected	61	5.6	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.65	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	Not detected	6.1	0.79	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.52	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.1	0.86	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.1	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.1	0.82	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	125	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	102	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	109	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1021H17
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-114

APPL ID: AY06172

Sample Collection Date: 10/19/2009

QCG: \$86MFS-091021AH-137799

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.8 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.97	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.58	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.95	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.87	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.75	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Butanone	5.1 J	60	0.8	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Acetone	37 J	60	3.4	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Benzene	Not detected	6.0	0.76	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromoform	Not detected	6.0	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.96	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.56	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Ethylbenzene	Not detected	6.0	0.77	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Methylene chloride	5.9 J	60	5.5	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Styrene	Not detected	6.0	0.83	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Tetrachloroethene	Not detected	6.0	0.65	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Toluene	1.8 J	6.0	0.78	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.52	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Trichloroethene	Not detected	6.0	0.85	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Xylenes	Not detected	6.0	0.82	ug/Kg	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	126	70-140		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	99.5	85-120		%	10/21/2009	10/21/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	113	85-115		%	10/21/2009	10/21/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1021H18
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/2/2009 3:29:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-103

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06161

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	112	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H05
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-104

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06162

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	0.50 ++J	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	102	70-130		%	11/01/09	11/01/09

J = Estimated value.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1101H06
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-105

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06163

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	105	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H07
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-106

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06164

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.4 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	108	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H08
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCPRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-107

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06165

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.0 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	46 ++	12.0	4.10	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	130	70-130		%	11/01/09	11/01/09

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1101H09
Instrument: Harpo
Sequence: 091017
Dilution Factor: 10.0
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-108

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06166

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	1.8 ++	1.2	0.42	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	140 #	70-130		%	11/01/09	11/01/09

= Recovery (or RPD) is outside QC limits.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1101H10
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-109

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06167

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.6 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	103	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H11
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-110

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06168

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	106	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H12
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites
Sample ID: 9-111
Sample Collection Date: 10/19/09

ARF: 60086
APPL ID: AY06169
QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.1 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	98.5	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H13
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-112

Sample Collection Date: 10/19/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60086

APPL ID: AY06170

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.5 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	100	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H14
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-113

APPL ID: AY06171

Sample Collection Date: 10/19/09

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	99.2	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H16
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-114

APPL ID: AY06172

Sample Collection Date: 10/19/09

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.8 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	98.6	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H17
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:37:24 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites
Sample ID: 9-103
Sample Collection Date: 10/19/09

ARF: 60086
APPL ID: AY06161

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	37.5	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	3.4	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	36.8	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	34.8	6.0	1.40	mg/kg	1	10/22/09	10/23/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-104

Sample Collection Date: 10/19/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60086

APPL ID: AY06162

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	31.1	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	3.6	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	29.9	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	27.4	6.1	1.40	mg/kg	1	10/22/09	10/23/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-105

APPL ID: AY06163

Sample Collection Date: 10/19/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	33.3	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	4.6	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	33.1	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	32.2	6.1	1.40	mg/kg	1	10/22/09	10/23/09

Printed: 11/02/09 1:12:15 PM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-106

APPL ID: AY06164

Sample Collection Date: 10/19/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.4 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	31.7	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	3.3	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	33.0	0.6	0.08	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	28.9	6.0	1.40	mg/kg	1	10/22/09	10/23/09

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2L-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-107

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06165

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.0 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.11 J	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	29.6	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	8.2	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	25.2	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	27.7	6.1	1.40	mg/kg	1	10/22/09	10/23/09

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60086

Sample ID: 9-108

APPL ID: AY06166

Sample Collection Date: 10/19/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.4 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.12 J	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	43.3	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	5.0	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	42.1	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	39.0	6.2	1.40	mg/kg	1	10/22/09	10/23/09

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-109

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06167

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.6 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.70	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	32.8	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	21.4	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	29.0	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	42.0	6.1	1.40	mg/kg	1	10/22/09	10/23/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-110

Sample Collection Date: 10/19/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60086

APPL ID: AY06168

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	36.2	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	5.0	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	35.7	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	36.9	6.2	1.40	mg/kg	1	10/22/09	10/23/09

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2L-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-111

Sample Collection Date: 10/19/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60086

APPL ID: AY06169

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.1 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.26 J	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	39.1	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	7.5	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	38.4	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	38.4	6.2	1.40	mg/kg	1	10/22/09	10/23/09

J = Estimated value.

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2L-P1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-112

Sample Collection Date: 10/19/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60086

APPL ID: AY06170

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.5 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.91	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	42.6	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	33.3	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	36.6	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	42.9	6.2	1.40	mg/kg	1	10/22/09	10/23/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-113

Sample Collection Date: 10/19/09

ARF: 60086

APPL ID: AY06171

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.082 J	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	41.1	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	4.2	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	35.9	0.6	0.09	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	34.8	6.1	1.40	mg/kg	1	10/22/09	10/23/09

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-114

Sample Collection Date: 10/19/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60086

APPL ID: AY06172

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.8 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.43 J	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Chromium (Cr)	55.6	0.6	0.04	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Lead (Pb)	5.3	0.6	0.11	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Nickel (Ni)	41.2	0.6	0.08	mg/kg	1	10/22/09	10/23/09
6010B/3050B	Zinc (Zn)	42.4	6.0	1.40	mg/kg	1	10/22/09	10/23/09

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 30823

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME	Project Information Section Do not submit to Laboratory						
PROJECT LOCATION		PROJECT NO.		SZ	TP-1-P	TP-1-B	6010B (ED, CK, P-D)	6010B (END)										APPL	LABORATORY ID (FOR LABORATORY)		
SAMPLER NAME		AIRBILL NUMBER																COMMENTS			
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																LOCATION	DEPTH	QC	
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL	T	T	T	T	T	T	T	T	T	T	START	END	QC				
9-112	10/20/09	0700	3	X	2	0	X											Trip Blank			
9-115	10/20/09	0810	7	X	S	10	X	X	X	X								S63-SB-13 3' 3.5' Reg.			
9-116	10/20/09	0830	7	X	S	10	X	X	X	X								S63-SB-14 4' 4.5' Reg.			
9-117	10/20/09	0911	7	X	S	10	X	X	X	X								S63-SB-15 4.5' 5' Reg.			
9-118	10/20/09	0949	7	X	S	10	X	X	X	X								S63-SB-16 4.5' 5' Reg.			
9-119	10/20/09	1135	7	X	S	10	X	X	X	X								S63-SB-17 4' 4.5' Reg.			
9-120	10/20/09	1302	7	X	S	10	X	X	X	X								S63-SB-18 4' 4.5' Reg.			
9-101	10/20/09	1524	7	X	S	10	X	X	X	X								S25-SB-3 4' 4.5' Reg.			
9-102	10/20/09	1545	7	X	S	10	X	X	X	X								S25-SB-4 4' 4.5' Reg.			
9-EB-15	10/20/09	1634	8	X	W	10	X	X	X	X								EQUIPMENT BLANK			
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT: Moffett Petroleum Sites							
COMPANY	TIME	COMPANY		6010B NOT FILTERED																	
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																	
COMPANY	TIME	COMPANY																			
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																	
COMPANY	TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																	

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-115

Sample Collection Date: 10/20/2009

ARF: 60107

APPL ID: AY06303

QCG: \$TPMFS-091102A-138225

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	18 ++	1.2	0.72	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Motor Oil	67	12.0	4.20	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	87.1	47-140		%	11/2/2009	11/2/2009

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022279
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-116

Sample Collection Date: 10/20/2009

ARF: 60107

APPL ID: AY06304

QCG: \$TPMFS-091102A-138225

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.7 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	27 ++	1.2	0.70	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	12.0	3.90	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Motor Oil	70	12.0	4.10	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	94.0	47-140		%	11/2/2009	11/2/2009

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022280
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:19:32 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-117

Sample Collection Date: 10/20/2009

ARF: 60107

APPL ID: AY06305

QCG: \$TPMFS-091102A-138225

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.76	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	13.0	4.20	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Motor Oil	130	13.0	4.40	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	105	47-140		%	11/2/2009	11/2/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022281
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:19:32 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-118

Sample Collection Date: 10/20/2009

ARF: 60107

APPL ID: AY06306

QCG: \$TPMFS-091102A-138225

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.73	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Motor Oil	130	12.0	4.30	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	105	47-140		%	11/2/2009	11/2/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022282
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-119

APPL ID: AY06307

Sample Collection Date: 10/20/2009

QCG: \$TPMFS-091102A-138225

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	120 ++	1.2	0.73	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Motor Oil	420 E	12.0	4.20	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	125	47-140		%	11/2/2009	11/2/2009

E = The reported value exceeds linear range.

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022283
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:19:32 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-119

Sample Collection Date: 10/20/09

ARF: 60107

APPL ID: AY06307

QCG: \$TPMFS-091102A-138225

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015B-	Motor Oil	340	120.0	42.00	mg/Kg	11/02/09	11/03/09

Quant Method: DMK1013.M
Run #: 1103015
Instrument: APOLLO
Sequence: 091103
Dilution Factor: 10
Initials: STC

Printed: 11/04/09 3:19:25 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-120

Sample Collection Date: 10/20/2009

ARF: 60107

APPL ID: AY06308

QCG: \$TPMFS-091102A-138225

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.7 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.30	mg/Kg	11/2/2009	11/2/2009
EPA 8015B-	Surrogate: Octacosane (S)	87.8	47-140		%	11/2/2009	11/2/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1022284
Instrument: Apollo
Sequence: 091022
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:19:32 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-115

APPL ID: AY06303

Sample Collection Date: 10/20/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.58	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.95	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.86	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.74	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	1.9 J	60	0.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	16 J	60	3.4	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	6.0	0.76	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.83	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.0	0.96	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.96	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.56	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	6.0	0.77	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	9.2 J	60	5.5	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.0	0.83	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.0	0.65	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	1.4 J	6.0	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.52	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.0	0.85	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	Not detected	6.0	0.82	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	115	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	101	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	112	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1022H09
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-116

APPL ID: AY06304

Sample Collection Date: 10/20/2009

QCG: \$86MFS-091021BH-137801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 14.7 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.9	0.95	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.9	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.9	0.56	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	5.9	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	5.9	0.93	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	5.9	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	5.9	0.73	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	3.7 J	59	0.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	59	0.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	59	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	18 J	59	3.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	5.9	0.74	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	5.9	0.81	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	5.9	0.94	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	5.9	0.94	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	5.9	0.57	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	5.9	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	5.9	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.9	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.9	0.55	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	5.9	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	5.9	0.75	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.9	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	6.3 J	59	5.4	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	5.9	0.81	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	5.9	0.63	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	4.6 J	5.9	0.76	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.9	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.9	0.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	5.9	0.83	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	5.9	2.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	Not detected	5.9	0.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	122	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	103	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	115	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1021H28
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-117

APPL ID: AY06305

Sample Collection Date: 10/20/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 20.9 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.3	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.3	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.3	0.61	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.3	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.3	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.3	0.91	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.3	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	6.3 J	63	0.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	63	0.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	63	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	48 J	63	3.5	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	6.3	0.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.3	0.87	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.3	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	13	2.0	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.3	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.3	0.62	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.3	2.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.3	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	13	2.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.3	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.3	0.59	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.3	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	6.3	0.81	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.3	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	63	5.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.3	0.87	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.3	0.68	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	1.7 J	6.3	0.82	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.3	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.3	0.54	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.3	0.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.3	2.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	Not detected	6.3	0.86	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	131	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	102	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	107	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1022H10
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 1:42:58 PM

APPL-F1-SC-MCRes/MCPQL-REG MDL.s

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-118

APPL ID: AY06306

Sample Collection Date: 10/20/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.9 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.99	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.58	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.96	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.88	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.76	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	6.1 J	61	0.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	61	0.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	61	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	49 J	61	3.4	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	6.1	0.77	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.1	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.1	0.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	6.1	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	61	5.6	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.66	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	1.8 J	6.1	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.52	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.1	0.86	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.1	2.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	Not detected	6.1	0.83	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	116	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	103	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	107	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1022H11
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 1:42:58 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-119

APPL ID: AY06307

Sample Collection Date: 10/20/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.98	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.58	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.96	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.87	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.75	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	8.5 J	61	0.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	61	0.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	61	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	78	61	3.4	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	6.1	0.76	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.1	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.1	0.59	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	6.1	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	61	5.6	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	4.9 J	6.1	0.65	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	2.5 J	6.1	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.52	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.1	0.86	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.1	2.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	3.2 J	6.1	0.82	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	127	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	97.8	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	119 #	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1022H12
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 1:42:58 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-120

APPL ID: AY06308

Sample Collection Date: 10/20/2009

QCG: \$86MFS-091021BH-137801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.7 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.59	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.89	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.76	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	Not detected	62	0.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	11 J	62	3.4	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	6.2	0.77	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.85	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.2	0.98	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.2	0.98	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.2	0.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.58	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	6.2	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	62	5.7	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.2	0.85	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.66	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	Not detected	6.2	0.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.53	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.2	0.87	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	Not detected	6.2	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	135	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	120	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	142 #	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1021H32
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 1:42:58 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-115

Sample Collection Date: 10/20/09

ARF: 60107

APPL ID: AY06303

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	98.4	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H18
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:40:33 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-116

Sample Collection Date: 10/20/09

ARF: 60107

APPL ID: AY06304

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 14.7 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.40	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	100	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H19
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:40:33 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-117

Sample Collection Date: 10/20/09

ARF: 60107

APPL ID: AY06305

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 20.9 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.3	0.43	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	99.3	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H20
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:40:33 AM
APPL-F1-SC-MCFes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-118

Sample Collection Date: 10/20/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60107

APPL ID: AY06306

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.9 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	108	70-130		%	11/01/09	11/01/09

Quant Method: HBTXGM.M
Run #: 1101H21
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:40:33 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-119

Sample Collection Date: 10/20/09

ARF: 60107

APPL ID: AY06307

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	0.89 ++J	1.2	0.41	mg/Kg	11/01/09	11/01/09
EPA 8015	Surrogate: BFB-FID (S)	93.7	70-130		%	11/01/09	11/01/09

J = Estimated value.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1101H22
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:40:33 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-120

Sample Collection Date: 10/20/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60107

APPL ID: AY06308

QCG: \$GSTS-091101A-138202

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.7 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	11/02/09	11/02/09
EPA 8015	Surrogate: BFB-FID (S)	96.0	70-130		%	11/02/09	11/02/09

Quant Method: HBTXGM.M
Run #: 1101H23
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/14/09 11:40:33 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-115

Sample Collection Date: 10/20/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60107

APPL ID: AY06303

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	61.9	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	8.0	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	59.4	0.6	0.08	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	48.0	6.0	1.40	mg/kg	1	10/23/09	10/26/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-116

Sample Collection Date: 10/20/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60107

APPL ID: AY06304

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 14.7 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	58.5	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	13.0	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	55.8	0.6	0.08	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	47.7	5.9	1.30	mg/kg	1	10/23/09	10/26/09

Printed: 11/03/09 6:30:41 AM

L-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-117

APPL ID: AY06305

Sample Collection Date: 10/20/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 20.9 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	67.6	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	6.6	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	63.1	0.6	0.09	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	50.6	6.3	1.50	mg/kg	1	10/23/09	10/26/09

Printed: 11/03/09 6:30:41 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-118

Sample Collection Date: 10/20/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60107

APPL ID: AY06306

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.9 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	49.9	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	9.1	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	48.7	0.6	0.09	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	42.1	6.1	1.40	mg/kg	1	10/23/09	10/26/09

Printed: 11/03/09 6:30:41 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-119

APPL ID: AY06307

Sample Collection Date: 10/20/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	61.9	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	6.2	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	57.0	0.6	0.09	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	45.8	6.1	1.40	mg/kg	1	10/23/09	10/26/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60107

Sample ID: 9-120

APPL ID: AY06308

Sample Collection Date: 10/20/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 18.7 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	71.1	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	6.5	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	71.1	0.6	0.09	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	55.1	6.2	1.40	mg/kg	1	10/23/09	10/26/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
 1230 Columbia Street, Suite 750
 San Diego, CA 92101 (619) 234-8696

NUMBER 30826

CHAIN-OF-CUSTODY RECORD

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED								LABORATORY NAME		Project Information Section Do not submit to Laboratory									
PROJECT LOCATION		PROJECT NO.		BZ LOB/NOCS	TPH-P	TPH-E	LOI OB/LEAD	LOI OB/CAS/CU/Pb)	NILZD								APPL						
SAMPLER NAME		AIRBILL NUMBER															LABORATORY ID (FOR LABORATORY)						
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER															60122						
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER											LEVEL	T Y P E	T A T	COMMENTS						
				3	4												START	END					
9-TB13	10/21/09	0700	3	X		W	10	X												Trip Blank	/	/	Reg.
9-100	10/21/09	0751	7	X		S	10	X	X	X	X									SZ5-SB-2	3.5'	4'	Reg.
9-099	10/21/09	0813	7	X		S	10	X	X	X	X									SZ5-SB-1	3.5'	4'	Reg.
9-132	10/21/09	0906	7	X		S	10	X	X	X		X								UST58-SB-1	2.5'	3'	Reg.
9-133	10/21/09	0922	7	X		S	10	X	X	X		X								UST58-SB-2	3'	3.5'	Reg.
9-134	10/21/09	0940	7	X		S	10	X	X	X		X								UST58-SB-3	2.5'	3'	Reg.
9-135	10/21/09	1002	7		X	S	10	X	X	X		X								UST58-SB-4	3.5'	4'	Reg.
9-147	10/21/09	1018	7	X		S	10	X	X	X		X								UST58-SB-5	3'	3.5'	Reg.
9-125	10/21/09	1106	7	X		S	10	X	X	X		X								S41B-SB-1	3.5'	4'	Reg.
9-EB16	10/21/09	1347	8	X		W	10	X	X	X		X								EQUIPMENT BLANK			Reg.
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS																			
<i>[Signature]</i>	10/21			60103 NOT FIELD FILTERED																			
COMPANY	TIME	COMPANY		COMPOSITE DESCRIPTION																			
TEEC	1700	APPL																					
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																			
				TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																			
COMPANY	TIME	COMPANY		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																			

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-132

Sample Collection Date: 10/21/2009

ARF: 60122

APPL ID: AY06489

QCG: \$TPMFS-091104A-138274

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 12.0 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.1	0.68	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	JP5	Not detected	11.0	3.80	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Kerosene	Not detected	11.0	3.80	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Motor Oil	46	11.0	4.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Surrogate: Octacosane (S)	93.2	47-140		%	11/4/2009	11/5/2009

AMENDED PAGE

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Quant Method: DMK1013.M
Run #: 1103107
Instrument: Apollo
Sequence: 091103
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-133

Sample Collection Date: 10/21/2009

ARF: 60122

APPL ID: AY06490

QCG: \$TPMFS-091104A-138274

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 22.6 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	780 ++	13.0	7.80	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	JP5	330	130.0	43.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Kerosene	330	130.0	43.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Motor Oil	1300	130.0	45.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Surrogate: Octacosane (S)	245 #	47-140		%	11/4/2009	11/5/2009

= Recovery (or RPD) is outside QC limits.

++(T1I) The analyst has noted that the chromatogram of this sample includes a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK1013.M

Run #: 1103121

Instrument: Apollo

Sequence: 091103

Dilution Factor: 10

Initials: STC

AMENDED PAGE

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-134

Sample Collection Date: 10/21/2009

ARF: 60122

APPL ID: AY06491

QCG: \$TPMFS-091104A-138274

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	130 ++	6.0	3.60	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	JP5	49 J	60.0	20.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Kerosene	49 J	60.0	20.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Motor Oil	160	60.0	21.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Surrogate: Octacosane (S)	108	47-140		%	11/4/2009	11/5/2009

J = Estimated value.

++(T1) The analyst has noted that the chromatogram of this sample includes a wide range of hydrocarbons which are not necessarily indicative of diesel.

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1103122
Instrument: Apollo
Sequence: 091103
Dilution Factor: 5
Initials: STC

Printed: 12/21/2009 12:23:16 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-135

Sample Collection Date: 10/21/2009

ARF: 60122

APPL ID: AY06492

QCG: \$TPMFS-091104A-138274

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 12.5 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	5.7	3.40	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	JP5	Not detected	57.0	19.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Kerosene	Not detected	57.0	19.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Motor Oil	170	57.0	20.00	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Surrogate: Octacosane (S)	114	47-140		%	11/4/2009	11/5/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1103123
Instrument: Apollo
Sequence: 091103
Dilution Factor: 5
Initials: STC

Printed: 12/21/2009 12:23:16 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-147

Sample Collection Date: 10/21/2009

ARF: 60122

APPL ID: AY06493

QCG: \$TPMFS-091104A-138274

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.75	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Motor Oil	Not detected	12.0	4.40	mg/Kg	11/4/2009	11/5/2009
EPA 8015B-	Surrogate: Octacosane (S)	83.5	47-140		%	11/4/2009	11/5/2009

AMENDED PAGE

Quant Method: DMK1013.M
Run #: 1103111
Instrument: Apollo
Sequence: 091103
Dilution Factor: 1
Initials: STC

Printed: 12/21/2009 12:23:16 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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APPL Inc.
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Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-132

APPL ID: AY06489

Sample Collection Date: 10/21/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 12.0 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.7	0.92	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.7	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.7	0.55	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	5.7	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	5.7	0.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	5.7	0.82	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	5.7	0.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	5.1 J	57	0.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	57	0.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	57	1.0	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	36 J	57	3.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	17	5.7	0.72	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	5.7	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	5.7	0.91	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	11	1.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	5.7	0.91	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	5.7	0.56	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	5.7	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	5.7	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	11	2.0	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.7	1.20	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.7	0.53	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	5.7	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	4.0 J	5.7	0.73	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.7	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	57	5.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	5.7	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	5.7	0.61	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	21	5.7	0.74	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.7	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.7	0.49	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	5.7	0.81	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	5.7	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	8.1	5.7	0.77	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	117	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	99.4	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	110	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1022H16
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 3:01:04 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-133

APPL ID: AY06490

Sample Collection Date: 10/21/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 22.6 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.5	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.5	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.5	0.62	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.5	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.5	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.5	0.93	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.5	0.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	2.6 J	65	0.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	65	0.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	65	1.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	22 J	65	3.6	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	Not detected	6.5	0.81	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.5	0.89	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.5	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	13	2.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.5	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.5	0.63	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.5	2.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.5	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	13	2.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.5	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.5	0.61	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.5	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	6.5	0.83	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.5	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	6.5 J	65	5.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.5	0.89	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.5	0.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	Not detected	6.5	0.84	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.5	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.5	0.56	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.5	0.92	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.5	2.20	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	Not detected	6.5	0.88	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	122	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	124 #	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	102	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86TTS.M
Run #: 1022H17
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 3:01:04 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-134

APPL ID: AY06491

Sample Collection Date: 10/21/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.2 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.98	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.58	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.95	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.87	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.75	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	6.7 J	60	0.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	63	60	3.4	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	19	6.0	0.76	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.83	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.0	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.57	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	4.6 J	6.0	0.77	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	60	5.6	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.0	0.83	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.0	0.65	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	22	6.0	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.52	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.0	0.86	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	9.8	6.0	0.82	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	114	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	91.2	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	109	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1022H18
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 3:01:04 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-135

APPL ID: AY06492

Sample Collection Date: 10/21/2009

CGC: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 12.5 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.7	0.93	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.7	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.7	0.55	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	5.7	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	5.7	0.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	5.7	0.82	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	5.7	0.71	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	1.9 J	57	0.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	57	0.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	57	1.0	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	16 J	57	3.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	3.1 J	5.7	0.72	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	5.7	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	5.7	0.91	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	11	1.8	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	5.7	0.91	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	5.7	0.56	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	5.7	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	5.7	1.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	11	2.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.7	1.20	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.7	0.54	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	5.7	0.97	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	Not detected	5.7	0.73	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.7	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	57	5.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	5.7	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	5.7	0.62	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	3.8 J	5.7	0.74	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.7	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.7	0.49	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	5.7	0.81	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	5.7	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	1.2 J	5.7	0.78	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	118	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	104	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	105	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1022H19
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

Printed: 11/3/2009 3:01:04 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-147

APPL ID: AY06493

Sample Collection Date: 10/21/2009

QCG: \$86MFS-091022AH-137802

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.60	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.99	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Butanone	13 J	62	0.9	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Acetone	150	62	3.5	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Benzene	9.9	6.2	0.79	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.86	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromoform	Not detected	6.2	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Carbon tetrachloride	Not detected	6.2	1.00	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chlorobenzene	Not detected	6.2	0.61	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cls-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	cls-1,3-Dichloropropene	Not detected	6.2	0.59	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Ethylbenzene	2.2 J	6.2	0.80	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Methylene chloride	Not detected	62	5.7	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Styrene	Not detected	6.2	0.86	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Toluene	11	6.2	0.81	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.54	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Trichloroethene	Not detected	6.2	0.89	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Xylenes	4.7 J	6.2	0.85	ug/Kg	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	118	70-140		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	100	85-120		%	10/22/2009	10/22/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	113	85-115		%	10/22/2009	10/22/2009

J = Estimated value.

Quant Method: H86TTS.M
Run #: 1022H20
Instrument: Hewey
Sequence: H091020
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-132

Sample Collection Date: 10/21/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60122

APPL ID: AY06489

QCG: \$GSTS-091102A-138248

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 12.0 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.1	0.39	mg/Kg	11/02/09	11/02/09
EPA 8015	Surrogate: BFB-FID (S)	103	70-130		%	11/02/09	11/02/09

Quant Method: HBTXGM.M
Run #: 1101H51
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/19/09 7:17:32 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-133

APPL ID: AY06490

Sample Collection Date: 10/21/09

QCG: \$GSTS-091102A-138248

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 22.6 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	16 ++	1.3	0.44	mg/Kg	11/02/09	11/02/09
EPA 8015	Surrogate: BFB-FID (S)	144 #	70-130		%	11/02/09	11/02/09

= Recovery (or RPD) is outside QC limits.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1101H52
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/19/09 7:17:32 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-134

APPL ID: AY06491

Sample Collection Date: 10/21/09

QCG: \$GSTS-091102A-138248

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.2 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	0.53 ++J	1.2	0.41	mg/Kg	11/02/09	11/02/09
EPA 8015	Surrogate: BFB-FID (S)	105	70-130		%	11/02/09	11/02/09

J = Estimated value.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1101H53
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/19/09 7:17:32 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-135
Sample Collection Date: 10/21/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60122
APPL ID: AY06492
QCG: \$GSTS-091102A-138248

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 12.5 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.1	0.39	mg/Kg	11/02/09	11/02/09
EPA 8015	Surrogate: BFB-FID (S)	88.8	70-130		%	11/02/09	11/02/09

Quant Method: HBTXGM.M
Run #: 1101H54
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/19/09 7:17:32 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki
Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-147

Sample Collection Date: 10/21/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60122

APPL ID: AY06493

QCG: \$GSTS-091102A-138248

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	11/02/09	11/02/09
EPA 8015	Surrogate: BFB-FID (S)	99.3	70-130		%	11/02/09	11/02/09

Quant Method: HBTXGM.M
Run #: 1101H55
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 11/19/09 7:17:32 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-132

APPL ID: AY06489

Sample Collection Date: 10/21/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 12.0 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.03	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	33.3	0.6	0.03	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	4.9	0.6	0.10	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	41.7	0.6	0.08	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	59.2	5.7	1.30	mg/kg	1	10/23/09	10/26/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-133

Sample Collection Date: 10/21/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60122

APPL ID: AY06490

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 22.6 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.7	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	78.9	0.7	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	15.5	0.7	0.12	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	97.5	0.7	0.09	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	73.6	6.5	1.50	mg/kg	1	10/23/09	10/26/09

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-134

Sample Collection Date: 10/21/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60122

APPL ID: AY06491

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 17.2 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	64.7	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	14.7	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	75.1	0.6	0.09	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	62.7	6.0	1.40	mg/kg	1	10/23/09	10/26/09

Printed: 11/04/09 9:59:15 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

Sample ID: 9-135

Sample Collection Date: 10/21/09

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 60122

APPL ID: AY06492

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 12.5 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.03	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	52.3	0.6	0.03	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	3.5	0.6	0.10	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	46.9	0.6	0.08	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	67.7	5.7	1.30	mg/kg	1	10/23/09	10/26/09

Printed: 11/04/09 9:59:15 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009 E Moffett Petroleum Sites

ARF: 60122

Sample ID: 9-147

APPL ID: AY06493

Sample Collection Date: 10/21/09

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Concentrations and Limits have been adjusted to reflect 19.8 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	Not detected	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Chromium (Cr)	62.8	0.6	0.04	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Lead (Pb)	7.9	0.6	0.11	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Nickel (Ni)	105	0.6	0.09	mg/kg	1	10/23/09	10/26/09
6010B/3050B	Zinc (Zn)	56.6	6.2	1.40	mg/kg	1	10/23/09	10/26/09

Printed: 11/04/09 9:59:15 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30870

CHAIN-OF-CUSTODY RECORD

pg 2 of 2

PROJECT NAME		PURCHASE ORDER NO.				ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory							
PROJECT LOCATION		PROJECT NO.				TPH - extractable	TPH - purgeable	8260 - VOCs													APPL				
SAMPLER NAME		AIRBILL NUMBER							LABORATORY ID (FOR LABORATORY)												61118				
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																			COMMENTS				
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		T Y P E	T A T											LOCATION	DEPTH		QC				
				3	4			START	END																
9-TB17	3/10/10	1500	6	X		W	10	X	X											Trip Blank	/	/	TB		
9-196	3/10/10	1529	7	X		S	10	X	X	X										S63-SBHP-2	6	7	Reg.		
9-197	3/10/10	1555	8	X		W	10	X	X	X										S63-SBHP-2	2	12	Reg.		
9-EB21	3/10/10	1630	8	X		W	10	X	X	X										Equip Blank	/	/	EB		
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT: Step-out Borings										
COMPANY		TIME	COMPANY																						
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																				
COMPANY		TIME	COMPANY																						
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																				
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																				

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-196

Sample Collection Date: 03/10/10

ARF: 61118

APPL ID: AY12613

QCG: \$TPMFS-100316A-141652

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.1 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	120 ++	5.9	3.50	mg/Kg	03/16/10	03/19/10
EPA 8015B-	JP5	95	59.0	19.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Kerosene	95	59.0	19.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Motor Oil	83	59.0	21.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	97.4	47-140		%	03/16/10	03/19/10

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK0302.M
Run #: 317091
Instrument: Apollo
Sequence: 100317
Dilution Factor: 5
Initials: STC

Printed: 03/22/10 8:55:21 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-197

Sample Collection Date: 03/10/10

ARF: 61118

APPL ID: AY12614

QCG: \$TPMFW-100315A-141651

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/15/10	03/17/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Surrogate: Octacosane (S)	88.0	47-140		%	03/15/10	03/17/10

Quant Method: DMK0302.M
Run #: 317022
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/22/10 8:55:21 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61118

Sample ID: 9-196

APPL ID: AY12613

Sample Collection Date: 3/10/2010

QCG: \$86MFS-100314BH-141680

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.1 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.9	0.95	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.9	1.50	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.9	0.57	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	Not detected	5.9	1.30	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	5.9	0.93	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	5.9	0.85	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.9	0.73	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	59	0.8	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	59	0.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	59	1.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	59	3.3	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Benzene	Not detected	5.9	0.74	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	5.9	0.81	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	5.9	0.94	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.9	0.94	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	5.9	0.58	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	5.9	1.80	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	5.9	1.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	12	2.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.9	1.30	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.9	0.55	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	5.9	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	5.9	0.75	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.9	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	59	5.4	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	5.9	0.81	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	5.9	0.64	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Toluene	Not detected	5.9	0.77	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.9	1.60	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.9	0.51	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	Not detected	5.9	0.84	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	5.9	2.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	5.9	0.80	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	99.2	70-140		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	95.7	85-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	90.4	85-115		%	3/15/2010	3/15/2010

Quant Method: H86MFS.M
Run #: 0314H36
Instrument: Hewey
Sequence: H100312
Dilution Factor: 1
Initials: SV

Printed: 3/23/2010 10:00:20 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61118

Sample ID: 9-197

APPL ID: AY12614

Sample Collection Date: 3/10/2010

QCG: \$86MFW-100312AM-141474

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	3/12/2010	3/12/2010
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	3/12/2010	3/12/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	3/12/2010	3/12/2010
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	3/12/2010	3/12/2010
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	3/12/2010	3/12/2010
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	96.5	70-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	104	75-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	98.6	85-120		%	3/12/2010	3/12/2010

Quant Method: M86MFW.M
Run #: 0312M13
Instrument: Max
Sequence: M100305
Dilution Factor: 1
Initials: GM

Printed: 3/23/2010 10:00:20 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-196

Sample Collection Date: 03/10/10

ARF: 61118

APPL ID: AY12613

QCG: \$GSTS-100316A-141691

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.1 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.40	mg/Kg	03/16/10	03/16/10
EPA 8015	Surrogate: BFB-FID (S)	108	70-130		%	03/16/10	03/16/10

Quant Method: HBTXGM.M
Run #: 0316H08
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:28:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-197

Sample Collection Date: 03/10/10

ARF: 61118

APPL ID: AY12614

QCG: \$GSWCT-100317A-141692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	03/17/10	03/17/10
8015	Surrogate: BFB-FID (S)	109	70-130		%	03/17/10	03/17/10

Quant Method: HBTXGM.M
Run #: 0316H39
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:28:29 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRATECH
 1230 Columbia Street, Suite 750
 San Diego, CA 92101 (619) 234-8696

NUMBER 30881

CHAIN-OF-CUSTODY RECORD

pg 1 of 2

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory							
PROJECT LOCATION		PROJECT NO.		82608 VOCs	TPH - Purgeable	TPH - extractable	60208 Tot. Metals Cd, Cr, Pb, Ni, Zn	60208 Dis. Metals Cd, Cr, Pb, Ni, Zn							APPL				LABORATORY ID (FOR LABORATORY)				
SAMPLER NAME		AIRBILL NUMBER																				LABORATORY ID (FOR LABORATORY)	
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																	COMMENTS			LOCATION	
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER													LEVEL	T	T	T	T	T	T	T
				3 4	E	T																	
9-7B18	3/11/10	0730	6	X		W	10	X	X										Trip Blank	/	/	TB	
9-193	3/11/10	0810	7	X		S	10	X	X	X									S63-SBHP-1	6	7	Req.	
9-194	3/11/10	0825	8	X		W	10	X	X	X									S63-SBHP-1	3	8	Req.	
9-199	3/11/10	0856	7	X		S	10	X	X	X									S63-SBHP-3	6	7	Req.	
9-200	3/11/10	0915	8	X		W	10	X	X	X									S63-SBHP-3	3	8	Req.	
9-203	3/11/10	1110	7	X		S	10	X	X	X	X								UST 58-SBHP-5	9	10	Req.	
9-204	3/11/10	1250	9	X		W	10	X	X	X		X							UST 58-SBHP-5	6	16	Req.	
9-205	3/11/10	1320	7	X		S	10	X	X	X	X								UST 58-SBHP-6	9	10	Req.	
9-207	3/11/10	1351	7	X		S	10	X	X	X	X								UST 58-SBHP-7	7	8	Req.	
9-208	3/11/10	1415	9	X		W	10	X	X	X		X							UST 58-SBHP-7	6	16	Req.	
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT: Step-out Borings										
COMPANY	TIME	COMPANY																					
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	COMPOSITE DESCRIPTION																				
COMPANY	TIME	COMPANY																					
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																				
COMPANY	TIME	COMPANY	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																				



TETRA TECH
 1230 Columbia Street, Suite 750
 San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 30873

pg 2 of 2

PROJECT NAME		PURCHASE ORDER NO.			ANALYSES REQUIRED										LABORATORY NAME		
PROJECT LOCATION		PROJECT NO.			LABORATORY ID (FOR LABORATORY)		LABORATORY ID (FOR LABORATORY)		LABORATORY ID (FOR LABORATORY)		LABORATORY ID (FOR LABORATORY)		LABORATORY ID (FOR LABORATORY)		LABORATORY ID (FOR LABORATORY)		
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER			COMMENTS		LOCATION		DEPTH		QC		LABORATORY ID (FOR LABORATORY)		LABORATORY ID (FOR LABORATORY)		
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYPE	T	A	T	T	T	T	T	T	T	T	
				3	4												START
Moffett Aetro Sites																	
Moffett Field, CA																	
Larry Dudus																	
Diane Suzuki																	
9-206	3/11/10	1445	9	X		W	10	X	X	X	X						
9-EB22	3/11/10	1600	9	X		W	10	X	X	X	X						
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT:	
[Signature]		7630		[Signature]		All Field Filtered except 9-EB22										Stepout Borings ✓	
COMPANY		TIME		COMPANY		COMPOSITE DESCRIPTION											
TEC		3/11		APPL													
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)											
						TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN											
COMPANY		TIME		COMPANY		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN											

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-193

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12669

QCG: \$TPMFS-100316A-141652

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.72	mg/Kg	03/16/10	03/19/10
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	120	47-140		%	03/16/10	03/19/10

Quant Method: DMK0302.M
Run #: 317073
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/22/10 9:26:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-194

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12670

QCG: \$TPMFW-100315A-141651

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/15/10	03/17/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Surrogate: Octacosane (S)	82.2	47-140		%	03/15/10	03/17/10

Quant Method: DMK0302.M
Run #: 317024
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/22/10 9:26:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-199

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12671

QCG: \$TPMFS-100316A-141652

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.3 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.72	mg/Kg	03/16/10	03/19/10
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Kerosene	Not detected	12.0	3.90	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	97.8	47-140		%	03/16/10	03/19/10

Quant Method: DMK0302.M
Run #: 317074
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/22/10 9:26:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-200

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12672

QCG: \$TPMFW-100315A-141651

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/15/10	03/17/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Surrogate: Octacosane (S)	89.5	47-140		%	03/15/10	03/17/10

Quant Method: DMK0302.M
Run #: 317025
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/22/10 9:26:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-203

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12673

QCG: \$TPMFS-100316A-141652

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	1900 ++	25.0	15.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	JP5	1500	250.0	82.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Kerosene	1500	250.0	82.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Motor Oil	1000	250.0	87.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	03/16/10	03/19/10

DO = Diluted Out.

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK0302.M
Run #: 317092
Instrument: Apollo
Sequence: 100317
Dilution Factor: 20
Initials: STC

Printed: 03/22/10 9:26:44 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-204

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12674

QCG: \$TPMFW-100315A-141651

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	2.7 ++	0.05	0.040	mg/L	03/15/10	03/19/10
EPA 8015B-	JP5	1.8	0.5	0.11	mg/L	03/15/10	03/19/10
EPA 8015B-	Kerosene	1.8	0.5	0.11	mg/L	03/15/10	03/19/10
EPA 8015B-	Motor Oil	1.6	0.5	0.11	mg/L	03/15/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	90.8	47-140		%	03/15/10	03/19/10

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK0302.M
Run #: 317086
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/22/10 9:26:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-205

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12675

QCG: \$TPMFS-100316A-141652

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	260 ++	6.2	3.70	mg/Kg	03/16/10	03/19/10
EPA 8015B-	JP5	140	62.0	21.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Kerosene	140	62.0	21.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Motor Oil	240	62.0	22.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	139	47-140		%	03/16/10	03/19/10

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 317093
Instrument: Apollo
Sequence: 100317
Dilution Factor: 5
Initials: STC

Printed: 03/22/10 9:26:44 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites
Sample ID: 9-207
Sample Collection Date: 03/11/10

ARF: 61125
APPL ID: AY12676
QCG: \$TPMFS-100316A-141652

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 23.0 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	1000 ++	26.0	16.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	JP5	620	260.0	86.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Kerosene	620	260.0	86.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Motor Oil	770	260.0	91.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	03/16/10	03/19/10

DO = Diluted Out.
++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK0302.M
Run #: 317094
Instrument: Apollo
Sequence: 100317
Dilution Factor: 20
Initials: STC

Printed: 03/22/10 9:26:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-208

APPL ID: AY12677

Sample Collection Date: 03/11/10

QCG: \$TPMFW-100315A-141651

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/15/10	03/17/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/15/10	03/17/10
EPA 8015B-	Surrogate: Oclacosane (S)	103	47-140		%	03/15/10	03/17/10

Quant Method: DMK0302.M
Run #: 317027
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/26/10 5:01:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-206

Sample Collection Date: 03/11/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61125

APPL ID: AY12678

QCG: \$TPMFW-100315A-141651

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	4.2 ++	0.25	0.200	mg/L	03/15/10	03/19/10
EPA 8015B-	JP5	2.3 J	2.5	0.55	mg/L	03/15/10	03/19/10
EPA 8015B-	Kerosene	2.3 J	2.5	0.55	mg/L	03/15/10	03/19/10
EPA 8015B-	Motor Oil	4.5	2.5	0.55	mg/L	03/15/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	99.5	47-140		%	03/15/10	03/19/10

J = Estimated value.

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK0302.M
Run #: 317087
Instrument: Apollo
Sequence: 100317
Dilution Factor: 5
Initials: STC

Printed: 03/22/10 9:26:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-193

Sample Collection Date: 03/11/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61125

APPL ID: AY12669

QCG: \$GSTS-100316A-141691

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	03/16/10	03/16/10
EPA 8015	Surrogate: BFB-FID (S)	111	70-130		%	03/16/10	03/16/10

Quant Method: HBTXGM.M
Run #: 0316H09
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-194

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12670

QCG: \$GSWCT-100317A-141692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	03/17/10	03/17/10
8015	Surrogate: BFB-FID (S)	114	70-130		%	03/17/10	03/17/10

Quant Method: HBTXGM.M
Run #: 0316H41
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-199

Sample Collection Date: 03/11/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61125

APPL ID: AY12671

QCG: \$GSTS-100316A-141691

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.3 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.41	mg/Kg	03/16/10	03/16/10
EPA 8015	Surrogate: BFB-FID (S)	110	70-130		%	03/16/10	03/16/10

Quant Method: HBTXGM.M
Run #: 0316H10
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-200

APPL ID: AY12672

Sample Collection Date: 03/11/10

QCG: \$GSWCT-100317A-141692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	03/17/10	03/17/10
8015	Surrogate: BFB-FID (S)	113	70-130		%	03/17/10	03/17/10

Quant Method: HBTXGM.M
Run #: 0316H42
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-203

Sample Collection Date: 03/11/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61125

APPL ID: AY12673

QCG: \$GSTS-100316A-141691

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.9 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	03/16/10	03/16/10
EPA 8015	Surrogate: BFB-FID (S)	162 #	70-130		%	03/16/10	03/16/10

= Recovery (or RPD) is outside QC limits.

Quant Method: HBTXGM.M
Run #: 0316H11
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-204

Sample Collection Date: 03/11/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61125

APPL ID: AY12674

QCG: \$GSWCT-100317A-141692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	03/17/10	03/17/10
8015	Surrogate: BFB-FID (S)	125	70-130		%	03/17/10	03/17/10

Quant Method: HBTXGM.M
Run #: 0316H43
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-205

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12675

QCG: \$GSTS-100316A-141691

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	03/17/10	03/17/10
EPA 8015	Surrogate: BFB-FID (S)	213 #	70-130		%	03/17/10	03/17/10

= Recovery (or RPD) is outside QC limits.

Quant Method: HBTXGM.M
Run #: 0316H12
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-207

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12676

QCG: \$GSTS-100316A-141691

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 23.0 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.3	0.44	mg/Kg	03/17/10	03/17/10
EPA 8015	Surrogate: BFB-FID (S)	246 #	70-130		%	03/17/10	03/17/10

= Recovery (or RPD) is outside QC limits.

Quant Method: HBTXGM.M
Run #: 0316H13
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-208

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12677

QCG: \$GSWCT-100317A-141692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	03/17/10	03/17/10
8015	Surrogate: BFB-FID (S)	119	70-130		%	03/17/10	03/17/10

Quant Method: HBTXGM.M
Run #: 0316H44
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-206

APPL ID: AY12678

Sample Collection Date: 03/11/10

QCG: \$GSWCT-100317A-141692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	03/17/10	03/17/10
8015	Surrogate: BFB-FID (S)	127	70-130		%	03/17/10	03/17/10

Quant Method: HBTXGM.M
Run #: 0316H45
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:32:04 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-193

APPL ID: AY12669

Sample Collection Date: 3/11/2010

QCG: \$86MFS-100314BH-141680

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.97	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.58	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.95	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.86	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.74	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	60	0.8	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	60	3.4	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Benzene	Not detected	6.0	0.76	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.83	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	6.0	0.96	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.96	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.56	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	6.0	0.77	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	60	5.5	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	6.0	0.83	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	6.0	0.65	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Toluene	Not detected	6.0	0.78	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.52	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	Not detected	6.0	0.85	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	6.0	0.82	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	121	70-140		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	108	85-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	104	85-115		%	3/15/2010	3/15/2010

Quant Method: H86MFS.M
Run #: 0314H37
Instrument: Hewey
Sequence: H100312
Dilution Factor: 1
Initials: SV

Printed: 3/25/2010 10:02:07 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-194

APPL ID: AY12670

Sample Collection Date: 3/11/2010

QCG: \$86MFW-100312AM-141474

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	3/12/2010	3/12/2010
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	3/12/2010	3/12/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	3/12/2010	3/12/2010
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	3/12/2010	3/12/2010
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	3/12/2010	3/12/2010
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	94.1	70-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	105	75-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	101	85-120		%	3/12/2010	3/12/2010

Quant Method: M86MFW.M
Run #: 0312M15
Instrument: Max
Sequence: M100305
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-199

APPL ID: AY12671

Sample Collection Date: 3/11/2010

QCG: \$86MFS-100314BH-141680

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.3 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.0	0.97	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.0	1.50	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.0	0.57	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	Not detected	6.0	1.40	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	6.0	0.94	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	6.0	0.86	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	6.0	0.74	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	60	0.8	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	60	0.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	60	1.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	60	3.3	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Benzene	Not detected	6.0	0.75	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	6.0	0.82	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	6.0	0.96	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	12	1.9	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	6.0	0.96	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	6.0	0.59	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	6.0	1.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	6.0	1.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.0	1.30	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.0	0.56	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	6.0	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	6.0	0.76	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.0	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	60	5.5	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	6.0	0.82	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	6.0	0.65	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Toluene	Not detected	6.0	0.78	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.0	1.60	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.0	0.51	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	Not detected	6.0	0.85	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	6.0	2.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	6.0	0.81	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	147 #	70-140		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	132 #	85-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	109	85-115		%	3/15/2010	3/15/2010

= Recovery (or RPD) is outside QC limits.

Quant Method: H86MFS.M
Run #: 0314H38
Instrument: Hewey
Sequence: H100312
Dilution Factor: 1
Initials: SV

Printed: 3/25/2010 10:02:07 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-200

APPL ID: AY12672

Sample Collection Date: 3/11/2010

QCG: \$86MFW-100312AM-141474

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	3/12/2010	3/12/2010
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	3/12/2010	3/12/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	3/12/2010	3/12/2010
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	3/12/2010	3/12/2010
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	3/12/2010	3/12/2010
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	92.8	70-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	105	75-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	99.8	85-120		%	3/12/2010	3/12/2010

Quant Method: M86MFW.M
Run #: 0312M16
Instrument: Max
Sequence: M100305
Dilution Factor: 1
Initials: GM

Printed: 3/25/2010 10:02:07 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-203

APPL ID: AY12673

Sample Collection Date: 3/11/2010

QCG: \$86MFS-100314BH-141680

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.9 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.60	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.99	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	62	0.9	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	62	3.5	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Benzene	Not detected	6.2	0.79	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.86	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	6.2	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	6.2	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	6.2	0.61	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.59	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	6.2	0.80	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	62	5.7	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	6.2	0.86	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Toluene	Not detected	6.2	0.81	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.54	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	Not detected	6.2	0.89	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	6.2	0.85	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	144 #	70-140		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	327 #	85-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	90.3	85-115		%	3/15/2010	3/15/2010

= Recovery (or RPD) is outside QC limits.

Quant Method: H86MFS.M
Run #: 0314H39
Instrument: Hewey
Sequence: H100312
Dilution Factor: 1
Initials: SV

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
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Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-204

APPL ID: AY12674

Sample Collection Date: 3/11/2010

QCG: \$86MFW-100312AM-141474

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	3/12/2010	3/12/2010
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	3/12/2010	3/12/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	3/12/2010	3/12/2010
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	3/12/2010	3/12/2010
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	3/12/2010	3/12/2010
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	93.7	70-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	113	75-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	99.7	85-120		%	3/12/2010	3/12/2010

Quant Method: M86MFW.M
Run #: 0312M17
Instrument: Max
Sequence: M100305
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-205

APPL ID: AY12675

Sample Collection Date: 3/11/2010

QCG: \$86MFS-100314BH-141680

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.2	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.2	1.50	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.2	0.60	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	Not detected	6.2	1.40	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	6.2	0.98	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	6.2	0.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	6.2	0.77	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	62	0.9	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	62	0.3	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	62	1.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	62	3.5	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Benzene	0.95 J	6.2	0.78	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	6.2	0.86	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	6.2	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	6.2	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	6.2	0.61	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	6.2	1.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	6.2	1.80	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.2	1.30	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.2	0.59	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	6.2	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	6.2	0.80	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.2	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	62	5.7	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	6.2	0.86	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	6.2	0.67	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Toluene	1.1 J	6.2	0.81	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.2	1.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.2	0.54	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	Not detected	6.2	0.88	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	6.2	2.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	6.2	0.85	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	118	70-140		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	156 #	85-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	106	85-115		%	3/15/2010	3/15/2010

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86MFS.M
Run #: 0314H40
Instrument: Hewey
Sequence: H100312
Dilution Factor: 1
Initials: SV

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-207

APPL ID: AY12676

Sample Collection Date: 3/11/2010

QCG: \$86MFS-100314BH-141680

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 23.0 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.5	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.5	1.60	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.5	0.62	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	Not detected	6.5	1.50	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	6.5	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	6.5	0.94	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	6.5	0.81	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	65	0.9	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	65	0.3	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	65	1.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	65	3.6	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Benzene	9.3	6.5	0.82	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	6.5	0.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	6.5	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	13	2.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	6.5	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	6.5	0.64	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	6.5	2.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	6.5	1.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	13	2.3	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.5	1.40	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.5	0.61	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	6.5	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	6.5	0.83	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.5	1.20	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	65	6.0	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	6.5	0.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	6.5	0.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Toluene	5.2 J	6.5	0.84	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.5	1.80	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.5	0.56	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	Not detected	6.5	0.92	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	6.5	2.20	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	6.5	0.88	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	116	70-140		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	196 #	85-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	101	85-115		%	3/15/2010	3/15/2010

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: H86MFS.M
Run #: 0314H42
Instrument: Hewey
Sequence: H100312
Dilution Factor: 1
Initials: SV

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

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Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-208

APPL ID: AY12677

Sample Collection Date: 3/11/2010

QCG: \$86MFW-100312AM-141474

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	3/12/2010	3/12/2010
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	3/12/2010	3/12/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	3/12/2010	3/12/2010
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	3/12/2010	3/12/2010
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	3/12/2010	3/12/2010
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	92.3	70-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	113	75-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	104	85-120		%	3/12/2010	3/12/2010

Quant Method: M86MFW.M
Run #: 0312M18
Instrument: Max
Sequence: M100305
Dilution Factor: 1
Initials: GM

Printed: 3/25/2010 10:02:07 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-206

APPL ID: AY12678

Sample Collection Date: 3/11/2010

QCG: \$86MFW-100312AM-141474

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	3/12/2010	3/12/2010
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	3/12/2010	3/12/2010
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	3/12/2010	3/12/2010
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	3/12/2010	3/12/2010
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	3/12/2010	3/12/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	3/12/2010	3/12/2010
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	3/12/2010	3/12/2010
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	3/12/2010	3/12/2010
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	3/12/2010	3/12/2010
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	3/12/2010	3/12/2010
EPA 8260B	Trichloroethene	Not detected	5.0	0.16	ug/L	3/12/2010	3/12/2010
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	3/12/2010	3/12/2010
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	89.5	70-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	115	75-120		%	3/12/2010	3/12/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	96.6	85-120		%	3/12/2010	3/12/2010

Quant Method: M86MFW.M
Run #: 0312M19
Instrument: Max
Sequence: M100305
Dilution Factor: 1
Initials: GM

Printed: 3/25/2010 10:02:07 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-203

APPL ID: AY12673

Sample Collection Date: 03/11/10

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.9 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.21 J	0.6	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Chromium (Cr)	44.7	0.6	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Lead (Pb)	6.5	0.6	0.11	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Nickel (Ni)	50.7	0.6	0.09	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Zinc (Zn)	46.1	6.2	1.40	mg/kg	1	03/16/10	03/16/10

J = Estimated value.

Printed: 03/19/10 11:56:07 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-204

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12674

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	Not detected	0.2	0.02	ug/L	1	03/15/10	03/17/10
6020	Chromium (Cr) (Dissolved)	0.21 J	0.5	0.04	ug/L	1	03/15/10	03/17/10
6020	Lead (Pb) (Dissolved)	Not detected	0.2	0.11	ug/L	1	03/15/10	03/17/10
6020	Nickel (Ni) (Dissolved)	4.9	0.5	0.16	ug/L	1	03/15/10	03/17/10
6020	Zinc (Zn) (Dissolved)	4.6 J	20.0	2.30	ug/L	1	03/15/10	03/17/10

J = Estimated value.

Printed: 03/19/10 11:58:07 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-205

Sample Collection Date: 03/11/10

ARF: 61125

APPL ID: AY12675

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.17 J	0.6	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Chromium (Cr)	45.5	0.6	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Lead (Pb)	5.1	0.6	0.11	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Nickel (Ni)	45.7	0.6	0.09	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Zinc (Zn)	40.7	6.2	1.40	mg/kg	1	03/16/10	03/16/10

J = Estimated value.

Printed: 03/19/10 11:56:07 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-207

Sample Collection Date: 03/11/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61125

APPL ID: AY12676

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 23.0 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.095 J	0.7	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Chromium (Cr)	72.2	0.7	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Lead (Pb)	8.6	0.7	0.12	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Nickel (Ni)	77.9	0.7	0.09	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Zinc (Zn)	66.0	6.5	1.50	mg/kg	1	03/16/10	03/16/10

J = Estimated value.

Printed: 03/19/10 11:56:07 AM

PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61125

Sample ID: 9-208

APPL ID: AY12677

Sample Collection Date: 03/11/10

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	0.061 J	0.2	0.02	ug/L	1	03/15/10	03/17/10
6020	Chromium (Cr) (Dissolved)	0.32 J	0.5	0.04	ug/L	1	03/15/10	03/17/10
6020	Lead (Pb) (Dissolved)	Not detected	0.2	0.11	ug/L	1	03/15/10	03/17/10
6020	Nickel (Ni) (Dissolved)	4.6	0.5	0.16	ug/L	1	03/15/10	03/17/10
6020	Zinc (Zn) (Dissolved)	7.5 J	20.0	2.30	ug/L	1	03/15/10	03/17/10

J = Estimated value.

Printed: 03/19/10 11:56:07 AM
PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-206

Sample Collection Date: 03/11/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61125

APPL ID: AY12678

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	Not detected	0.2	0.02	ug/L	1	03/15/10	03/17/10
6020	Chromium (Cr) (Dissolved)	0.16 J	0.5	0.04	ug/L	1	03/15/10	03/17/10
6020	Lead (Pb) (Dissolved)	Not detected	0.2	0.11	ug/L	1	03/15/10	03/17/10
6020	Nickel (Ni) (Dissolved)	1.2	0.5	0.16	ug/L	1	03/15/10	03/17/10
6020	Zinc (Zn) (Dissolved)	6.9 J	20.0	2.30	ug/L	1	03/15/10	03/17/10

J = Estimated value.

Printed: 03/19/10 11:56:07 AM
PL-F1-SC-MCRes/MCPQL-REG MDLs



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30874

CHAIN-OF-CUSTODY RECORD

pg 1 of 2

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED												LABORATORY NAME	Project Information Section Do not submit to Laboratory							
PROJECT LOCATION		PROJECT NO.		82603 VOCs	TPH - Purgeable	TPH - extractable	Cd, Cr, Ni, Pb, Zn, Se	Total Metals	Perchlorate	As	Pb	Inorganic Metals	Organic Metals	LABORATORY ID (FOR LABORATORY)	LOCATION					DEPTH		QC		
SAMPLER NAME		AIRBILL NUMBER												COMMENTS	START	END				QC				
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER												START	END	QC								
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER											LEVEL	T	T	T	T	T	T	T	T	T	T
Moffett Petro SIPS																APPL								
Moffett Field, CA		106-3570.009.E														61131				TRIP Blank		/ /		TB
Larry Dudus		Courier																		WST58-SBHP-8		7 8		Reg.
Plane Suzuki		949-756-7584																		WST58-SBHP-8		6 16		Reg.
9-TB19	3/12/10	0700	6	X	W	10	X	X																
9-209	3/12/10	0802	7	X	S	10	X	X	X	X														
9-210	3/12/10	0830	9	X	W	10	X	X	X	X														
9-172	3/12/10	0928	6	X	S	10	X	X																
9-173	3/12/10	0943	6	X	S	10	X	X																
9-174	3/12/10	0955	6	X	W	10	X	X																
9-166	3/12/10	1014	18	X	S	10	X	X						ms/msd										
9-167	3/12/10	1037	6	X	S	10	X	X																
9-168	3/12/10	1055	18	X	W	10	X	X						ms/msd										
9-169	3/12/10	1118	6	X	S	10	X	X																
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS												SAMPLING COMMENT: STEP OUT Borings						
COMPANY		TIME		COMPANY																				
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																		
COMPANY		TIME		COMPANY																				
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																		
COMPANY		TIME		COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																		

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-209

Sample Collection Date: 03/12/10

ARF: 61131

APPL ID: AY12781

QCG: \$TPMFS-100316A-141652

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	260 ++	6.1	3.70	mg/Kg	03/16/10	03/19/10
EPA 8015B-	JP5	120	61.0	20.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Kerosene	120	61.0	20.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Motor Oil	270	61.0	21.00	mg/Kg	03/16/10	03/19/10
EPA 8015B-	Surrogate: Octacosane (S)	146 #	47-140		%	03/16/10	03/19/10

= Recovery (or RPD) is outside QC limits.

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK0302.M
Run #: 317095
Instrument: Apollo
Sequence: 100317
Dilution Factor: 5
Initials: STC

Printed: 03/22/10 9:40:00 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-210

Sample Collection Date: 03/12/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61131

APPL ID: AY12782

QCG: \$TPMFW-100325C-141917

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/25/10	03/27/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/25/10	03/27/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/25/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/25/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	105	47-140		%	03/25/10	03/27/10

Quant Method: DMK0302.M
Run #: 325115
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/29/10 11:35:13 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-209

Sample Collection Date: 03/12/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61131

APPL ID: AY12781

QCG: \$GSTS-100316A-141691

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.2 Percent Moisture.)							
EPA 8015	Gasoline (C6-C10)	Not detected	1.2	0.42	mg/Kg	03/17/10	03/17/10
EPA 8015	Surrogate: BFB-FID (S)	145 #	70-130		%	03/17/10	03/17/10

= Recovery (or RPD) is outside QC limits.

Quant Method: HBTXGM.M
Run #: 0316H14
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:35:15 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-210

Sample Collection Date: 03/12/10

ARF: 61131

APPL ID: AY12782

QCG: \$GSWCT-100317B-141693

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	Gasoline	Not detected	0.020	0.0086	mg/L	03/17/10	03/17/10
8015	Surrogate: BFB-FID (S)	95.4	70-130		%	03/17/10	03/17/10

Quant Method: HBTXGM.M
Run #: 0316H52
Instrument: Harpo
Sequence: 091017
Dilution Factor: 1
Initials: LF

Printed: 03/22/10 3:35:15 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61131

Sample ID: 9-209

APPL ID: AY12781

Sample Collection Date: 3/12/2010

QCG: \$86MFS-100315AH-141800

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.2 Percent Moisture.)							
EPA 8260B	1,1,1-Trichloroethane	Not detected	6.1	0.99	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	6.1	1.50	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	6.1	0.59	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	Not detected	6.1	1.40	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	6.1	0.97	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	6.1	0.88	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	6.1	0.76	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	61	0.9	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	61	0.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	61	1.1	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	61	3.4	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Benzene	Not detected	6.1	0.77	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	6.1	0.84	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	6.1	0.98	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	12	2.0	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	6.1	0.98	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	6.1	0.60	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	6.1	1.90	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	6.1	1.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	12	2.2	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	Not detected	6.1	1.30	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	6.1	0.57	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	6.1	1.00	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	6.1	0.78	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	6.1	1.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	61	5.6	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	6.1	0.84	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	6.1	0.66	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Toluene	Not detected	6.1	0.79	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	6.1	1.70	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	6.1	0.53	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	Not detected	6.1	0.87	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	6.1	2.10	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	6.1	0.83	ug/Kg	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	128	70-140		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	155 #	85-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	97.9	85-115		%	3/15/2010	3/15/2010

= Recovery (or RPD) is outside QC limits.

Quant Method: H86MFS.M
Run #: 0315H10
Instrument: Hewey
Sequence: H100312
Dilution Factor: 1
Initials: SV

Printed: 3/25/2010 11:39:55 AM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61131

Sample ID: 9-210

APPL ID: AY12782

Sample Collection Date: 3/12/2010

QCG: \$86MFW-100315AM-141500

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-Trichloroethane	0.36 J	5.0	0.14	ug/L	3/15/2010	3/15/2010
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	5.0	0.10	ug/L	3/15/2010	3/15/2010
EPA 8260B	1,1,2-Trichloroethane	Not detected	5.0	0.20	ug/L	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethane	0.96 J	5.0	0.19	ug/L	3/15/2010	3/15/2010
EPA 8260B	1,1-Dichloroethene	Not detected	0.5	0.30	ug/L	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloroethane	Not detected	0.5	0.14	ug/L	3/15/2010	3/15/2010
EPA 8260B	1,2-Dichloropropane	Not detected	5.0	0.17	ug/L	3/15/2010	3/15/2010
EPA 8260B	2-Butanone	Not detected	5.0	0.60	ug/L	3/15/2010	3/15/2010
EPA 8260B	2-Hexanone	Not detected	10	0.9	ug/L	3/15/2010	3/15/2010
EPA 8260B	4-Methyl-2-pentanone	Not detected	5.0	1.90	ug/L	3/15/2010	3/15/2010
EPA 8260B	Acetone	Not detected	50	0.9	ug/L	3/15/2010	3/15/2010
EPA 8260B	Benzene	Not detected	0.5	0.16	ug/L	3/15/2010	3/15/2010
EPA 8260B	Bromodichloromethane	Not detected	5.0	0.14	ug/L	3/15/2010	3/15/2010
EPA 8260B	Bromoform	Not detected	5.0	0.14	ug/L	3/15/2010	3/15/2010
EPA 8260B	Bromomethane	Not detected	5.0	0.24	ug/L	3/15/2010	3/15/2010
EPA 8260B	Carbon tetrachloride	Not detected	5.0	0.10	ug/L	3/15/2010	3/15/2010
EPA 8260B	Chlorobenzene	Not detected	5.0	0.21	ug/L	3/15/2010	3/15/2010
EPA 8260B	Chloroethane	Not detected	5.0	0.21	ug/L	3/15/2010	3/15/2010
EPA 8260B	Chloroform	Not detected	5.0	0.07	ug/L	3/15/2010	3/15/2010
EPA 8260B	Chloromethane	Not detected	5.0	0.31	ug/L	3/15/2010	3/15/2010
EPA 8260B	cis-1,2-Dichloroethene	0.92 J	5.0	0.16	ug/L	3/15/2010	3/15/2010
EPA 8260B	cis-1,3-Dichloropropene	Not detected	5.0	0.15	ug/L	3/15/2010	3/15/2010
EPA 8260B	Dibromochloromethane	Not detected	5.0	0.19	ug/L	3/15/2010	3/15/2010
EPA 8260B	Ethylbenzene	Not detected	0.5	0.23	ug/L	3/15/2010	3/15/2010
EPA 8260B	Methyl tert-Butyl Ether	Not detected	5.0	0.19	ug/L	3/15/2010	3/15/2010
EPA 8260B	Methylene chloride	Not detected	50	0.3	ug/L	3/15/2010	3/15/2010
EPA 8260B	Styrene	Not detected	5.0	0.25	ug/L	3/15/2010	3/15/2010
EPA 8260B	Tetrachloroethene	Not detected	5.0	0.15	ug/L	3/15/2010	3/15/2010
EPA 8260B	Toluene	Not detected	0.5	0.17	ug/L	3/15/2010	3/15/2010
EPA 8260B	trans-1,2-Dichloroethene	Not detected	5.0	0.19	ug/L	3/15/2010	3/15/2010
EPA 8260B	trans-1,3-Dichloropropene	Not detected	5.0	0.18	ug/L	3/15/2010	3/15/2010
EPA 8260B	Trichloroethene	0.71 J	5.0	0.16	ug/L	3/15/2010	3/15/2010
EPA 8260B	Vinyl chloride	Not detected	0.5	0.23	ug/L	3/15/2010	3/15/2010
EPA 8260B	Xylenes	Not detected	1.5	0.19	ug/L	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	104	70-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	108	75-120		%	3/15/2010	3/15/2010
EPA 8260B	Surrogate: Toluene-D8 (S)	92.8	85-120		%	3/15/2010	3/15/2010

J = Estimated value.

Quant Method: M86MFW.M
Run #: 0315M08
Instrument: Max
Sequence: M100305
Dilution Factor: 1
Initials: GM

Printed: 3/25/2010 11:39:55 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-209

Sample Collection Date: 03/12/10

ARF: 61131

APPL ID: AY12781

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.2 Percent Moisture.)								
6010B/3050B	Cadmium (Cd)	0.17 J	0.6	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Chromium (Cr)	45.7	0.6	0.04	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Lead (Pb)	4.6	0.6	0.11	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Nickel (Ni)	50.7	0.6	0.09	mg/kg	1	03/16/10	03/16/10
6010B/3050B	Zinc (Zn)	36.8	6.1	1.40	mg/kg	1	03/16/10	03/16/10

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs

Metals Analysis

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61131

Sample ID: 9-210

APPL ID: AY12782

Sample Collection Date: 03/12/10

Method	Analyte	Result	PQL	MDL	Units	DF	Prep Date	Analysis Date
6020	Cadmium (Cd) (Dissolved)	0.063 J	0.2	0.02	ug/L	1	03/15/10	03/18/10
6020	Chromium (Cr) (Dissolved)	0.61	0.5	0.04	ug/L	1	03/15/10	03/18/10
6020	Lead (Pb) (Dissolved)	0.15 J	0.2	0.11	ug/L	1	03/15/10	03/18/10
6020	Nickel (Ni) (Dissolved)	6.7	0.5	0.16	ug/L	1	03/15/10	03/18/10
6020	Zinc (Zn) (Dissolved)	27.4	20.0	2.30	ug/L	1	03/15/10	03/18/10

J = Estimated value.

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PL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 30883

pg 1 of 2

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME	Project Information Section Do not submit to Laboratory								
PROJECT LOCATION		PROJECT NO.		TPH-extractable																			
SAMPLER NAME		AIRBILL NUMBER																				LABORATORY ID (FOR LABORATORY)	
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																				COMMENTS	
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER												LEVEL	T Y P E	T A T						
			3	4												START	END						
9-151	3/15/10	0825	3		X	S	10	X											ms/msd	ZR-SBHP-8	1	2	Reg.
9-152	3/15/10	0841	1	X		S	10	X												ZR-SBHP-8	10	11	Reg.
9-153	3/15/10	0905	6	X		W	10	X											ms/msd	ZR-SBHP-8	2	12	Reg.
9-157	3/15/10	0930	1		X	S	10	X												ZR-SBHP-10	1	2	Reg.
9-158	3/15/10	0940	1	X		S	10	X												ZR-SBHP-10	6	7	Reg.
9-159	3/15/10	1000	2	X		W	10	X												ZR-SBHP-10	2	12	Reg.
9-148	3/15/10	1036	1		X	S	10	X												ZR-SBHP-7	1	2	Reg.
9-149	3/15/10	1059	1	X		S	10	X												ZR-SBHP-7	9.5	10.5	Reg.
9-150	3/15/10	1120	2	X		W	10	X												ZR-SBHP-7	2	12	Reg.
9-219	3/15/10	1130	2	X		W	10	X												ZR-SBHP-7	2	12	FD
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT: Step-out Boings										
COMPANY	TIME	COMPANY																					
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	COMPOSITE DESCRIPTION																				
COMPANY	TIME	COMPANY																					
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																				
COMPANY	TIME	COMPANY	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																				
			COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																				



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30878

CHAIN-OF-CUSTODY RECORD

pg 2 of 2

PROJECT NAME		PURCHASE ORDER NO.			ANALYSES REQUIRED										LABORATORY NAME							
PROJECT LOCATION		PROJECT NO.			TPTL-extractable	PAHs - 8270C																
SAMPLER NAME		AIRBILL NUMBER																		LABORATORY ID (FOR LABORATORY)		
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																		COMMENTS		
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL																T	P	T
				3 4	E						START	END										
Moffett Petro Sites	Moffett Field, CA	Duane Harrison	Diane Suzuki	106-3570. 009.E	Courier	61149	Project Information Section Do not submit to Laboratory															
9-154	3/15/10	1245	1	X	S	10	X											ZR-SBHP-9	1	2	Reg.	
9-155	3/15/10	1300	1	X	S	10	X											ZR-SBHP-9	6	7	Reg.	
9-156	3/15/10	1320	2	X	W	10	X										1141	ZR-SBHP-9	2	12	Reg.	
9-225	3/15/10	1330	1	X	S	10	X	X										ZR-SBHP-13	1	2	Reg.	
9-226	3/15/10	1342	1	X	S	10	X	X										ZR-SBHP-13	9	10	Reg.	
9-227	3/15/10	1405	4	X	W	10	X	X										ZR-SBHP-13	2	12	Reg.	
9-228	3/15/10	1415	1	X	S	10	X	X										ZR-SBHP-14	1	2	Reg.	
9-229	3/15/10	1425	1	X	S	10	X	X										ZR-SBHP-14	6	7	Reg.	
9-230	3/15/10	1450	4	X	W	10	X	X										ZR-SBHP-14	2	12	Reg.	
9-EB24	3/15/10	1530	2	X	W	10	X	X										Equip. Blank			EB	
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS															SAMPLING COMMENT: Step out Borings			
COMPANY	TIME	COMPANY																				
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																		
COMPANY	TIME	COMPANY																				
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																		
COMPANY	TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																		

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-151

APPL ID: AY12852

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	12 ++	1.3	0.77	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	19	13.0	4.50	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	115	47-140		%	03/18/10	03/27/10

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325120
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-152

APPL ID: AY12853

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	15 ++	1.3	0.76	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	9.5 J	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	9.5 J	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	13.0	4.40	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	98.2	47-140		%	03/18/10	03/27/10

J = Estimated value.
++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325121
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-153
Sample Collection Date: 03/15/10

APPL ID: AY12854

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	6.8 ++	0.25	0.200	mg/L	03/18/10	03/21/10
EPA 8015B-	JP5	7.4	2.5	0.55	mg/L	03/18/10	03/21/10
EPA 8015B-	Kerosene	7.4	2.5	0.55	mg/L	03/18/10	03/21/10
EPA 8015B-	Motor Oil	Not detected	2.5	0.55	mg/L	03/18/10	03/21/10
EPA 8015B-	Surrogate: Octacosane (S)	72.5	47-140		%	03/18/10	03/21/10

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 317179
Instrument: Apollo
Sequence: 100317
Dilution Factor: 5
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149
APPL ID: AY12855
QCG: \$TPMFS-100318A-141932

Sample ID: 9-157
Sample Collection Date: 03/15/10

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.3 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	15 ++	1.2	0.73	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	5.5 J	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	5.5 J	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	20	12.0	4.30	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	113	47-140		%	03/18/10	03/27/10

J = Estimated value.
++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: DMK0302.M
Run #: 325122
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-158

APPL ID: AY12856

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.30	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	120	47-140		%	03/18/10	03/27/10

Quant Method: DMK0302.M
Run #: 325123
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
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APPL Inc.
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Attn: Diane Suzuki
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-159

APPL ID: AY12857

Sample Collection Date: 03/15/10

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	0.40 ++	0.05	0.040	mg/L	03/18/10	03/21/10
EPA 8015B-	JP5	0.25 J	0.5	0.11	mg/L	03/18/10	03/21/10
EPA 8015B-	Kerosene	0.25 J	0.5	0.11	mg/L	03/18/10	03/21/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/18/10	03/21/10
EPA 8015B-	Surrogate: Octacosane (S)	81.8	47-140		%	03/18/10	03/21/10

J = Estimated value.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 317180
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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ARF: 61149

Sample ID: 9-148

APPL ID: AY12858

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	23 ++	1.3	0.75	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	13.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	13.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	60	13.0	4.40	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	110	47-140		%	03/18/10	03/27/10

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325128
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Sample ID: 9-149

Sample Collection Date: 03/15/10

ARF: 61149

APPL ID: AY12859

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	72 ++	1.2	0.74	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	85	12.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	85	12.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.30	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	92.8	47-140		%	03/18/10	03/27/10

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325129
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

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ARF: 61149

Sample ID: 9-150

APPL ID: AY12860

Sample Collection Date: 03/15/10

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	47 ++	1.00	0.800	mg/L	03/18/10	03/21/10
EPA 8015B-	JP5	58	10.0	2.20	mg/L	03/18/10	03/21/10
EPA 8015B-	Kerosene	58	10.0	2.20	mg/L	03/18/10	03/21/10
EPA 8015B-	Motor Oil	Not detected	10.0	2.20	mg/L	03/18/10	03/21/10
EPA 8015B-	Surrogate: Octacosane (S)	DO	47-140		%	03/18/10	03/21/10

DO = Diluted Out.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 317181
Instrument: Apollo
Sequence: 100317
Dilution Factor: 20
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

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Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-219

Sample Collection Date: 03/15/10

ARF: 61149

APPL ID: AY12861

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	16 ++	0.25	0.200	mg/L	03/18/10	03/21/10
EPA 8015B-	JP5	17	2.5	0.55	mg/L	03/18/10	03/21/10
EPA 8015B-	Kerosene	17	2.5	0.55	mg/L	03/18/10	03/21/10
EPA 8015B-	Motor Oil	Not detected	2.5	0.55	mg/L	03/18/10	03/21/10
EPA 8015B-	Surrogate: Octacosane (S)	65.4	47-140		%	03/18/10	03/21/10

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 317182
Instrument: Apollo
Sequence: 100317
Dilution Factor: 5
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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ARF: 61149

Sample ID: 9-154

APPL ID: AY12862

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.8 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	13 ++	1.3	0.76	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	23	13.0	4.40	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	103	47-140		%	03/18/10	03/27/10

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325130
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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ARF: 61149

Sample ID: 9-155

APPL ID: AY12863

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.72	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	12.0	3.90	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	91.5	47-140		%	03/18/10	03/27/10

Quant Method: DMK0302.M
Run #: 325131
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

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Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-156

APPL ID: AY12864

Sample Collection Date: 03/15/10

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/18/10	03/20/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Surrogate: Octacosane (S)	86.8	47-140		%	03/18/10	03/20/10

Quant Method: DMK0302.M
Run #: 317113
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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ARF: 61149

Sample ID: 9-225

APPL ID: AY12865

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.6 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	65 ++	6.3	3.80	mg/Kg	03/18/10	03/29/10
EPA 8015B-	JP5	Not detected	63.0	21.00	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Kerosene	Not detected	63.0	21.00	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Motor Oil	190	63.0	22.00	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Surrogate: Octacosane (S)	114	47-140		%	03/18/10	03/29/10

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 329004
Instrument: Apollo
Sequence: 100329
Dilution Factor: 5
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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ARF: 61149
APPL ID: AY12866
QCG: \$TPMFS-100318A-141932

Sample ID: 9-226

Sample Collection Date: 03/15/10

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.7 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	33 ++	1.2	0.72	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	33	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	33	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	93.3	47-140		%	03/18/10	03/27/10

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325133
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

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Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-227

APPL ID: AY12867

Sample Collection Date: 03/15/10

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/18/10	03/20/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Surrogate: Octacosane (S)	84.0	47-140		%	03/18/10	03/20/10

Quant Method: DMK0302.M
Run #: 317114
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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ARF: 61149

Sample ID: 9-228

APPL ID: AY12868

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.9 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.75	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.40	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	110	47-140		%	03/18/10	03/27/10

Quant Method: DMK0302.M
Run #: 325134
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Attn: Diane Suzuki
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ARF: 61149

Sample ID: 9-229

APPL ID: AY12869

Sample Collection Date: 03/15/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.0 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.30	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	101	47-140		%	03/18/10	03/27/10

Quant Method: DMK0302.M
Run #: 325135
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:58 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

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Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-230

Sample Collection Date: 03/15/10

ARF: 61149

APPL ID: AY12870

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/18/10	03/20/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Surrogate: Octacosane (S)	87.9	47-140		%	03/18/10	03/20/10

Quant Method: DMK0302.M
Run #: 317115
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 03/31/10 11:52:59 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

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Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-225

APPL ID: AY12865

Sample Collection Date: 03/15/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.6 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.3	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)anthracene	2.6 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	2.4 J	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	5.9 J	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	4.2 J	6.3	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	4.6 J	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	2.4 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	3.3 J	6.3	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	2.5 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	1.1 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	2.6 J	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	3.1 J	6.3	1.60	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	78.1	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	88.9	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	81.1	30-125		%	03/18/10	03/25/10

J = Estimated value.

Quant Method: SIM.M
Run #: 0325L016
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:48:26 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

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908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-226

APPL ID: AY12866

Sample Collection Date: 03/15/10

QCG: \$87SLL-100326A-141933

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.7 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.0	1.20	ug/kg	03/26/10	03/29/10
8270CLL	Acenaphthylene	Not detected	6.0	1.10	ug/kg	03/26/10	03/29/10
8270CLL	Anthracene	Not detected	6.0	1.00	ug/kg	03/26/10	03/29/10
8270CLL	Benz(a)anthracene	Not detected	6.0	1.10	ug/kg	03/26/10	03/29/10
8270CLL	Benzo(a)pyrene	Not detected	6.0	1.10	ug/kg	03/26/10	03/29/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.0	1.30	ug/kg	03/26/10	03/29/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.0	1.60	ug/kg	03/26/10	03/29/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.0	1.20	ug/kg	03/26/10	03/29/10
8270CLL	Chrysene	Not detected	6.0	1.00	ug/kg	03/26/10	03/29/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.0	1.10	ug/kg	03/26/10	03/29/10
8270CLL	Fluoranthene	Not detected	6.0	1.40	ug/kg	03/26/10	03/29/10
8270CLL	Fluorene	Not detected	6.0	1.20	ug/kg	03/26/10	03/29/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.0	1.10	ug/kg	03/26/10	03/29/10
8270CLL	Naphthalene	Not detected	6.0	1.10	ug/kg	03/26/10	03/29/10
8270CLL	Phenanthrene	Not detected	6.0	1.30	ug/kg	03/26/10	03/29/10
8270CLL	Pyrene	Not detected	6.0	1.50	ug/kg	03/26/10	03/29/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	57.5	45-105		%	03/26/10	03/29/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	58.0	35-100		%	03/26/10	03/29/10
8270CLL	Surrogate: Terphenyl-d14 (S)	75.0	30-125		%	03/26/10	03/29/10

Quant Method: SIM.M
Run #: 0329L013
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:48:26 PM
APPL-F1-SC-MCPRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-227

APPL ID: AY12867

Sample Collection Date: 03/15/10

QCG: \$87WLL-100318A-141919

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Benzo(a)anthracene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorbiphenyl (S)	70.9	50-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	80.1	40-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	75.8	50-135		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L009
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-228

APPL ID: AY12868

Sample Collection Date: 03/15/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.9 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.2	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)anthracene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.2	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.2	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.2	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	6.2	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	6.2	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	6.2	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	67.4	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	89.2	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	83.0	30-125		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L018
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:48:26 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61149

Sample ID: 9-229

APPL ID: AY12869

Sample Collection Date: 03/15/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.0 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.2	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.2	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.2	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.2	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	6.2	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	6.2	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	6.2	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	6.2	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	68.1	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	69.4	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	74.6	30-125		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L019
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-230

Sample Collection Date: 03/15/10

ARF: 61149

APPL ID: AY12870

QCG: \$87WLL-100318A-141919

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	84.8	50-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	82.0	40-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	89.1	50-135		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L010
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:48:26 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30880

CHAIN-OF-CUSTODY RECORD

pg 1 of 2

PROJECT NAME		PURCHASE ORDER NO.			ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory									
PROJECT LOCATION		PROJECT NO.			TPH-extractable	PARTS	8270 C																			
SAMPLER NAME		AIRBILL NUMBER																					LABORATORY ID (FOR LABORATORY)			
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																					COMMENTS		LOCATION	
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL													T Y P E	T A T	START				END	QC		
9-231	3/16/10	0752	1	X	S	10	X	X											ZR-SBHP-15	1	2	Reg.				
9-232	3/16/10	0824	1	X	S	10	X	X											ZR-SBHP-15	6	7	Reg.				
9-233	3/16/10	0829	1	X	S	10	X	X											ZR-SBHP-15	9.5	10.5	Reg.				
9-234	3/16/10	0852	4	X	W	10	X	X											ZR-SBHP-15	2	12	Reg.				
9-160	3/16/10	0905	1	X	S	10	X	X											ZR-SBHP-11	1	2	Reg.				
9-161	3/16/10	0910	1	X	S	10	X	X											ZR-SBHP-11	6	7	Reg.				
9-162	3/16/10	0940	4	X	W	10	X	X											ZR-SBHP-11	2	12	Reg.				
9-163	3/16/10	0950	1	X	S	10	X	X											ZR-SBHP-12	1	2	Reg.				
9-164	3/16/10	1001	1	X	S	10	X	Y											ZR-SBHP-12	5.5	6.5	Reg.				
9-165	3/16/10	1025	4	X	W	10	X	X											ZR-SBHP-12	2	12	Reg.				
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS																							
COMPANY	TIME	COMPANY	COMPOSITE DESCRIPTION																							
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)																								
COMPANY	TIME	COMPANY																								
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)																		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)						
COMPANY	TIME	COMPANY	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																							
			SAMPLING COMMENT: Step-out Borings																							

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-231

APPL ID: AY12901

Sample Collection Date: 03/16/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	20 ++	1.3	0.76	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	13.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	54	13.0	4.40	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	109	47-140		%	03/18/10	03/27/10

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325136
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-232

APPL ID: AY12902

Sample Collection Date: 03/16/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.75	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	13.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	13.0	4.10	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	13.0	4.40	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	87.7	47-140		%	03/18/10	03/27/10

Quant Method: DMK0302.M
Run #: 325137
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-233

Sample Collection Date: 03/16/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61162

APPL ID: AY12903

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	71 ++	1.2	0.73	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	86	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	86	12.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.20	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	111	47-140		%	03/18/10	03/27/10

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 325142
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-234

APPL ID: AY12904

Sample Collection Date: 03/16/10

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/18/10	03/20/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Surrogate: Octacosane (S)	87.8	47-140		%	03/18/10	03/20/10

Quant Method: DMK0302.M
Run #: 317121
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-160

APPL ID: AY12905

Sample Collection Date: 03/16/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	26 ++	1.3	0.75	mg/Kg	03/18/10	03/29/10
EPA 8015B-	JP5	Not detected	13.0	4.10	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Kerosene	Not detected	13.0	4.10	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Motor Oil	65	13.0	4.40	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Surrogate: Octacosane (S)	104	47-140		%	03/18/10	03/29/10

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 329005
Instrument: Apollo
Sequence: 100329
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-161

Sample Collection Date: 03/16/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 61162

APPL ID: AY12906

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 12.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.1	0.68	mg/Kg	03/18/10	03/27/10
EPA 8015B-	JP5	Not detected	11.0	3.80	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Kerosene	Not detected	11.0	3.80	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Motor Oil	Not detected	11.0	4.00	mg/Kg	03/18/10	03/27/10
EPA 8015B-	Surrogate: Octacosane (S)	93.4	47-140		%	03/18/10	03/27/10

Quant Method: DMK0302.M
Run #: 325144
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-162

APPL ID: AY12907

Sample Collection Date: 03/16/10

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/18/10	03/20/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Surrogate: Octacosane (S)	94.4	47-140		%	03/18/10	03/20/10

Quant Method: DMK0302.M
Run #: 317122
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-163

APPL ID: AY12908

Sample Collection Date: 03/16/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.1 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	14 ++	1.3	0.75	mg/Kg	03/18/10	03/29/10
EPA 8015B-	JP5	Not detected	13.0	4.10	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Kerosene	Not detected	13.0	4.10	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Motor Oil	24	13.0	4.40	mg/Kg	03/18/10	03/29/10
EPA 8015B-	Surrogate: Octacosane (S)	98.4	47-140		%	03/18/10	03/29/10

++(T3M) The analyst has noted that the chromatogram of this sample is mainly higher boiling hydrocarbons.

Quant Method: DMK0302.M
Run #: 329006
Instrument: Apollo
Sequence: 100329
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-164

APPL ID: AY12909

Sample Collection Date: 03/16/10

QCG: \$TPMFS-100318A-141932

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.75	mg/Kg	03/18/10	03/28/10
EPA 8015B-	JP5	Not detected	12.0	4.10	mg/Kg	03/18/10	03/28/10
EPA 8015B-	Kerosene	Not detected	12.0	4.10	mg/Kg	03/18/10	03/28/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.40	mg/Kg	03/18/10	03/28/10
EPA 8015B-	Surrogate: Octacosane (S)	104	47-140		%	03/18/10	03/28/10

Quant Method: DMK0302.M
Run #: 325146
Instrument: Apollo
Sequence: 100325
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPhE Water

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-165

Sample Collection Date: 03/16/10

ARF: 61162

APPL ID: AY12910

QCG: \$TPMFW-100318A-141663

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	Diesel Fuel	Not detected	0.05	0.040	mg/L	03/18/10	03/20/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Kerosene	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Motor Oil	Not detected	0.5	0.11	mg/L	03/18/10	03/20/10
EPA 8015B-	Surrogate: Octacosane (S)	89.2	47-140		%	03/18/10	03/20/10

Quant Method: DMK0302.M
Run #: 317123
Instrument: Apollo
Sequence: 100317
Dilution Factor: 1
Initials: STC

Printed: 04/01/10 11:23:30 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-231

APPL ID: AY12901

Sample Collection Date: 03/16/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.2 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	1.2 J	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	1.2 J	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	3.2 J	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	2.2 J	6.3	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	2.4 J	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	1.6 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	1.7 J	6.3	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	1.6 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	1.4 J	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	1.6 J	6.3	1.60	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	78.4	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	92.9	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	87.6	30-125		%	03/18/10	03/25/10

J = Estimated value.

Quant Method: SIM.M
Run #: 0325L020
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-232

APPL ID: AY12902

Sample Collection Date: 03/16/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.4 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.3	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.3	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	6.3	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	6.3	1.60	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	61.7	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	68.7	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	75.2	30-125		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L021
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-233

APPL ID: AY12903

Sample Collection Date: 03/16/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.1	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.1	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.1	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	6.1	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	6.1	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.1	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.1	1.60	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.1	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	6.1	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.1	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	6.1	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.1	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.1	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	6.1	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	6.1	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	6.1	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	61.7	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	50.1	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	82.8	30-125		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L022
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-234

APPL ID: AY12904

Sample Collection Date: 03/16/10

QCG: \$87WLL-100318A-141919

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	91.0	50-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	87.6	40-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	90.8	50-135		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L012
Instrument: LInus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-160

APPL ID: AY12905

Sample Collection Date: 03/16/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.4 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.3	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.3	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	6.3	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	1.1 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	6.3	1.60	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	74.6	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	90.2	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	77.7	30-125		%	03/18/10	03/25/10

J = Estimated value.

Quant Method: SIM.M
Run #: 0325L023
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-161

APPL ID: AY12906

Sample Collection Date: 03/16/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 12.2 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	5.7	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	5.7	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	5.7	0.95	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	5.7	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	5.7	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	5.7	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	5.7	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	5.7	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	5.7	0.97	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	5.7	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	5.7	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	5.7	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	5.7	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	5.7	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	5.7	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	5.7	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	65.0	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	70.0	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	78.1	30-125		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L024
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-162

APPL ID: AY12907

Sample Collection Date: 03/16/10

QCG: \$87WLL-100318A-141919

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	128 #	50-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	104	40-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	126	50-135		%	03/18/10	03/25/10

= Recovery (or RPD) is outside QC limits.

Quant Method: SIM.M
Run #: 0325L013
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM
APPL-F1-SC-MCPRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-163

APPL ID: AY12908

Sample Collection Date: 03/16/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 20.1 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.3	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.3	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.3	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	6.3	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.3	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	1.1 J	6.3	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	6.3	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	6.3	1.60	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	73.4	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	90.4	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	79.7	30-125		%	03/18/10	03/25/10

J = Estimated value.

Quant Method: SIM.M
Run #: 0325L025
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-164

APPL ID: AY12909

Sample Collection Date: 03/16/10

QCG: \$87SLL-100318A-141922

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
8270CLL	Acenaphthene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	6.2	1.00	ug/kg	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	6.2	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	6.2	1.70	ug/kg	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	6.2	1.30	ug/kg	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	6.2	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	6.2	1.20	ug/kg	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	6.2	1.10	ug/kg	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	6.2	1.40	ug/kg	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	6.2	1.50	ug/kg	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	61.2	45-105		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	70.3	35-100		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	78.7	30-125		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L026
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
1940 E. Deere Avenue, Suite 200
Santa Ana, CA 92705

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Diane Suzuki

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 61162

Sample ID: 9-165

APPL ID: AY12910

Sample Collection Date: 03/16/10

QCG: \$87WLL-100318A-141919

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	Acenaphthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Acenaphthylene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Benz(a)anthracene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(a)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Benzo(b)fluoranthene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Benzo(g,h,i)perylene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Benzo(k)fluoranthene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Chrysene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Dibenz(a,h)anthracene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Fluoranthene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Fluorene	Not detected	0.2	0.06	ug/L	03/18/10	03/25/10
8270CLL	Indeno(1,2,3-cd)pyrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Naphthalene	Not detected	0.2	0.05	ug/L	03/18/10	03/25/10
8270CLL	Phenanthrene	Not detected	0.2	0.07	ug/L	03/18/10	03/25/10
8270CLL	Pyrene	Not detected	0.2	0.08	ug/L	03/18/10	03/25/10
8270CLL	Surrogate: 2-Fluorobiphenyl (S)	81.2	50-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Nitrobenzene-D5 (S)	51.8	40-110		%	03/18/10	03/25/10
8270CLL	Surrogate: Terphenyl-d14 (S)	85.9	50-135		%	03/18/10	03/25/10

Quant Method: SIM.M
Run #: 0325L014
Instrument: Linus
Sequence: L100304
Dilution Factor: 1
Initials: LF

Printed: 03/29/10 2:54:25 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRATECH
1250 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 30940

ENTERED

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED								LABORATORY NAME		Project Information Section Do not submit to Laboratory		
PROJECT LOCATION		PROJECT NO.		EPA 8150/8160/8170/8180/8190/8210/8220/8230/8240/8260/8270/8280/8290/8310/8330/8340/8350/8360/8370/8380/8390/8410/8430/8440/8450/8460/8470/8480/8490/8510/8530/8540/8550/8560/8570/8580/8590/8610/8630/8640/8650/8660/8670/8680/8690/8710/8730/8740/8750/8760/8770/8780/8790/8810/8830/8840/8850/8860/8870/8880/8890/8910/8930/8940/8950/8960/8970/8980/8990/9010/9030/9040/9050/9060/9070/9080/9090/9110/9130/9140/9150/9160/9170/9180/9190/9210/9230/9240/9250/9260/9270/9280/9290/9310/9330/9340/9350/9360/9370/9380/9390/9410/9430/9440/9450/9460/9470/9480/9490/9510/9530/9540/9550/9560/9570/9580/9590/9610/9630/9640/9650/9660/9670/9680/9690/9710/9730/9740/9750/9760/9770/9780/9790/9810/9830/9840/9850/9860/9870/9880/9890/9910/9930/9940/9950/9960/9970/9980/9990								LABORATORY ID (FOR LABORATORY)				
SAMPLER NAME		AIRBILL NUMBER										COMMENTS				
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL	T	A	T					START	END			
9-500	11/18/10	1511	1	X												
9-501	11/19/10	1530	1	X	S											
9-502	11/18/10	1600	1	Y	S											
9-503	11/18/10	1610	1	Y	S											
9-504	11/18/10	1641	1	X	S											
9-505	11/18/10	1650	1	X	S											
9-506	11/18/10	1655	1	Y	S											
11/19/10																
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS								SAMPLING COMMENT: ZOOK ROAD EXCAVATION SAMPLE # 4			
COMPANY		TIME	COMPANY		* DIESEL / MOTOR OIL / JP5 / KEROSENE											
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION											
COMPANY		TIME	COMPANY		NEED RESULTS BY MONDAY TUESDAY 8:45 AM											
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)											
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN											

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 63225

Sample ID: 9-500

APPL ID AY27173

Sample Collection Date: 11/18/10

QCG: #TPMFS-101122A-149364

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 22.3 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.77	mg/Kg	11/22/10	11/22/10
EPA 8015B-	JP5	120	13.0	4.20	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Kerosene	120	13.0	4.20	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Motor Oil	Not detected	13.0	4.50	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Surrogate: Octacosane (S)	76.6	47-140		%	11/22/10	11/22/10

These results are preliminary and represent information available on 11/23/10 at 8:24am

Quant Method: KEROSENE.M
Run #: 1122014
Instrument: Apollo
Sequence: 101122
Dilution Factor: 1
Initials: LA

Printed: 11/23/10 8:24:03 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 63225

Sample ID: 9-501

APPL ID AY27174

Sample Collection Date: 11/18/10

QCG: #TPMFS-101122A-149364

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 23.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.78	mg/Kg	11/22/10	11/22/10
EPA 8015B-	JP5	21	13.0	4.30	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Kerosene	21	13.0	4.30	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Motor Oil	Not detected	13.0	4.60	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Surrogate: Octacosane (S)	79.3	47-140		%	11/22/10	11/22/10

These results are preliminary and represent information available on 11/23/10 at 8:24am

Quant Method: KEROSENE.M
Run #: 1122017
Instrument: Apollo
Sequence: 101122
Dilution Factor: 1
Initials: LA

Printed: 11/23/10 8:24:03 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 63225

Sample ID: 9-502

APPL ID AY27175

Sample Collection Date: 11/18/10

QCG: #TPMFS-101122A-149364

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 26.8 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.4	0.82	mg/Kg	11/22/10	11/22/10
EPA 8015B-	JP5	Not detected	14.0	4.50	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Kerosene	Not detected	14.0	4.50	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Motor Oil	Not detected	14.0	4.80	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Surrogate: Octacosane (S)	71.0	47-140		%	11/22/10	11/22/10

These results are preliminary and represent information available on 11/23/10 at 8:24am

Quant Method: KEROSENE.M
Run #: 1122018
Instrument: Apollo
Sequence: 101122
Dilution Factor: 1
Initials: LA

Printed: 11/23/10 8:24:03 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 63225

Sample ID: 9-503

APPL ID AY27176

Sample Collection Date: 11/18/10

QCG: #TPMFS-101122A-149364

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 25.4 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.80	mg/Kg	11/22/10	11/22/10
EPA 8015B-	JP5	16	13.0	4.40	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Kerosene	16	13.0	4.40	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Motor Oil	Not detected	13.0	4.70	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Surrogate: Octacosane (S)	74.2	47-140		%	11/22/10	11/22/10

These results are preliminary and represent information available on 11/23/10 at 8:24am

Quant Method: KEROSENE.M
Run #: 1122019
Instrument: Apollo
Sequence: 101122
Dilution Factor: 1
Initials: LA

Printed: 11/23/10 8:24:03 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 63225

Sample ID: 9-504

APPL ID AY27177

Sample Collection Date: 11/18/10

QCG: #TPMFS-101122A-149364

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.0 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.2	0.74	mg/Kg	11/22/10	11/22/10
EPA 8015B-	JP5	73	12.0	4.10	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Kerosene	73	12.0	4.10	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Motor Oil	Not detected	12.0	4.30	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Surrogate: Octacosane (S)	76.0	47-140		%	11/22/10	11/22/10

These results are preliminary and represent information available on 11/23/10 at 8:24am

Quant Method: KEROSENE.M
Run #: 1122020
Instrument: Apollo
Sequence: 101122
Dilution Factor: 1
Initials: LA

Printed: 11/23/10 8:24:04 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 63225

Sample ID: 9-505

APPL ID AY27178

Sample Collection Date: 11/18/10

QCG: #TPMFS-101122A-149364

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.2 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.76	mg/Kg	11/22/10	11/22/10
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Kerosene	Not detected	13.0	4.20	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Motor Oil	Not detected	13.0	4.40	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Surrogate: Octacosane (S)	72.4	47-140		%	11/22/10	11/22/10

These results are preliminary and represent information available on 11/23/10 at 8:24am

Quant Method: KEROSENE.M
Run #: 1122021
Instrument: Apollo
Sequence: 101122
Dilution Factor: 1
Initials: LA

Printed: 11/23/10 8:24:04 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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908 North Temperance Avenue
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Attn: Sabina Sudoko

Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 63225

Sample ID: 9-506

APPL ID AY27179

Sample Collection Date: 11/18/10

QCG: #TPMFS-101122A-149364

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 22.1 Percent Moisture.)							
EPA 8015B-	Diesel Fuel	Not detected	1.3	0.77	mg/Kg	11/22/10	11/22/10
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Kerosene	Not detected	13.0	4.20	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Motor Oil	Not detected	13.0	4.50	mg/Kg	11/22/10	11/22/10
EPA 8015B-	Surrogate: Octacosane (S)	71.7	47-140		%	11/22/10	11/22/10

These results are preliminary and represent information available on 11/23/10 at 8:24am

Quant Method: KEROSENE.M
Run #: 1122022
Instrument: Apollo
Sequence: 101122
Dilution Factor: 1
Initials: LA

Printed: 11/23/10 8:24:04 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30945

CHAIN-OF-CUSTODY RECORD

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED						LABORATORY NAME		Project Information Section Do not submit to Laboratory					
PROJECT LOCATION		PROJECT NO.		EPA 815 P EPA 8160 VOL EPA 8160 METALS EPA 8160 TYP-P EPA 8170 PAHS							LABORATORY ID (FOR LABORATORY)						
SAMPLER NAME		AIRBILL NUMBER									6334						
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER									COMMENTS				LOCATION		DEPTH
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER								LEVEL	T Y P E	T A T	START	END		
9-507	12/1/10	1052	1	X	S	10 DAY	X					WZR-6	85	9	N		
9-508	12/1/10	1215	1	X	S		X					WZR-5	65	7	N		
9-509	12/1/10		1	X	S							WZR-			N		
9-EE30	12/1/10	1515	2	X	W		X					EB			EB		
9-509	12/2/10	1130	1	X	S		X					WZR-8	75	8	N		
9-510	12/2/10	1300	1	X	S		X					NOTE WZR-7	5	5			
9-EB31	12/2/10	1400	1	X	W		X					INSAFE			EB		
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS						SAMPLING COMMENT: SOIL SAMPLES FOR SOIL ROAD WELL INSTALLATION								
COMPANY	TIME	COMPANY	TYP EXT = DIESEL TFS / LEAD/BENZENE / MOTOR OIL														
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	COMPOSITE DESCRIPTION														
COMPANY	TIME	COMPANY	FINE														
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)						006334-1N								
COMPANY	TIME	COMPANY	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN														

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009E Moffett Petroleum Sites

ARF: 63334

Sample ID: 9-507

APPL ID: AY28000

Sample Collection Date: 12/01/10

QCG: #TPMFS-101213A-150499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 22.6 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	16 ++	1.3	0.78	mg/Kg	12/13/10	12/24/10
EPA 8015B-	JP5	10 J	13.0	4.30	mg/Kg	12/13/10	12/24/10
EPA 8015B-	KEROSENE	10 J	13.0	4.30	mg/Kg	12/13/10	12/24/10
EPA 8015B-	MOTOR OIL	Not detected	13.0	4.50	mg/Kg	12/13/10	12/24/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	83.0	47-140		%	12/13/10	12/24/10

J = Estimated value.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK1223.M
Run #: 1223045
Instrument: Apollo
Sequence: 101223
Dilution Factor: 1
Initials: LA

Printed: 12/27/10 5:46:01 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009E Moffett Petroleum Sites

ARF: 63334

Sample ID: 9-508

APPL ID: AY28001

Sample Collection Date: 12/01/10

QCG: #TPMFS-101213A-150499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.1 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.3	0.76	mg/Kg	12/13/10	12/24/10
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	12/13/10	12/24/10
EPA 8015B-	KEROSENE	Not detected	13.0	4.20	mg/Kg	12/13/10	12/24/10
EPA 8015B-	MOTOR OIL	Not detected	13.0	4.40	mg/Kg	12/13/10	12/24/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	76.1	47-140		%	12/13/10	12/24/10

Quant Method: DMK1223.M
Run #: 1223046
Instrument: Apollo
Sequence: 101223
Dilution Factor: 1
Initials: LA

Printed: 12/27/10 5:46:01 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009E Moffett Petroleum Sites

ARF: 63334

Sample ID: 9-509

APPL ID: AY28003

Sample Collection Date: 12/02/10

QCG: #TPMFS-101213A-150499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.1 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.3	0.76	mg/Kg	12/13/10	12/24/10
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	12/13/10	12/24/10
EPA 8015B-	KEROSENE	Not detected	13.0	4.20	mg/Kg	12/13/10	12/24/10
EPA 8015B-	MOTOR OIL	Not detected	13.0	4.40	mg/Kg	12/13/10	12/24/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	80.2	47-140		%	12/13/10	12/24/10

Quant Method: DMK1223.M
Run #: 1223047
Instrument: Apollo
Sequence: 101223
Dilution Factor: 1
Initials: LA

Printed: 12/27/10 5:46:02 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009E Moffett Petroleum Sites

ARF: 63334

Sample ID: 9-510

APPL ID: AY28004

Sample Collection Date: 12/02/10

QCG: #TPMFS-101213A-150499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.5 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.73	mg/Kg	12/13/10	12/24/10
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	12/13/10	12/24/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	81.9	47-140		%	12/13/10	12/24/10

Quant Method: DMK1223.M
Run #: 1223048
Instrument: Apollo
Sequence: 101223
Dilution Factor: 1
Initials: LA

Printed: 12/27/10 5:46:02 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER **30946**



PROJECT NAME MOFFETT PETROLEUM SITE		PURCHASE ORDER NO. 1012813-3		ANALYSES REQUIRED						LABORATORY NAME APL LAB		Project Information Section Do not submit to Laboratory			
PROJECT LOCATION MOFFETT FIELD, CA		PROJECT NO. 3570.C09E		EPA 8260E VOC (BTL) EPA 8015 TPH-A EPA 8015 TPH-EXT EPA 8170 PAHs						LABORATORY ID (FOR LABORATORY) 63351					
SAMPLER NAME L. DUDUS		AIRBILL NUMBER NA-1								COMMENTS					LOCATION
PROJECT CONTACT J. DUDUS		PROJECT CONTACT PHONE NUMBER 949 809 5022		LEVEL		TYPE		START		END					
SAMPLE ID		DATE COLLECTED		TIME COLLECTED		NO. OF CONTAINER		LEVEL		TYPE		START		END	
3		4		3		4		T		A		T		T	
9-511		12/3/10		1030		21		X S		10 DAT		X X X		7 8	
9-512		12/3/10		1400		8		X S		10 DAT		X X X X		9 10	
9-532		12/3/10		1430		10		X W		10 DAT		X X X X		- -	
12/3/10															
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS						SAMPLING COMMENT: SAMPLING AT OST 58 WFLW INSTALLATION			
COMPANY		TIME		COMPANY		TPH-EXT = DIESEL, KEROSENE, JP5, MOTOR OIL									
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		COMPOSITE DESCRIPTION									
COMPANY		TIME		COMPANY		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)									
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN									
COMPANY		TIME		COMPANY		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN									

0063351-1N

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63351

Sample ID: 9-511

APPL ID: AY28150

Sample Collection Date: 12/03/10

QCG: #86MFS-101207AS-149939

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.6 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.2	1.00	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.2	1.50	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.2	0.60	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.2	1.40	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.2	0.98	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.2	0.90	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.2	0.77	ug/Kg	12/07/10	12/07/10
EPA 8260B	2-BUTANONE	Not detected	62	0.9	ug/Kg	12/07/10	12/07/10
EPA 8260B	2-HEXANONE	Not detected	62	0.3	ug/Kg	12/07/10	12/07/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	62	1.1	ug/Kg	12/07/10	12/07/10
EPA 8260B	ACETONE	120	62	3.5	ug/Kg	12/07/10	12/07/10
EPA 8260B	BENZENE	30	6.2	0.78	ug/Kg	12/07/10	12/07/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.2	0.86	ug/Kg	12/07/10	12/07/10
EPA 8260B	BROMOFORM	Not detected	6.2	1.00	ug/Kg	12/07/10	12/07/10
EPA 8260B	BROMOMETHANE	Not detected	12	2.0	ug/Kg	12/07/10	12/07/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.2	1.00	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROBENZENE	Not detected	6.2	0.61	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROETHANE	Not detected	6.2	1.90	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROFORM	Not detected	6.2	1.80	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	12/07/10	12/07/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.2	1.30	ug/Kg	12/07/10	12/07/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.2	0.58	ug/Kg	12/07/10	12/07/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.2	1.10	ug/Kg	12/07/10	12/07/10
EPA 8260B	ETHYLBENZENE	5.2 J	6.2	0.80	ug/Kg	12/07/10	12/07/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.2	1.10	ug/Kg	12/07/10	12/07/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	62	5.7	ug/Kg	12/07/10	12/07/10
EPA 8260B	STYRENE	Not detected	6.2	0.86	ug/Kg	12/07/10	12/07/10
EPA 8260B	TETRACHLOROETHENE	Not detected	6.2	0.67	ug/Kg	12/07/10	12/07/10
EPA 8260B	TOLUENE	21	6.2	0.81	ug/Kg	12/07/10	12/07/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.2	1.70	ug/Kg	12/07/10	12/07/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.2	0.53	ug/Kg	12/07/10	12/07/10
EPA 8260B	TRICHLOROETHENE	Not detected	6.2	0.88	ug/Kg	12/07/10	12/07/10
EPA 8260B	VINYL CHLORIDE	Not detected	6.2	2.10	ug/Kg	12/07/10	12/07/10
EPA 8260B	XYLENES	8.4	6.2	0.85	ug/Kg	12/07/10	12/07/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	135	70-140		%	12/07/10	12/07/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	387 #	85-120		%	12/07/10	12/07/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	113	85-115		%	12/07/10	12/07/10

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: S86DODS.M
Run #: 1207S18
Instrument: Sweetpea
Sequence: S101206
Dilution Factor: 1
Initials: GM

Printed: 12/20/10 12:45:21 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63351

Sample ID: 9-511

APPL ID: AY28150

Sample Collection Date: 12/03/10

QCG: #86MFS-101207AS-149939

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
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J = Estimated value.
= Recovery (or RPD) is outside QC limits.

Quant Method: S86DODS.M
Run #: 1207S18
Instrument: Sweetpea
Sequence: S101206
Dilution Factor: 1
Initials: GM

Printed: 12/20/10 12:45:21 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63351

Sample ID: 9-512

APPL ID: AY28151

Sample Collection Date: 12/03/10

QCG: #86MFS-101207AS-149939

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.98	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.96	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.87	ug/Kg	12/07/10	12/07/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.75	ug/Kg	12/07/10	12/07/10
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	12/07/10	12/07/10
EPA 8260B	2-HEXANONE	Not detected	60	0.2	ug/Kg	12/07/10	12/07/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	12/07/10	12/07/10
EPA 8260B	ACETONE	Not detected	60	3.4	ug/Kg	12/07/10	12/07/10
EPA 8260B	BENZENE	1.7 J	6.0	0.76	ug/Kg	12/07/10	12/07/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	12/07/10	12/07/10
EPA 8260B	BROMOFORM	Not detected	6.0	0.97	ug/Kg	12/07/10	12/07/10
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	12/07/10	12/07/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.97	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROBENZENE	Not detected	6.0	0.59	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	12/07/10	12/07/10
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	12/07/10	12/07/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	12/07/10	12/07/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.57	ug/Kg	12/07/10	12/07/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	12/07/10	12/07/10
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	12/07/10	12/07/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	12/07/10	12/07/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.6	ug/Kg	12/07/10	12/07/10
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	12/07/10	12/07/10
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	12/07/10	12/07/10
EPA 8260B	TOLUENE	1.3 J	6.0	0.79	ug/Kg	12/07/10	12/07/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	12/07/10	12/07/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	12/07/10	12/07/10
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.86	ug/Kg	12/07/10	12/07/10
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	12/07/10	12/07/10
EPA 8260B	XYLENES	Not detected	6.0	0.82	ug/Kg	12/07/10	12/07/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	107	70-140		%	12/07/10	12/07/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	111	85-120		%	12/07/10	12/07/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.8	85-115		%	12/07/10	12/07/10

J = Estimated value.

Quant Method: S86DODS.M
Run #: 1207S19
Instrument: Sweetpea
Sequence: S101206
Dilution Factor: 1
Initials: GM

Printed: 12/20/10 12:45:21 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-511

Sample Collection Date: 12/03/10

ARF: 63351

APPL ID: AY28150

QCG: #87SLL-101210A-150267

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.6 Percent Moisture.)							
8270CLL	ACENAPHTHENE	92	6.2	1.20	ug/kg	12/10/10	12/12/10
8270CLL	ACENAPHTHYLENE	34	6.2	1.10	ug/kg	12/10/10	12/12/10
8270CLL	ANTHRACENE	43	6.2	1.00	ug/kg	12/10/10	12/12/10
8270CLL	BENZ(A)ANTHRACENE	7.5	6.2	1.10	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(A)PYRENE	4.6 J	6.2	1.20	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(B)FLUORANTHENE	7.1	6.2	1.40	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(G,H,I)PERYLENE	16	6.2	1.70	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(K)FLUORANTHENE	2.6 J	6.2	1.30	ug/kg	12/10/10	12/12/10
8270CLL	CHRYSENE	7.8	6.2	1.10	ug/kg	12/10/10	12/12/10
8270CLL	DIBENZ(A,H)ANTHRACENE	9.9	6.2	1.10	ug/kg	12/10/10	12/12/10
8270CLL	FLUORANTHENE	10	6.2	1.50	ug/kg	12/10/10	12/12/10
8270CLL	FLUORENE	140	6.2	1.20	ug/kg	12/10/10	12/12/10
8270CLL	INDENO(1,2,3-CD)PYRENE	12	6.2	1.10	ug/kg	12/10/10	12/12/10
8270CLL	NAPHTHALENE	230	6.2	1.10	ug/kg	12/10/10	12/12/10
8270CLL	PHENANTHRENE	180	6.2	1.40	ug/kg	12/10/10	12/12/10
8270CLL	PYRENE	19	6.2	1.50	ug/kg	12/10/10	12/12/10
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	52.2	45-105		%	12/10/10	12/12/10
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	56.1	35-100		%	12/10/10	12/12/10
8270CLL	SURROGATE: TERPHENYL-D14 (S)	56.9	30-125		%	12/10/10	12/12/10

J = Estimated value.

Quant Method: SIM2.M
Run #: 1212L021
Instrument: Linus
Sequence: L101111
Dilution Factor: 1
Initials: LF

Printed: 12/20/10 11:59:54 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-512

Sample Collection Date: 12/03/10

ARF: 63351

APPL ID: AY28151

QCG: #87SLL-101210A-150267

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
8270CLL	ACENAPHTHENE	Not detected	6.0	1.20	ug/kg	12/10/10	12/12/10
8270CLL	ACENAPHTHYLENE	Not detected	6.0	1.10	ug/kg	12/10/10	12/12/10
8270CLL	ANTHRACENE	Not detected	6.0	1.00	ug/kg	12/10/10	12/12/10
8270CLL	BENZ(A)ANTHRACENE	Not detected	6.0	1.10	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(A)PYRENE	Not detected	6.0	1.10	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(B)FLUORANTHENE	Not detected	6.0	1.30	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	6.0	1.60	ug/kg	12/10/10	12/12/10
8270CLL	BENZO(K)FLUORANTHENE	Not detected	6.0	1.30	ug/kg	12/10/10	12/12/10
8270CLL	CHRYSENE	Not detected	6.0	1.00	ug/kg	12/10/10	12/12/10
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	6.0	1.10	ug/kg	12/10/10	12/12/10
8270CLL	FLUORANTHENE	Not detected	6.0	1.50	ug/kg	12/10/10	12/12/10
8270CLL	FLUORENE	Not detected	6.0	1.20	ug/kg	12/10/10	12/12/10
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	6.0	1.10	ug/kg	12/10/10	12/12/10
8270CLL	NAPHTHALENE	Not detected	6.0	1.10	ug/kg	12/10/10	12/12/10
8270CLL	PHENANTHRENE	2.5 J	6.0	1.30	ug/kg	12/10/10	12/12/10
8270CLL	PYRENE	Not detected	6.0	1.50	ug/kg	12/10/10	12/12/10
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	57.2	45-105		%	12/10/10	12/12/10
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	67.1	35-100		%	12/10/10	12/12/10
8270CLL	SURROGATE: TERPHENYL-D14 (S)	60.8	30-125		%	12/10/10	12/12/10

J = Estimated value.

Quant Method: SIM2.M
Run #: 1212L022
Instrument: Linus
Sequence: L101111
Dilution Factor: 1
Initials: LF

Printed: 12/20/10 11:59:55 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63351

Sample ID: 9-511

APPL ID: AY28150

Sample Collection Date: 12/03/10

QCG: #GSTS-101212B-150272

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.6 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	50 ++	2.5	0.85	mg/Kg	12/13/10	12/13/10
EPA 8015	SURROGATE: BFB-FID (S)	173 #	70-130		%	12/13/10	12/13/10

= Recovery (or RPD) is outside QC limits.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1212H25
Instrument: Harpo
Sequence: 100618
Dilution Factor: 2
Initials: LF

Printed: 12/20/10 11:57:54 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63351

Sample ID: 9-512

APPL ID: AY28151

Sample Collection Date: 12/03/10

QCG: #GSTS-101212B-150272

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	12/13/10	12/13/10
EPA 8015	SURROGATE: BFB-FID (S)	106	70-130		%	12/13/10	12/13/10

Quant Method: HBTXGM.M
Run #: 1212H26
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 12/20/10 11:57:54 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-511

Sample Collection Date: 12/03/10

ARF: 63351

APPL ID: AY28150

QCG: #TPMFS-101213A-150499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.6 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	1200 ++	25.0	15.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	JP5	830	250.0	82.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	KEROSENE	830	250.0	82.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	MOTOR OIL	640	250.0	87.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	DO	47-140		%	12/13/10	12/24/10

DO = Diluted Out.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: DMK1223.M
Run #: 1223051
Instrument: Apollo
Sequence: 101223
Dilution Factor: 20
Initials: LA

Printed: 12/27/10 5:46:02 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63351

Sample ID: 9-512

APPL ID: AY28151

Sample Collection Date: 12/03/10

QCG: #TPMFS-101213A-150499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.73	mg/Kg	12/13/10	12/24/10
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	12/13/10	12/24/10
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	12/13/10	12/24/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	73.6	47-140		%	12/13/10	12/24/10

Quant Method: DMK1223.M
Run #: 1223052
Instrument: Apollo
Sequence: 101223
Dilution Factor: 1
Initials: LA

Printed: 12/27/10 5:46:02 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER **30948**



PROJECT NAME MOFFETT PETROLEUM SITE		PURCHASE ORDER NO. 042813-3		ANALYSES REQUIRED VOC TETRA PRA 8 2603 4 MIB PRA 8015 B TPH EXT PRA 8015 B TPH-D PRA 8270 PLB PAH				LABORATORY NAME APPL LAB		Project Information Section Do not submit to Laboratory									
PROJECT LOCATION MOFFETT FIELD CA		PROJECT NO. 3570 009E						LABORATORY ID (FOR LABORATORY) 63481											
SAMPLER NAME DUDS/ALMANEA		AIRBILL NUMBER		COMMENTS		LOCATION		DEPTH					QC						
PROJECT CONTACT S. SUDOHO		PROJECT CONTACT PHONE NUMBER 449 809 5022		SAMPLE ID		DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL 3 4	T Y P E	T A T	START	END	QC					
				9-513		12/16/10	1205	8	X	S	10 DAY	X	X	X	X	WS8-34	4	6	N
				9-514		12/16/10	1125	8	X	S	10 DAY	X	X	X	X	WS8-45	4	6	N
				9-FB33		12/16/10	1350	10	X	W	10 DAY	X	X	X	X	DUNGATE	-	-	B
RELINQUISHED BY (Signature) <i>[Signature]</i>		DATE 12/16/10	RECEIVED BY (Signature) <i>[Signature]</i>		LABORATORY INSTRUCTIONS/COMMENTS THE TYPE = DESEL DESEL, JP5, LUBRICANT, MOTOR OIL				SAMPLING COMMENT: UST 58 WELL INSTALLATION										
COMPANY TEEL	TIME 1515	COMPANY APPL LABS		COMPOSITE DESCRIPTION															
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)				TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN											
COMPANY	TIME	COMPANY		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN															
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)																	
COMPANY	TIME	COMPANY																	

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Sites

ARF: 63481

Sample ID: 9-513

APPL ID: AY29200

Sample Collection Date: 12/16/10

QCG: #86MFS-101217AM-150375

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.4 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.4	1.00	ug/Kg	12/17/10	12/17/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.4	1.60	ug/Kg	12/17/10	12/17/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.4	0.61	ug/Kg	12/17/10	12/17/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.4	1.40	ug/Kg	12/17/10	12/17/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.4	1.00	ug/Kg	12/17/10	12/17/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.4	0.92	ug/Kg	12/17/10	12/17/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.4	0.79	ug/Kg	12/17/10	12/17/10
EPA 8260B	2-BUTANONE	Not detected	64	0.9	ug/Kg	12/17/10	12/17/10
EPA 8260B	2-HEXANONE	Not detected	64	0.3	ug/Kg	12/17/10	12/17/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	64	1.1	ug/Kg	12/17/10	12/17/10
EPA 8260B	ACETONE	33 J	64	3.6	ug/Kg	12/17/10	12/17/10
EPA 8260B	BENZENE	1.4 J	6.4	0.80	ug/Kg	12/17/10	12/17/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.4	0.88	ug/Kg	12/17/10	12/17/10
EPA 8260B	BROMOFORM	Not detected	6.4	1.00	ug/Kg	12/17/10	12/17/10
EPA 8260B	BROMOMETHANE	Not detected	13	2.0	ug/Kg	12/17/10	12/17/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.4	1.00	ug/Kg	12/17/10	12/17/10
EPA 8260B	CHLOROBENZENE	Not detected	6.4	0.62	ug/Kg	12/17/10	12/17/10
EPA 8260B	CHLOROETHANE	Not detected	6.4	2.00	ug/Kg	12/17/10	12/17/10
EPA 8260B	CHLOROFORM	Not detected	6.4	1.80	ug/Kg	12/17/10	12/17/10
EPA 8260B	CHLOROMETHANE	Not detected	13	2.3	ug/Kg	12/17/10	12/17/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.4	1.40	ug/Kg	12/17/10	12/17/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.4	0.60	ug/Kg	12/17/10	12/17/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.4	1.10	ug/Kg	12/17/10	12/17/10
EPA 8260B	ETHYLBENZENE	Not detected	6.4	0.81	ug/Kg	12/17/10	12/17/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.4	1.10	ug/Kg	12/17/10	12/17/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	64	5.9	ug/Kg	12/17/10	12/17/10
EPA 8260B	STYRENE	Not detected	6.4	0.88	ug/Kg	12/17/10	12/17/10
EPA 8260B	TETRACHLOROETHENE	Not detected	6.4	0.69	ug/Kg	12/17/10	12/17/10
EPA 8260B	TOLUENE	1.3 J	6.4	0.83	ug/Kg	12/17/10	12/17/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.4	1.70	ug/Kg	12/17/10	12/17/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.4	0.55	ug/Kg	12/17/10	12/17/10
EPA 8260B	TRICHLOROETHENE	Not detected	6.4	0.90	ug/Kg	12/17/10	12/17/10
EPA 8260B	VINYL CHLORIDE	Not detected	6.4	2.10	ug/Kg	12/17/10	12/17/10
EPA 8260B	XYLENES	Not detected	6.4	0.87	ug/Kg	12/17/10	12/17/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	121	70-140		%	12/17/10	12/17/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	100	85-120		%	12/17/10	12/17/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.0	85-115		%	12/17/10	12/17/10

J = Estimated value.

Quant Method: M86DODS.M
Run #: 1217M18
Instrument: Max
Sequence: M101214
Dilution Factor: 1
Initials: GM

Printed: 01/10/11 4:16:31 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Sites

ARF: 63481

Sample ID: 9-514

APPL ID: AY29201

Sample Collection Date: 12/16/10

QCG: #86MFS-101217AM-150375

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.6 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.4	1.00	ug/Kg	12/18/10	12/18/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.4	1.60	ug/Kg	12/18/10	12/18/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.4	0.61	ug/Kg	12/18/10	12/18/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.4	1.40	ug/Kg	12/18/10	12/18/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.4	1.00	ug/Kg	12/18/10	12/18/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.4	0.92	ug/Kg	12/18/10	12/18/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.4	0.79	ug/Kg	12/18/10	12/18/10
EPA 8260B	2-BUTANONE	Not detected	64	0.9	ug/Kg	12/18/10	12/18/10
EPA 8260B	2-HEXANONE	Not detected	64	0.3	ug/Kg	12/18/10	12/18/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	64	1.1	ug/Kg	12/18/10	12/18/10
EPA 8260B	ACETONE	Not detected	64	3.6	ug/Kg	12/18/10	12/18/10
EPA 8260B	BENZENE	2.2 J	6.4	0.80	ug/Kg	12/18/10	12/18/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.4	0.88	ug/Kg	12/18/10	12/18/10
EPA 8260B	BROMOFORM	Not detected	6.4	1.00	ug/Kg	12/18/10	12/18/10
EPA 8260B	BROMOMETHANE	Not detected	13	2.0	ug/Kg	12/18/10	12/18/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.4	1.00	ug/Kg	12/18/10	12/18/10
EPA 8260B	CHLOROBENZENE	Not detected	6.4	0.63	ug/Kg	12/18/10	12/18/10
EPA 8260B	CHLOROETHANE	Not detected	6.4	2.00	ug/Kg	12/18/10	12/18/10
EPA 8260B	CHLOROFORM	Not detected	6.4	1.80	ug/Kg	12/18/10	12/18/10
EPA 8260B	CHLOROMETHANE	Not detected	13	2.3	ug/Kg	12/18/10	12/18/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.4	1.40	ug/Kg	12/18/10	12/18/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.4	0.60	ug/Kg	12/18/10	12/18/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.4	1.10	ug/Kg	12/18/10	12/18/10
EPA 8260B	ETHYLBENZENE	Not detected	6.4	0.82	ug/Kg	12/18/10	12/18/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.4	1.10	ug/Kg	12/18/10	12/18/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	64	5.9	ug/Kg	12/18/10	12/18/10
EPA 8260B	STYRENE	Not detected	6.4	0.88	ug/Kg	12/18/10	12/18/10
EPA 8260B	TETRACHLOROETHENE	Not detected	6.4	0.69	ug/Kg	12/18/10	12/18/10
EPA 8260B	TOLUENE	1.3 J	6.4	0.83	ug/Kg	12/18/10	12/18/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.4	1.70	ug/Kg	12/18/10	12/18/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.4	0.55	ug/Kg	12/18/10	12/18/10
EPA 8260B	TRICHLOROETHENE	Not detected	6.4	0.91	ug/Kg	12/18/10	12/18/10
EPA 8260B	VINYL CHLORIDE	Not detected	6.4	2.10	ug/Kg	12/18/10	12/18/10
EPA 8260B	XYLENES	Not detected	6.4	0.87	ug/Kg	12/18/10	12/18/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	127	70-140		%	12/18/10	12/18/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	92.7	85-120		%	12/18/10	12/18/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	95.7	85-115		%	12/18/10	12/18/10

J = Estimated value.

Quant Method: M86DODS.M
Run #: 1217M19
Instrument: Max
Sequence: M101214
Dilution Factor: 1
Initials: GM

Printed: 01/10/11 4:16:31 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Sites

ARF: 63481
APPL ID: AY29200
QCG: #GSTS-101228A-150564

Sample ID: 9-513

Sample Collection Date: 12/16/10

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.4 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.3	0.43	mg/Kg	12/28/10	12/28/10
EPA 8015	SURROGATE: BFB-FID (S)	97.0	70-130		%	12/28/10	12/28/10

Quant Method: HBTXGM.M
Run #: 1228H05
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 01/06/11 3:56:06 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Sites

Sample ID: 9-514

Sample Collection Date: 12/16/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 63481

APPL ID: AY29201

QCG: #GSTS-101228A-150564

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.6 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.3	0.43	mg/Kg	12/28/10	12/28/10
EPA 8015	SURROGATE: BFB-FID (S)	101	70-130		%	12/28/10	12/28/10

Quant Method: HBTXGM.M
Run #: 1228H06
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 01/06/11 3:56:06 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Sites

Sample ID: 9-513

Sample Collection Date: 12/16/10

ARF: 63481

APPL ID: AY29200

QCG: #TPMFS-101229A-151029

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.4 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.3	0.76	mg/Kg	12/29/10	01/12/11
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	12/29/10	01/12/11
EPA 8015B-	KEROSENE	Not detected	13.0	4.20	mg/Kg	12/29/10	01/12/11
EPA 8015B-	MOTOR OIL	Not detected	13.0	4.50	mg/Kg	12/29/10	01/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	86.5	47-140		%	12/29/10	01/12/11

Quant Method: TPMFS.M
Run #: 110107
Instrument: Apollo
Sequence: 110110
Dilution Factor: 1
Initials: LF

Printed: 01/12/11 6:08:46 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Sites

Sample ID: 9-514

Sample Collection Date: 12/16/10

ARF: 63481

APPL ID: AY29201

QCG: #TPMFS-101229A-151029

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.6 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.3	0.77	mg/Kg	12/29/10	01/12/11
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	12/29/10	01/12/11
EPA 8015B-	KEROSENE	Not detected	13.0	4.20	mg/Kg	12/29/10	01/12/11
EPA 8015B-	MOTOR OIL	Not detected	13.0	4.50	mg/Kg	12/29/10	01/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	86.1	47-140		%	12/29/10	01/12/11

Quant Method: TPMFS.M
Run #: 110108
Instrument: Apollo
Sequence: 110110
Dilution Factor: 1
Initials: LF

Printed: 01/12/11 6:08:46 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoku

Project: 3570.009.E Moffett Petroleum Sites

ARF: 63481

Sample ID: 9-513

APPL ID: AY29200

Sample Collection Date: 12/16/10

QCG: #87SLL-101223A-150796

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.4 Percent Moisture.)							
8270CLL	ACENAPHTHENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	ACENAPHTHYLENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	ANTHRACENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(A)ANTHRACENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(A)PYRENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	6.4	1.40	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	6.4	1.70	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	6.4	1.30	ug/kg	12/23/10	01/05/11
8270CLL	CHRYSENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	FLUORANTHENE	Not detected	6.4	1.50	ug/kg	12/23/10	01/05/11
8270CLL	FLUORENE	Not detected	6.4	1.30	ug/kg	12/23/10	01/05/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	NAPHTHALENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	PHENANTHRENE	2.8 J	6.4	1.40	ug/kg	12/23/10	01/05/11
8270CLL	PYRENE	Not detected	6.4	1.60	ug/kg	12/23/10	01/05/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	54.3	45-105		%	12/23/10	01/05/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	50.1	35-100		%	12/23/10	01/05/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	54.2	30-125		%	12/23/10	01/05/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 0104L010
Instrument: Linus
Sequence: L101111
Dilution Factor: 1
Initials: LF

Printed: 01/06/11 3:56:52 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8270C Solid PAH Low Level

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Sites

Sample ID: 9-514

Sample Collection Date: 12/16/10

ARF: 63481

APPL ID: AY29201

QCG: #87SLL-101223A-150796

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.6 Percent Moisture.)							
8270CLL	ACENAPHTHENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	ACENAPHTHYLENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	ANTHRACENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(A)PYRENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	6.4	1.40	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	6.4	1.70	ug/kg	12/23/10	01/05/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	6.4	1.30	ug/kg	12/23/10	01/05/11
8270CLL	CHRYSENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	6.4	1.20	ug/kg	12/23/10	01/05/11
8270CLL	FLUORANTHENE	Not detected	6.4	1.50	ug/kg	12/23/10	01/05/11
8270CLL	FLUORENE	Not detected	6.4	1.30	ug/kg	12/23/10	01/05/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	NAPHTHALENE	Not detected	6.4	1.10	ug/kg	12/23/10	01/05/11
8270CLL	PHENANTHRENE	3.0 J	6.4	1.40	ug/kg	12/23/10	01/05/11
8270CLL	PYRENE	Not detected	6.4	1.60	ug/kg	12/23/10	01/05/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	55.7	45-105		%	12/23/10	01/05/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	57.5	35-100		%	12/23/10	01/05/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	63.8	30-125		%	12/23/10	01/05/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 0104L011
Instrument: Linus
Sequence: L101111
Dilution Factor: 1
Initials: LF

Printed: 01/06/11 3:56:52 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-522

APPL ID: AY29347

Sample Collection Date: 12/20/10

QCG: #86MFS-101229AS-150601

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.1 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.1	0.99	ug/Kg	12/29/10	12/29/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.1	1.50	ug/Kg	12/29/10	12/29/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.1	0.59	ug/Kg	12/29/10	12/29/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.1	1.40	ug/Kg	12/29/10	12/29/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.1	0.96	ug/Kg	12/29/10	12/29/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.1	0.88	ug/Kg	12/29/10	12/29/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.1	0.76	ug/Kg	12/29/10	12/29/10
EPA 8260B	2-BUTANONE	Not detected	61	0.8	ug/Kg	12/29/10	12/29/10
EPA 8260B	2-HEXANONE	Not detected	61	0.2	ug/Kg	12/29/10	12/29/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	61	1.1	ug/Kg	12/29/10	12/29/10
EPA 8260B	ACETONE	92	61	3.4	ug/Kg	12/29/10	12/29/10
EPA 8260B	BENZENE	Not detected	6.1	0.77	ug/Kg	12/29/10	12/29/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.1	0.84	ug/Kg	12/29/10	12/29/10
EPA 8260B	BROMOFORM	Not detected	6.1	0.98	ug/Kg	12/29/10	12/29/10
EPA 8260B	BROMOMETHANE	Not detected	12	2.0	ug/Kg	12/29/10	12/29/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.1	0.98	ug/Kg	12/29/10	12/29/10
EPA 8260B	CHLOROBENZENE	Not detected	6.1	0.60	ug/Kg	12/29/10	12/29/10
EPA 8260B	CHLOROETHANE	Not detected	6.1	1.90	ug/Kg	12/29/10	12/29/10
EPA 8260B	CHLOROFORM	Not detected	6.1	1.70	ug/Kg	12/29/10	12/29/10
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	12/29/10	12/29/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.1	1.30	ug/Kg	12/29/10	12/29/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.1	0.57	ug/Kg	12/29/10	12/29/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.1	1.00	ug/Kg	12/29/10	12/29/10
EPA 8260B	ETHYLBENZENE	Not detected	6.1	0.78	ug/Kg	12/29/10	12/29/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.1	1.10	ug/Kg	12/29/10	12/29/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	61	5.6	ug/Kg	12/29/10	12/29/10
EPA 8260B	STYRENE	Not detected	6.1	0.84	ug/Kg	12/29/10	12/29/10
EPA 8260B	TETRACHLOROETHENE	Not detected	6.1	0.66	ug/Kg	12/29/10	12/29/10
EPA 8260B	TOLUENE	Not detected	6.1	0.79	ug/Kg	12/29/10	12/29/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.1	1.60	ug/Kg	12/29/10	12/29/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.1	0.53	ug/Kg	12/29/10	12/29/10
EPA 8260B	TRICHLOROETHENE	Not detected	6.1	0.87	ug/Kg	12/29/10	12/29/10
EPA 8260B	VINYL CHLORIDE	Not detected	6.1	2.10	ug/Kg	12/29/10	12/29/10
EPA 8260B	XYLENES	Not detected	6.1	0.83	ug/Kg	12/29/10	12/29/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	130	70-140		%	12/29/10	12/29/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	107	85-120		%	12/29/10	12/29/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-115		%	12/29/10	12/29/10

Quant Method: S86DODS.M
Run #: 1229S10
Instrument: Sweetpea
Sequence: S101227
Dilution Factor: 1
Initials: GM

Printed: 01/11/11 4:34:08 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-523

APPL ID: AY29348

Sample Collection Date: 12/20/10

QCG: #86MFW-101222AN-150523

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	12/22/10	12/22/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	12/22/10	12/22/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	12/22/10	12/22/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	12/22/10	12/22/10
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	12/22/10	12/22/10
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	12/22/10	12/22/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	12/22/10	12/22/10
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	12/22/10	12/22/10
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	12/22/10	12/22/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	12/22/10	12/22/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	12/22/10	12/22/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	12/22/10	12/22/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	12/22/10	12/22/10
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	12/22/10	12/22/10
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	12/22/10	12/22/10
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	12/22/10	12/22/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	12/22/10	12/22/10
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	12/22/10	12/22/10
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	105	70-120		%	12/22/10	12/22/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	99.3	75-120		%	12/22/10	12/22/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	93.9	85-120		%	12/22/10	12/22/10

Quant Method: N86DODW.M
Run #: 1222N09
Instrument: Neo
Sequence: N101221
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-524

APPL ID: AY29349

Sample Collection Date: 12/20/10

QCG: #86MFS-101228AN-150885

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
EPA 8260B-	1,1,1-TRICHLOROETHANE	Not detected	31.0	8.70	ug/Kg	12/28/10	12/28/10
EPA 8260B-	1,1,2,2-TETRACHLOROETHANE	Not detected	31.0	17.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	1,1,2-TRICHLOROETHANE	Not detected	31.0	12.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	1,1-DICHLOROETHANE	Not detected	62.0	12.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	1,1-DICHLOROETHENE	Not detected	31.0	19.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	1,2-DICHLOROETHANE	Not detected	31.0	8.70	ug/Kg	12/28/10	12/28/10
EPA 8260B-	1,2-DICHLOROPROPANE	Not detected	31.0	11.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	2-BUTANONE	Not detected	620.0	37.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	2-HEXANONE	Not detected	620.0	57.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	4-METHYL-2-PENTANONE	Not detected	620.0	120.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	ACETONE	Not detected	620.0	59.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	BENZENE	Not detected	31.0	10.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	BROMODICHLOROMETHANE	Not detected	31.0	8.70	ug/Kg	12/28/10	12/28/10
EPA 8260B-	BROMOFORM	Not detected	31.0	8.70	ug/Kg	12/28/10	12/28/10
EPA 8260B-	BROMOMETHANE	Not detected	62.0	15.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	CARBON TETRACHLORIDE	Not detected	31.0	6.20	ug/Kg	12/28/10	12/28/10
EPA 8260B-	CHLOROBENZENE	250	31.0	13.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	CHLOROETHANE	Not detected	31.0	13.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	CHLOROFORM	Not detected	31.0	10.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	CHLOROMETHANE	Not detected	62.0	19.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	CIS-1,2-DICHLOROETHENE	Not detected	31.0	10.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	CIS-1,3-DICHLOROPROPENE	Not detected	31.0	9.30	ug/Kg	12/28/10	12/28/10
EPA 8260B-	DIBROMOCHLOROMETHANE	Not detected	31.0	12.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	ETHYLBENZENE	40	31.0	14.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	METHYL TERT-BUTYL ETHER	Not detected	31.0	12.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	METHYLENE CHLORIDE	24 J	620.0	22.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	STYRENE	Not detected	31.0	16.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	TETRACHLOROETHENE	Not detected	31.0	9.30	ug/Kg	12/28/10	12/28/10
EPA 8260B-	TOLUENE	Not detected	31.0	11.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	TRANS-1,2-DICHLOROETHENE	Not detected	31.0	12.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	TRANS-1,3-DICHLOROPROPENE	Not detected	31.0	11.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	TRICHLOROETHENE	Not detected	31.0	10.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	VINYL CHLORIDE	Not detected	31.0	14.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	XYLENES	530	31.0	12.00	ug/Kg	12/28/10	12/28/10
EPA 8260B-	SURROGATE: 1,2-DICHLOROETHAN	105	70-140		%	12/28/10	12/28/10
EPA 8260B-	SURROGATE: 4-BROMOFLUOROBEN	108	85-120		%	12/28/10	12/28/10
EPA 8260B-	SURROGATE: TOLUENE-D8 (S)	91.1	85-115		%	12/28/10	12/28/10

J = Estimated value.

Quant Method: N86DODW.M
Run #: 1228N16
Instrument: Neo
Sequence: N101221
Dilution Factor: 50
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-525

APPL ID: AY29350

Sample Collection Date: 12/20/10

QCG: #86MFS-101228AS-150600

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.0 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.96	ug/Kg	12/28/10	12/28/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	12/28/10	12/28/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.57	ug/Kg	12/28/10	12/28/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.30	ug/Kg	12/28/10	12/28/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.94	ug/Kg	12/28/10	12/28/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.86	ug/Kg	12/28/10	12/28/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.74	ug/Kg	12/28/10	12/28/10
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	12/28/10	12/28/10
EPA 8260B	2-HEXANONE	Not detected	60	0.2	ug/Kg	12/28/10	12/28/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	12/28/10	12/28/10
EPA 8260B	ACETONE	Not detected	60	3.3	ug/Kg	12/28/10	12/28/10
EPA 8260B	BENZENE	Not detected	6.0	0.75	ug/Kg	12/28/10	12/28/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.82	ug/Kg	12/28/10	12/28/10
EPA 8260B	BROMOFORM	Not detected	6.0	0.95	ug/Kg	12/28/10	12/28/10
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	12/28/10	12/28/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.95	ug/Kg	12/28/10	12/28/10
EPA 8260B	CHLOROBENZENE	Not detected	6.0	0.58	ug/Kg	12/28/10	12/28/10
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.80	ug/Kg	12/28/10	12/28/10
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	12/28/10	12/28/10
EPA 8260B	CHLOROMETHANE	Not detected	12	2.1	ug/Kg	12/28/10	12/28/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	12/28/10	12/28/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.56	ug/Kg	12/28/10	12/28/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	12/28/10	12/28/10
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.76	ug/Kg	12/28/10	12/28/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	12/28/10	12/28/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	12/28/10	12/28/10
EPA 8260B	STYRENE	Not detected	6.0	0.82	ug/Kg	12/28/10	12/28/10
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.64	ug/Kg	12/28/10	12/28/10
EPA 8260B	TOLUENE	Not detected	6.0	0.77	ug/Kg	12/28/10	12/28/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	12/28/10	12/28/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.51	ug/Kg	12/28/10	12/28/10
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.85	ug/Kg	12/28/10	12/28/10
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	12/28/10	12/28/10
EPA 8260B	XYLENES	Not detected	6.0	0.81	ug/Kg	12/28/10	12/28/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	128	70-140		%	12/28/10	12/28/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	108	85-120		%	12/28/10	12/28/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-115		%	12/28/10	12/28/10

Quant Method: S86DODS.M
Run #: 1228S10
Instrument: Sweetpea
Sequence: S101227
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

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Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-526

APPL ID: AY29351

Sample Collection Date: 12/20/10

QCG: #86MFW-101222AN-150523

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	12/22/10	12/22/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	12/22/10	12/22/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	12/22/10	12/22/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	12/22/10	12/22/10
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	12/22/10	12/22/10
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	12/22/10	12/22/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	12/22/10	12/22/10
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	12/22/10	12/22/10
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	12/22/10	12/22/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROBENZENE	3.9 J	5.0	0.21	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	12/22/10	12/22/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	12/22/10	12/22/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	ETHYLBENZENE	0.47 J	0.5	0.23	ug/L	12/22/10	12/22/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	12/22/10	12/22/10
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	12/22/10	12/22/10
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	12/22/10	12/22/10
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	12/22/10	12/22/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	12/22/10	12/22/10
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	12/22/10	12/22/10
EPA 8260B	XYLENES	4.6	1.5	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	108	70-120		%	12/22/10	12/22/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	99.2	75-120		%	12/22/10	12/22/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	91.8	85-120		%	12/22/10	12/22/10

J = Estimated value.

Quant Method: N86DODW.M
Run #: 1222N10
Instrument: Neo
Sequence: N101221
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-527

APPL ID: AY29352

Sample Collection Date: 12/20/10

QCG: #86MFS-101224AS-150580

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.1 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.3	1.00	ug/Kg	12/24/10	12/24/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.3	1.60	ug/Kg	12/24/10	12/24/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.3	0.61	ug/Kg	12/24/10	12/24/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.3	1.40	ug/Kg	12/24/10	12/24/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.3	1.00	ug/Kg	12/24/10	12/24/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.3	0.91	ug/Kg	12/24/10	12/24/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.3	0.79	ug/Kg	12/24/10	12/24/10
EPA 8260B	2-BUTANONE	Not detected	63	0.9	ug/Kg	12/24/10	12/24/10
EPA 8260B	2-HEXANONE	Not detected	63	0.3	ug/Kg	12/24/10	12/24/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	63	1.1	ug/Kg	12/24/10	12/24/10
EPA 8260B	ACETONE	78	63	3.5	ug/Kg	12/24/10	12/24/10
EPA 8260B	BENZENE	Not detected	6.3	0.80	ug/Kg	12/24/10	12/24/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.3	0.87	ug/Kg	12/24/10	12/24/10
EPA 8260B	BROMOFORM	Not detected	6.3	1.00	ug/Kg	12/24/10	12/24/10
EPA 8260B	BROMOMETHANE	Not detected	13	2.0	ug/Kg	12/24/10	12/24/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.3	1.00	ug/Kg	12/24/10	12/24/10
EPA 8260B	CHLOROBENZENE	Not detected	6.3	0.62	ug/Kg	12/24/10	12/24/10
EPA 8260B	CHLOROETHANE	Not detected	6.3	2.00	ug/Kg	12/24/10	12/24/10
EPA 8260B	CHLOROFORM	Not detected	6.3	1.80	ug/Kg	12/24/10	12/24/10
EPA 8260B	CHLOROMETHANE	Not detected	13	2.3	ug/Kg	12/24/10	12/24/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.3	1.40	ug/Kg	12/24/10	12/24/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.3	0.60	ug/Kg	12/24/10	12/24/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.3	1.10	ug/Kg	12/24/10	12/24/10
EPA 8260B	ETHYLBENZENE	Not detected	6.3	0.81	ug/Kg	12/24/10	12/24/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.3	1.10	ug/Kg	12/24/10	12/24/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	63	5.8	ug/Kg	12/24/10	12/24/10
EPA 8260B	STYRENE	Not detected	6.3	0.87	ug/Kg	12/24/10	12/24/10
EPA 8260B	TETRACHLOROETHENE	Not detected	6.3	0.68	ug/Kg	12/24/10	12/24/10
EPA 8260B	TOLUENE	Not detected	6.3	0.82	ug/Kg	12/24/10	12/24/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.3	1.70	ug/Kg	12/24/10	12/24/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.3	0.54	ug/Kg	12/24/10	12/24/10
EPA 8260B	TRICHLOROETHENE	Not detected	6.3	0.90	ug/Kg	12/24/10	12/24/10
EPA 8260B	VINYL CHLORIDE	Not detected	6.3	2.10	ug/Kg	12/24/10	12/24/10
EPA 8260B	XYLENES	Not detected	6.3	0.86	ug/Kg	12/24/10	12/24/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	124	70-140		%	12/24/10	12/24/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	96.3	85-120		%	12/24/10	12/24/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	85-115		%	12/24/10	12/24/10

Quant Method: S86DODS.M
Run #: 1224S18
Instrument: Sweetpea
Sequence: S101221
Dilution Factor: 1
Initials: GM

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-528

APPL ID: AY29353

Sample Collection Date: 12/20/10

QCG: #86MFW-101222AN-150523

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	12/22/10	12/22/10
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	12/22/10	12/22/10
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	12/22/10	12/22/10
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	12/22/10	12/22/10
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	12/22/10	12/22/10
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	12/22/10	12/22/10
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	12/22/10	12/22/10
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	12/22/10	12/22/10
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	12/22/10	12/22/10
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	12/22/10	12/22/10
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	12/22/10	12/22/10
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	12/22/10	12/22/10
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	12/22/10	12/22/10
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	12/22/10	12/22/10
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	12/22/10	12/22/10
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	12/22/10	12/22/10
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	12/22/10	12/22/10
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	12/22/10	12/22/10
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	12/22/10	12/22/10
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	12/22/10	12/22/10
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	12/22/10	12/22/10
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	12/22/10	12/22/10
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	104	70-120		%	12/22/10	12/22/10
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	105	75-120		%	12/22/10	12/22/10
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	85-120		%	12/22/10	12/22/10

Quant Method: N86DODW.M
Run #: 1222N11
Instrument: Neo
Sequence: N101221
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-522

APPL ID: AY29347

Sample Collection Date: 12/20/10

QCG: #GSTS-101228A-150564

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.1 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.42	mg/Kg	12/28/10	12/28/10
EPA 8015	SURROGATE: BFB-FID (S)	89.7	70-130		%	12/28/10	12/28/10

Quant Method: HBTXGM.M
Run #: 1228H07
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-523

APPL ID: AY29348

Sample Collection Date: 12/20/10

QCG: #GSWCT-101228A-150570

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	12/29/10	12/29/10
8015	SURROGATE: BFB-FID (S)	108	70-130		%	12/29/10	12/29/10

Quant Method: HBTXGM.M
Run #: 1228H20
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 01/07/11 5:06:38 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-524

Sample Collection Date: 12/20/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 63507

APPL ID: AY29349

QCG: #GSTS-101228A-150564

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	240 ++	12.0	4.20	mg/Kg	12/28/10	12/28/10
EPA 8015	SURROGATE: BFB-FID (S)	103	70-130		%	12/28/10	12/28/10

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1228H08
Instrument: Harpo
Sequence: 100618
Dilution Factor: 10
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-525

Sample Collection Date: 12/20/10

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 63507

APPL ID: AY29350

QCG: #GSTS-101228A-150564

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.0 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.40	mg/Kg	12/28/10	12/28/10
EPA 8015	SURROGATE: BFB-FID (S)	108	70-130		%	12/28/10	12/28/10

Quant Method: HBTXGM.M
Run #: 1228H09
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 01/07/11 5:06:38 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-526

APPL ID: AY29351

Sample Collection Date: 12/20/10

QCG: #GSWCT-101228A-150570

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	0.19 ++	0.020	0.0086	mg/L	12/29/10	12/29/10
8015	SURROGATE: BFB-FID (S)	116	70-130		%	12/29/10	12/29/10

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HBTXGM.M
Run #: 1228H21
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-527

Sample Collection Date: 12/20/10

ARF: 63507

APPL ID: AY29352

QCG: #GSTS-101228A-150564

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.1 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.3	0.43	mg/Kg	12/28/10	12/28/10
EPA 8015	SURROGATE: BFB-FID (S)	94.1	70-130		%	12/28/10	12/28/10

Quant Method: HBTXGM.M
Run #: 1228H10
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-528

APPL ID: AY29353

Sample Collection Date: 12/20/10

QCG: #GSWCT-101228A-150570

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	12/29/10	12/29/10
8015	SURROGATE: BFB-FID (S)	106	70-130		%	12/29/10	12/29/10

Quant Method: HBTXGM.M
Run #: 1228H22
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-522

Sample Collection Date: 12/20/10

ARF: 63507

APPL ID: AY29347

QCG: #TPMFS-101229A-151029

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.1 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.73	mg/Kg	12/29/10	01/12/11
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	12/29/10	01/12/11
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	12/29/10	01/12/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.30	mg/Kg	12/29/10	01/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	78.2	47-140		%	12/29/10	01/12/11

Quant Method: TPMFS.M
Run #: 110112
Instrument: Apollo
Sequence: 110110
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-523

Sample Collection Date: 12/20/10

ARF: 63507

APPL ID: AY29348

QCG: #TPMFW-101227A-150689

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	12/27/10	12/29/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	61.8	47-140		%	12/27/10	12/29/10

Quant Method: DMK1223.M
Run #: 1228039
Instrument: Apollo
Sequence: 101228
Dilution Factor: 1
Initials: DA

Printed: 01/12/11 3:39:07 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-524

Sample Collection Date: 12/20/10

ARF: 63507

APPL ID: AY29349

QCG: #TPMFS-101229A-151029

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 19.7 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	120.0	75.00	mg/Kg	12/29/10	01/12/11
EPA 8015B-	JP5	3400	1200.0	410.00	mg/Kg	12/29/10	01/12/11
EPA 8015B-	KEROSENE	3400	1200.0	410.00	mg/Kg	12/29/10	01/12/11
EPA 8015B-	MOTOR OIL	Not detected	1200.0	440.00	mg/Kg	12/29/10	01/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	DO	47-140		%	12/29/10	01/12/11

DO = Diluted Out.

Quant Method: TPMFS.M
Run #: 110120
Instrument: Apollo
Sequence: 110110
Dilution Factor: 100
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-525

Sample Collection Date: 12/20/10

ARF: 63507

APPL ID: AY29350

QCG: #TPMFS-101229A-151029

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.0 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.71	mg/Kg	12/29/10	01/12/11
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	12/29/10	01/12/11
EPA 8015B-	KEROSENE	Not detected	12.0	3.90	mg/Kg	12/29/10	01/12/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	12/29/10	01/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	83.5	47-140		%	12/29/10	01/12/11

Quant Method: TPMFS.M
Run #: 110114
Instrument: Apollo
Sequence: 110110
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-526

Sample Collection Date: 12/20/10

ARF: 63507

APPL ID: AY29351

QCG: #TPMFW-101227A-150689

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	12/27/10	12/29/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	63.6	47-140		%	12/27/10	12/29/10

Quant Method: DMK1223.M
Run #: 1228040
Instrument: Apollo
Sequence: 101228
Dilution Factor: 1
Initials: DA

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-527

Sample Collection Date: 12/20/10

ARF: 63507

APPL ID: AY29352

QCG: #TPMFS-101229A-151029

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 21.1 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.3	0.76	mg/Kg	12/29/10	01/12/11
EPA 8015B-	JP5	Not detected	13.0	4.20	mg/Kg	12/29/10	01/12/11
EPA 8015B-	KEROSENE	Not detected	13.0	4.20	mg/Kg	12/29/10	01/12/11
EPA 8015B-	MOTOR OIL	Not detected	13.0	4.40	mg/Kg	12/29/10	01/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	82.6	47-140		%	12/29/10	01/12/11

Quant Method: TPMFS.M
Run #: 110115
Instrument: Apollo
Sequence: 110110
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63507

Sample ID: 9-528

APPL ID: AY29353

Sample Collection Date: 12/20/10

QCG: #TPMFW-101227A-150689

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	12/27/10	12/29/10
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	12/27/10	12/29/10
EPA 8015B-	SURROGATE: OCTACOSANE (S)	62.5	47-140		%	12/27/10	12/29/10

Quant Method: DMK1223.M
Run #: 1228041
Instrument: Apollo
Sequence: 101228
Dilution Factor: 1
Initials: DA

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APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 30952



PROJECT NAME CT09 Petro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED				LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory		
PROJECT LOCATION Moffett		PROJECT NO. 3570.009.E						LABORATORY ID (FOR LABORATORY) 63671 2/1				
SAMPLER NAME Duane Harrison		AIRBILL NUMBER COU1PR						COMMENTS				
PROJECT CONTACT Sabina Sudoka		PROJECT CONTACT PHONE NUMBER 949-809-5022						LOCATION				
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL 3 4	T Y P E	T A T	TPH-Ext. *			DEPTH START END	QC	
9-535 /	1-18-11	1155	2	X	W	10d		X			WZR-8	4.6 9.6 Req
9-534 /	1-18-11	1325	2	X	W	10d		X			WZR-7	4 7.5 Req
9-EB35	1-18-11	1520	2	X	W	10d		X			Equip Blank	- - EB
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS				SAMPLING COMMENT: CT09 Petro Sites Jan 2011			
COMPANY		TIME	COMPANY		* Diesel / Motoroil / JP5 / Kerosene							
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION							
COMPANY		TIME	COMPANY		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)							
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN							
COMPANY		TIME	COMPANY		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN							

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-535
Sample Collection Date: 1/18/2011

ARF: 63671
APPL ID: AY30243
QCG: #TPMFW-110121A-151644

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	1/21/2011	2/1/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	79.5	47-140		%	1/21/2011	2/1/2011

Quant Method: TPHD0117.M
Run #: 131075
Instrument: Apollo
Sequence: 110131
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 9:22:35 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-534
Sample Collection Date: 1/18/2011

ARF: 63671
APPL ID: AY30244
QCG: #TPMFW-110121A-151644

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	1/21/2011	2/1/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	59.2	47-140		%	1/21/2011	2/1/2011

Quant Method: TPHD0117.M
Run #: 131076
Instrument: Apollo
Sequence: 110131
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 9:22:36 AM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30954

CHAIN-OF-CUSTODY RECORD



PROJECT NAME CT09 Petro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED								LABORATORY NAME AAPL		Project Information Section Do not submit to Laboratory											
PROJECT LOCATION Moffett Field		PROJECT NO. 3570.009E		8260B VOCs TPH-A TPH-E 8270C PAH'S								LABORATORY ID (FOR LABORATORY) 63681					212								
SAMPLER NAME D. Harrison		AIRBILL NUMBER COWIN										COMMENTS								LOCATION			DEPTH		QC
PROJECT CONTACT S. ...		PROJECT CONTACT PHONE NUMBER ...										START											END		
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYPE	T	A	T																
				3	4													START	END						
9-TB31	1-19-11	1115	60	X		w	lod	X	X									Trip Blank			TB				
9-540	1-19-11	1125	30	X		w	lod	X	X	X								Rem MS/MSD			N				
9-GB36	1-19-11	1530	10	X		w	lod	X	X	X								Equip. Blank			EB				
Signature																									
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS											SAMPLING COMMENT: CT09 Petro Sites H Jan 2011								
COMPANY		TIME		COMPANY		COMPOSITE DESCRIPTION																			
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)																					
COMPANY		TIME		COMPANY																					
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																			
COMPANY		TIME		COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																			

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63681

Sample ID: 9-540

APPL ID: AY30289

Sample Collection Date: 1/19/2011

QCG: #TPMFW-110121A1-151679

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	1/21/2011	2/1/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	1/21/2011	2/1/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	51.9	47-140		%	1/21/2011	2/1/2011

Quant Method: TPHD0117.M
Run #: 131080
Instrument: Apollo
Sequence: 110131
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 9:25:20 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-540
Sample Collection Date: 01/19/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 63681
APPL ID: AY30289
QCG: #GSWCT-110128B-151640

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	01/30/11	01/30/11
8015	SURROGATE: BFB-FID (S)	91.5	70-130		%	01/30/11	01/30/11

Quant Method: HBTXGM.M
Run #: 0128H39
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 5:13:51 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-540

Sample Collection Date: 1/19/11

ARF: 63681

APPL ID: AY30289

QCG: #86MFW-110201AS-151704

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	2/1/11	2/1/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	2/1/11	2/1/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	2/1/11	2/1/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	2/1/11	2/1/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	2/1/11	2/1/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	2/1/11	2/1/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	2/1/11	2/1/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	2/1/11	2/1/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	2/1/11	2/1/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	2/1/11	2/1/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	2/1/11	2/1/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	2/1/11	2/1/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	2/1/11	2/1/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	2/1/11	2/1/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	2/1/11	2/1/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	2/1/11	2/1/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	2/1/11	2/1/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	2/1/11	2/1/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	2/1/11	2/1/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	2/1/11	2/1/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	2/1/11	2/1/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	2/1/11	2/1/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	2/1/11	2/1/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	2/1/11	2/1/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	2/1/11	2/1/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	2/1/11	2/1/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	2/1/11	2/1/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	2/1/11	2/1/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	2/1/11	2/1/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	2/1/11	2/1/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	2/1/11	2/1/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	2/1/11	2/1/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	2/1/11	2/1/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	2/1/11	2/1/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	105	70-120		%	2/1/11	2/1/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	96.3	75-120		%	2/1/11	2/1/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.6	85-120		%	2/1/11	2/1/11

Quant Method: S86DODW.M
Run #: 0201S09
Instrument: Sweetpea
Sequence: S110131
Dilution Factor: 1
Initials: DG

Printed: 2/17/11 10:01:13 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63681

Sample ID: 9-540

APPL ID: AY30289

Sample Collection Date: 01/19/11

QCG: #87WLL-110124A-151661

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	01/24/11	02/02/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	01/24/11	02/02/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	01/24/11	02/02/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	01/24/11	02/02/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	01/24/11	02/02/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	01/24/11	02/02/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	01/24/11	02/02/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	01/24/11	02/02/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	01/24/11	02/02/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	01/24/11	02/02/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	01/24/11	02/02/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	01/24/11	02/02/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	01/24/11	02/02/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	01/24/11	02/02/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	01/24/11	02/02/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	01/24/11	02/02/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	53.7	50-110		%	01/24/11	02/02/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	54.6	40-110		%	01/24/11	02/02/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	54.2	50-135		%	01/24/11	02/02/11

Quant Method: SIM2.M
Run #: 0201L015
Instrument: LInus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/02/11 11:27:37 AM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 30953

ENTERED

PROJECT NAME <i>CT09 Petro Sites</i>		PURCHASE ORDER NO. <i>1042813-3</i>		ANALYSES REQUIRED								LABORATORY NAME <i>AMPL</i>		Project Information Section Do not submit to Laboratory							
PROJECT LOCATION <i>Muffet field</i>		PROJECT NO. <i>3570.009.G</i>		<i>8200B VOC'S</i> <i>TPM-P</i> <i>TPM-E</i> <i>8200C PAH'S</i>								LABORATORY ID (FOR LABORATORY) <i>63691 2-7</i>									
SAMPLER NAME <i>...</i>		AIRBILL NUMBER <i>(DUV135)</i>										COMMENTS					LOCATION		DEPTH		QC
PROJECT CONTACT <i>...</i>		PROJECT CONTACT PHONE NUMBER <i>717-807-5022</i>										START					END				
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYPE	TAT														
				3	4																
<i>9-TB32</i>	<i>1-20-11</i>	<i>0950</i>	<i>6</i>	<input checked="" type="checkbox"/>		<i>lab</i>	<i>10d</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								<i>Trip Blank</i>	<i>-</i>	<i>-</i>	<i>TB</i>	
<i>9-536</i>	<i>1-20-11</i>	<i>1010</i>	<i>10</i>	<input checked="" type="checkbox"/>		<i>lab</i>	<i>10d</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<i>W58-1</i>	<i>12</i>	<i>17</i>	<i>N</i>	
<i>9-537</i>	<i>1-20-11</i>	<i>1040</i>	<i>10</i>	<input checked="" type="checkbox"/>		<i>lab</i>	<i>10d</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<i>W58-1</i>	<i>12</i>	<i>17</i>	<i>FD</i>	
<i>9-538</i>	<i>1-20-11</i>	<i>1400</i>	<i>9</i>	<input checked="" type="checkbox"/>		<i>lab</i>	<i>10d</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<i>W58-2</i>	<i>8</i>	<i>11</i>	<i>N</i>	
<i>9-EB37</i>	<i>1-20-11</i>	<i>1540</i>	<i>10</i>	<input checked="" type="checkbox"/>		<i>lab</i>	<i>10d</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<i>Equip Blank</i>	<i>-</i>	<i>-</i>	<i>EB</i>	
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS								SAMPLING COMMENT: <i>CT09 Petro Sites</i> <i>Jan 2011</i>								
COMPANY		TIME	COMPANY																		
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																
COMPANY		TIME	COMPANY																		
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-536
Sample Collection Date: 1/20/2011

ARF: 63691
APPL ID: AY30391
QCG: #TPMFW-110125A-151758

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	1/25/2011	2/2/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	60.0	47-140		%	1/25/2011	2/2/2011

Quant Method: TPHD0117.M
Run #: 202010
Instrument: Apollo
Sequence: 110202
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 9:27:49 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-537

Sample Collection Date: 1/20/2011

APPL Inc.

908 North Temperance Avenue
Clovis, CA 93611

ARF: 63691

APPL ID: AY30392

QCG: #TPMFW-110125A-151758

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	1/25/2011	2/2/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	56.6	47-140		%	1/25/2011	2/2/2011

Quant Method: TPHD0117.M
Run #: 202011
Instrument: Apollo
Sequence: 110202
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 9:27:49 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-538

Sample Collection Date: 1/20/2011

ARF: 63691

APPL ID: AY30393

QCG: #TPMFW-110125A-151758

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	1/25/2011	2/2/2011
EPA 8015B-	JP5	0.30 J	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	KEROSENE	0.30 J	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	1/25/2011	2/2/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	59.0	47-140		%	1/25/2011	2/2/2011

J = Estimated value.

Quant Method: TPHD0117.M
Run #: 202012
Instrument: Apollo
Sequence: 110202
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 9:27:50 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-536
Sample Collection Date: 01/20/11

ARF: 63691
APPL ID: AY30391
QCG: #GSWCT-110128B-151640

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	01/30/11	01/30/11
8015	SURROGATE: BFB-FID (S)	91.7	70-130		%	01/30/11	01/30/11

Quant Method: HBTXGM.M
Run #: 0128H43
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 5:15:31 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-537
Sample Collection Date: 01/20/11

ARF: 63691
APPL ID: AY30392
QCG: #GSWCT-110128B-151640

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	01/30/11	01/30/11
8015	SURROGATE: BFB-FID (S)	91.7	70-130		%	01/30/11	01/30/11

Quant Method: HBTXGM.M
Run #: 0128H44
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 5:15:31 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-538
Sample Collection Date: 01/20/11

ARF: 63691
APPL ID: AY30393
QCG: #GSWCT-110128B-151640

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	01/30/11	01/30/11
8015	SURROGATE: BFB-FID (S)	92.2	70-130		%	01/30/11	01/30/11

Quant Method: HBTXGM.M
Run #: 0128H45
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 5:15:31 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-536

Sample Collection Date: 01/20/11

ARF: 63691

APPL ID: AY30391

QCG: #86MFW-110131AS-151752

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	02/01/11	02/01/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	02/01/11	02/01/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	02/01/11	02/01/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	02/01/11	02/01/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	02/01/11	02/01/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	02/01/11	02/01/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	02/01/11	02/01/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	02/01/11	02/01/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	02/01/11	02/01/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	02/01/11	02/01/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	02/01/11	02/01/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	02/01/11	02/01/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	02/01/11	02/01/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	02/01/11	02/01/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	02/01/11	02/01/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	02/01/11	02/01/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	02/01/11	02/01/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	02/01/11	02/01/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	106	70-120		%	02/01/11	02/01/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.9	75-120		%	02/01/11	02/01/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.8	85-120		%	02/01/11	02/01/11

Quant Method: S86DODW.M

Run #: 0131S24

Instrument: Sweetpea

Sequence: S110131

Dilution Factor: 1

Initials: DG

Printed: 02/04/11 3:04:06 PM

APPL-F1-SC-NoMC-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63691

Sample ID: 9-537

APPL ID: AY30392

Sample Collection Date: 01/20/11

QCG: #86MFW-110131AS-151752

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	02/01/11	02/01/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	02/01/11	02/01/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	02/01/11	02/01/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	02/01/11	02/01/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	02/01/11	02/01/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	02/01/11	02/01/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	02/01/11	02/01/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	02/01/11	02/01/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	02/01/11	02/01/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	02/01/11	02/01/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	02/01/11	02/01/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	02/01/11	02/01/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	02/01/11	02/01/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	02/01/11	02/01/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	02/01/11	02/01/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	02/01/11	02/01/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	02/01/11	02/01/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	02/01/11	02/01/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	102	70-120		%	02/01/11	02/01/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	101	75-120		%	02/01/11	02/01/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.8	85-120		%	02/01/11	02/01/11

Quant Method: S86DODW.M
Run #: 0131S25
Instrument: Sweetpea
Sequence: S110131
Dilution Factor: 1
Initials: DG

Printed: 02/04/11 3:04:06 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63691

Sample ID: 9-538

APPL ID: AY30393

Sample Collection Date: 01/20/11

QCG: #86MFW-110131AS-151752

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	02/01/11	02/01/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	02/01/11	02/01/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	02/01/11	02/01/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	02/01/11	02/01/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	02/01/11	02/01/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	02/01/11	02/01/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	02/01/11	02/01/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	02/01/11	02/01/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	02/01/11	02/01/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	02/01/11	02/01/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	02/01/11	02/01/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	02/01/11	02/01/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	02/01/11	02/01/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	02/01/11	02/01/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	02/01/11	02/01/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	02/01/11	02/01/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	02/01/11	02/01/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	02/01/11	02/01/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	02/01/11	02/01/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/01/11	02/01/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	02/01/11	02/01/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	02/01/11	02/01/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	107	70-120		%	02/01/11	02/01/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	97.7	75-120		%	02/01/11	02/01/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.7	85-120		%	02/01/11	02/01/11

Quant Method: S86DODW.M
Run #: 0131S26
Instrument: Sweetpea
Sequence: S110131
Dilution Factor: 1
Initials: DG

Printed: 02/04/11 3:04:06 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63691

Sample ID: 9-536

APPL ID: AY30391

Sample Collection Date: 01/20/11

QCG: #87WLL-110126B-151692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	60.8	50-110		%	01/26/11	02/02/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	53.2	40-110		%	01/26/11	02/02/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	71.7	50-135		%	01/26/11	02/02/11

Quant Method: SIM2.M
Run #: 0202L012
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/03/11 8:42:31 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63691

Sample ID: 9-537

APPL ID: AY30392

Sample Collection Date: 01/20/11

QCG: #87WLL-110126B-151692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	01/28/11	02/02/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	58.0	50-110		%	01/26/11	02/02/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	59.8	40-110		%	01/26/11	02/02/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	68.3	50-135		%	01/26/11	02/02/11

Quant Method: SIM2.M
Run #: 0202L013
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/03/11 8:42:31 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-538
Sample Collection Date: 01/20/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 63691
APPL ID: AY30393
QCG: #87WLL-110126B-151692

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	0.17 J	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	01/26/11	02/02/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	NAPHTHALENE	0.31	0.2	0.05	ug/L	01/26/11	02/02/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	01/26/11	02/02/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	01/26/11	02/02/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	66.6	50-110		%	01/26/11	02/02/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	68.0	40-110		%	01/26/11	02/02/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	72.6	50-135		%	01/26/11	02/02/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 0202L014
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/03/11 8:42:31 AM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER **30918**



PROJECT NAME CTO9 Petro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED				LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory				
PROJECT LOCATION Mallet Field		PROJECT NO. 3570.009E		VOC'S TPH - PAH'S TPH - EX. BIOC PAH'S				LABORATORY ID (FOR LABORATORY) 63731						
SAMPLER NAME Don Hamilton		AIRBILL NUMBER COVINS												
PROJECT CONTACT Gabe Sandoz		PROJECT CONTACT PHONE NUMBER 949-891-5022												
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		T Y P E	T A T	COMMENTS	LOCATION		DEPTH	QC		
				3	4				START	END				
9-1B33	1-25-11	0800	6	<input checked="" type="checkbox"/>		W	10d	XX				Trip Blank	-	-TB
9-541	1-25-11	0930	10	<input checked="" type="checkbox"/>		W	10d	XXXXX				W58-5	7.5	12.5N
9-539	1-25-11	1315	10	<input checked="" type="checkbox"/>		W	10d	XXXXX				W58-3	6.5	11.5N
9-EB38	1-25-11	1515	10	<input checked="" type="checkbox"/>		W	10d	XXXXX				Equipment Blank	-	-EB
STAMPED														
RELINQUISHED BY (Signature) [Signature]		DATE 1-25-11	RECEIVED BY (Signature) [Signature]		LABORATORY INSTRUCTIONS/COMMENTS								SAMPLING COMMENT: CTO9 Petro Sites H Jan 2011	
COMPANY Hei		TIME 6:15	COMPANY APPL LABS		COMPOSITE DESCRIPTION									
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)											
COMPANY		TIME	COMPANY											
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)									
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN									

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

ARF: 63731

Sample ID: 9-541

APPL ID: AY30700

Sample Collection Date: 01/25/11

QCG: #86MFW-110204AT-151891

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	02/04/11	02/04/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	02/04/11	02/04/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	02/04/11	02/04/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	02/04/11	02/04/11
EPA 8260B	2-BUTANONE	27	5.0	0.60	ug/L	02/04/11	02/04/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	02/04/11	02/04/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	02/04/11	02/04/11
EPA 8260B	ACETONE	54	50	0.9	ug/L	02/04/11	02/04/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	02/04/11	02/04/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	02/04/11	02/04/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	02/04/11	02/04/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/04/11	02/04/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	02/04/11	02/04/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	02/04/11	02/04/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	02/04/11	02/04/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	02/04/11	02/04/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	02/04/11	02/04/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	02/04/11	02/04/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	02/04/11	02/04/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/04/11	02/04/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	02/04/11	02/04/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	107	70-120		%	02/04/11	02/04/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	90.6	75-120		%	02/04/11	02/04/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.8	85-120		%	02/04/11	02/04/11

Quant Method: T8MFW_20.M
Run #: 0204T09
Instrument: Thor
Sequence: T110203
Dilution Factor: 1
Initials: SV

Printed: 03/10/11 9:31:49 AM

APPL-F1-SC-NoMC-REG MDLs

AMENDED PAGE

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-539

Sample Collection Date: 01/25/11

ARF: 63731

APPL ID: AY30701

QCG: #86MFW-110204AT-151891

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	02/04/11	02/04/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	02/04/11	02/04/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	02/04/11	02/04/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	02/04/11	02/04/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	02/04/11	02/04/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	02/04/11	02/04/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	02/04/11	02/04/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	02/04/11	02/04/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	02/04/11	02/04/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	02/04/11	02/04/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	02/04/11	02/04/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROFORM	0.20 J	5.0	0.07	ug/L	02/04/11	02/04/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	02/04/11	02/04/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/04/11	02/04/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	02/04/11	02/04/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	02/04/11	02/04/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	02/04/11	02/04/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	02/04/11	02/04/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	02/04/11	02/04/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	02/04/11	02/04/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	02/04/11	02/04/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	02/04/11	02/04/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	02/04/11	02/04/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	02/04/11	02/04/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	110	70-120		%	02/04/11	02/04/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	91.6	75-120		%	02/04/11	02/04/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	85-120		%	02/04/11	02/04/11

J = Estimated value.

Quant Method: T8MFW_20.M
Run #: 0204T10
Instrument: Thor
Sequence: T110203
Dilution Factor: 1
Initials: SV

Printed: 03/10/11 9:31:49 AM
APPL-F1-SC-NoMC-REG MDLs

AMENDED PAGE

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63731

Sample ID: 9-541

APPL ID: AY30700

Sample Collection Date: 01/25/11

QCG: #87WLL-110128A-151893

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	01/28/11	01/31/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	01/28/11	01/31/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	NAPHTHALENE	0.071 J	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	01/28/11	01/31/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	61.0	50-110		%	01/28/11	01/31/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	69.6	40-110		%	01/28/11	01/31/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	71.0	50-135		%	01/28/11	01/31/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 0130L006
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/09/11 4:04:28 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-539

Sample Collection Date: 01/25/11

ARF: 63731

APPL ID: AY30701

QCG: #87WLL-110128A-151893

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	01/28/11	01/31/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	01/28/11	01/31/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	01/28/11	01/31/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	01/28/11	01/31/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	01/28/11	01/31/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	01/28/11	01/31/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	52.5	50-110		%	01/28/11	01/31/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	57.1	40-110		%	01/28/11	01/31/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	69.6	50-135		%	01/28/11	01/31/11

Quant Method: SIM2.M
Run #: 0130L007
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/09/11 4:04:28 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63731

Sample ID: 9-541

APPL ID: AY30700

Sample Collection Date: 01/25/11

QCG: #GSWCT-110204A-151905

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	02/04/11	02/04/11
8015	SURROGATE: BFB-FID (S)	97.8	70-130		%	02/04/11	02/04/11

Quant Method: HBTXGM.M
Run #: 0204H08
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 02/09/11 4:04:28 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63731

Sample ID: 9-539

APPL ID: AY30701

Sample Collection Date: 01/25/11

QCG: #GSWCT-110204A-151905

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	02/04/11	02/04/11
8015	SURROGATE: BFB-FID (S)	94.4	70-130		%	02/04/11	02/04/11

Quant Method: HBTXGM.M
Run #: 0204H09
Instrument: Harpo
Sequence: 100618
Dilution Factor: 1
Initials: LF

Printed: 02/09/11 4:04:28 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-541

Sample Collection Date: 01/25/11

ARF: 63731

APPL ID: AY30700

QCG: #TPMFW-110201A-151953

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	02/01/11	02/10/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	02/01/11	02/10/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	02/01/11	02/10/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	02/01/11	02/10/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	79.1	47-140		%	02/01/11	02/10/11

Quant Method: TPHD0117.M
Run #: 209027
Instrument: Apollo
Sequence: 110209
Dilution Factor: 1
Initials: LA

Printed: 02/10/11 5:40:28 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site

ARF: 63731

Sample ID: 9-539

APPL ID: AY30701

Sample Collection Date: 01/25/11

QCG: #TPMFW-110201A-151953

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	02/01/11	02/10/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	02/01/11	02/10/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	02/01/11	02/10/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	02/01/11	02/10/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	72.7	47-140		%	02/01/11	02/10/11

Quant Method: TPHD0117.M
Run #: 209028
Instrument: Apollo
Sequence: 110209
Dilution Factor: 1
Initials: LA

Printed: 02/10/11 5:40:28 PM
APPL-F1-SC-NoMC-REG MDLs



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER **30920**



PROJECT NAME <i>CTOQ Petro Sites</i>		PURCHASE ORDER NO. <i>1042813-3</i>		ANALYSES REQUIRED				LABORATORY NAME <i>ADPL</i>		Project Information Section Do not submit to Laboratory																																						
PROJECT LOCATION <i>MisWCH field</i>		PROJECT NO. <i>3570 009 E</i>		<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																											LABORATORY ID (FOR LABORATORY) <i>63747</i>	
SAMPLER NAME <i>D. Morrison</i>		AIRBILL NUMBER <i>COX10V</i>		COMMENTS		LOCATION		DEPTH		QC																																						
PROJECT CONTACT <i>Sabrina Sordoko</i>		PROJECT CONTACT PHONE NUMBER <i>419 801-5022</i>		START		END																																										
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYPE	TAT																																									
				3	4																																											
<i>9-531</i>	<i>126-11</i>	<i>0830</i>	<i>2</i>	<i>X</i>		<i>W/DL</i>		<i>X</i>										<i>WZR-4</i>	<i>4.9</i>	<i>9.4</i>	<i>N</i>																											
<i>9-532</i>	<i>↓</i>	<i>0945</i>	<i>2</i>	<i>↓</i>		<i>↓</i>		<i>↓</i>										<i>WZR-5</i>	<i>4</i>	<i>9</i>	<i>N</i>																											
<i>9-533</i>	<i>↓</i>	<i>1110</i>	<i>2</i>	<i>↓</i>		<i>↓</i>		<i>↓</i>										<i>WZR6</i>	<i>5</i>	<i>10</i>	<i>N</i>																											
<i>9-EB39</i>	<i>↓</i>	<i>1300</i>	<i>2</i>	<i>↓</i>		<i>↓</i>		<i>↓</i>										<i>Equipment B</i>	<i>-</i>	<i>-</i>	<i>EB</i>																											
<i>ADPL</i>												SAMPLING COMMENT: <i>CTOQ Petro Sites #1</i> <i>Jan 2011</i>																																				
RELINQUISHED BY (Signature) <i>[Signature]</i>		DATE <i>1-26-11</i>		RECEIVED BY (Signature) <i>[Signature]</i>		LABORATORY INSTRUCTIONS/COMMENTS																																										
COMPANY <i>ADPL</i>		TIME <i>15:20</i>		COMPANY <i>ADPL LABS</i>		COMPOSITE DESCRIPTION																																										
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																																										
COMPANY		TIME		COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																																										
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																																										
COMPANY		TIME		COMPANY																																												

White - Laboratory; Pink - Laboratory; Canary - Project File; Manila - Data Management

EPA 8015B TPhE Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-531

Sample Collection Date: 1/26/2011

ARF: 63747

APPL ID: AY30766

QCG: #TPMFW-110201A-151953

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	2/1/2011	2/10/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	75.9	47-140		%	2/1/2011	2/10/2011

Quant Method: TPHD0117.M
Run #: 209030
Instrument: Apollo
Sequence: 110209
Dilution Factor: 1
Initials: LA

Printed: 2/18/2011 11:14:06 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E Moffett Petroleum Site
Sample ID: 9-532
Sample Collection Date: 1/26/2011

ARF: 63747
APPL ID: AY30767
QCG: #TPMFW-110201A-151953

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	2/1/2011	2/10/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	79.3	47-140		%	2/1/2011	2/10/2011

Quant Method: TPHD0117.M
Run #: 209031
Instrument: Apollo
Sequence: 110209
Dilution Factor: 1
Initials: LA

Printed: 2/18/2011 11:14:06 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E Moffett Petroleum Site

Sample ID: 9-533

Sample Collection Date: 1/26/2011

ARF: 63747

APPL ID: AY30768

QCG: #TPMFW-110201A-151953

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	2/1/2011	2/10/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	2/1/2011	2/10/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	83.2	47-140		%	2/1/2011	2/10/2011

Quant Method: TPHD0117.M
Run #: 209032
Instrument: Apollo
Sequence: 110209
Dilution Factor: 1
Initials: LA

Printed: 2/18/2011 11:14:06 AM
APPL-F1-SC-NoMC-REG MDLs



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30923

CHAIN-OF-CUSTODY RECORD

ENTERED

PROJECT NAME CT09 Petro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED								LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory								
PROJECT LOCATION Moffett Field		PROJECT NO. 3570.009-E		8000B VOL'S TPH-P TAN-E SODC-PAN'S								LABORATORY ID (FOR LABORATORY) 64371										
SAMPLER NAME D. Harrison		AIRBILL NUMBER Courier																				
PROJECT CONTACT Sabina Surdoko		PROJECT CONTACT PHONE NUMBER 949-809-5022																				
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		T Y P E	T A T	COMMENTS								LOCATION	DEPTH		QC			
				3	4												START	END				
9-7834	4-12-11	0845	6	X		W	10d	X	X									Trip Blank	-	-	TB	
9-547	4-17-11	0900	23	X		W	10d	X	X	X	X							MS/MSD	WS8-1	12	17	MS
9-552	4-12-11	1145	9	X		W	10d	X	X	X	X								WS8-5	7.5	12.5	N
9-550	4-12-11	1455	9	X		W	10d	X	X	X	X								WS8-3	6.5	11.5	N
9-EB4D	4-12-11	1600	9	X		W	10d	X	X	X	X							Unpreserved	Equipment Blank	-	-	EB
Signature																						
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS								SAMPLING COMMENT: CT09 Petro Sites April '11								
COMPANY		TIME		COMPANY		COMPOSITE DESCRIPTION																
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)																		
COMPANY		TIME		COMPANY																		
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																
COMPANY		TIME		COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-547

APPL ID: AY35465

Sample Collection Date: 04/12/11

QCG: #86MFW-110413AT-154478

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	04/13/11	04/13/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	04/13/11	04/13/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	04/13/11	04/13/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	04/13/11	04/13/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	04/13/11	04/13/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	04/13/11	04/13/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	04/13/11	04/13/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	04/13/11	04/13/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	04/13/11	04/13/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROETHENE	Not detected	5.0	0.21	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	04/13/11	04/13/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	04/13/11	04/13/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	04/13/11	04/13/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	04/13/11	04/13/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	04/13/11	04/13/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	04/13/11	04/13/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	04/13/11	04/13/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	04/13/11	04/13/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	04/13/11	04/13/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	101	70-120		%	04/13/11	04/13/11
EPA 8260B	SURROGATE: 4-BROMOFLUORO BEN	84.8	75-120		%	04/13/11	04/13/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	88.0	85-120		%	04/13/11	04/13/11

Quant Method: T86MFW.M
Run #: 0413T10
Instrument: Thor
Sequence: T110412
Dilution Factor: 1
Initials: SV

Printed: 04/26/11 3:34:01 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-552

APPL ID: AY35466

Sample Collection Date: 04/12/11

QCG: #86MFW-110413AT-154478

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	04/13/11	04/13/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	04/13/11	04/13/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	04/13/11	04/13/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	04/13/11	04/13/11
EPA 8260B	2-BUTANONE	3.9 J	5.0	0.60	ug/L	04/13/11	04/13/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	04/13/11	04/13/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	04/13/11	04/13/11
EPA 8260B	ACETONE	4.8 B J	50	0.9	ug/L	04/13/11	04/13/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	04/13/11	04/13/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROENZENE	Not detected	5.0	0.21	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	04/13/11	04/13/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	04/13/11	04/13/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	04/13/11	04/13/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	04/13/11	04/13/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	04/13/11	04/13/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	04/13/11	04/13/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	04/13/11	04/13/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	04/13/11	04/13/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	04/13/11	04/13/11
EPA 8260B	XYLENES	2.0	1.5	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	103	70-120		%	04/13/11	04/13/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	86.4	75-120		%	04/13/11	04/13/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	89.1	85-120		%	04/13/11	04/13/11

J = Estimated value.

B = The analyte was found in a method blank, as well as in the sample.

Quant Method: T86MFW.M
Run #: 0413T11
Instrument: Thor
Sequence: T110412
Dilution Factor: 1
Initials: SV

Printed: 04/26/11 3:34:01 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-550

APPL ID: AY35467

Sample Collection Date: 04/12/11

QCG: #86MFW-110413AT-154478

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	04/13/11	04/13/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	04/13/11	04/13/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	04/13/11	04/13/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	04/13/11	04/13/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	04/13/11	04/13/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	04/13/11	04/13/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	04/13/11	04/13/11
EPA 8260B	ACETONE	1.6 B J	50	0.9	ug/L	04/13/11	04/13/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	04/13/11	04/13/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	04/13/11	04/13/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROENZENE	Not detected	5.0	0.21	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	04/13/11	04/13/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	04/13/11	04/13/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	04/13/11	04/13/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	04/13/11	04/13/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	04/13/11	04/13/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	04/13/11	04/13/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	04/13/11	04/13/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	04/13/11	04/13/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	04/13/11	04/13/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/13/11	04/13/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	04/13/11	04/13/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	04/13/11	04/13/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	104	70-120		%	04/13/11	04/13/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROEN	89.4	75-120		%	04/13/11	04/13/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	92.9	85-120		%	04/13/11	04/13/11

J = Estimated value.

B = The analyte was found in a method blank, as well as in the sample.

Quant Method: T86MFW.M
Run #: 0413T12
Instrument: Thor
Sequence: T110412
Dilution Factor: 1
Initials: SV

Printed: 04/26/11 3:34:01 PM

APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-547

APPL ID: AY35465

Sample Collection Date: 04/12/11

QCG: #87WLL-110413A-154297

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	52.8	50-110		%	04/13/11	04/16/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	73.1	40-110		%	04/13/11	04/16/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	54.1	50-135		%	04/13/11	04/16/11

Quant Method: SIM2.M
Run #: 0415L033
Instrument: Linus
Sequence: L110302
Dilution Factor: 1
Initials: LF

Printed: 04/26/11 3:28:36 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-552

APPL ID: AY35466

Sample Collection Date: 04/12/11

QCG: #87WLL-110413A-154297

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	54.4	50-110		%	04/13/11	04/16/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	57.2	40-110		%	04/13/11	04/16/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	57.5	50-135		%	04/13/11	04/16/11

Quant Method: SIM2.M
Run #: 0415L036
Instrument: Linus
Sequence: L110302
Dilution Factor: 1
Initials: LF

Printed: 04/26/11 3:28:37 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-550

APPL ID: AY35467

Sample Collection Date: 04/12/11

QCG: #87WLL-110413A-154297

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	04/13/11	04/16/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	04/13/11	04/16/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	04/13/11	04/16/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	04/13/11	04/16/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	60.5	50-110		%	04/13/11	04/16/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	64.8	40-110		%	04/13/11	04/16/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	56.1	50-135		%	04/13/11	04/16/11

Quant Method: SIM2.M
Run #: 0415L037
Instrument: Linus
Sequence: L110302
Dilution Factor: 1
Initials: LF

Printed: 04/26/11 3:28:37 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-547

Sample Collection Date: 04/12/11

ARF: 64371

APPL ID: AY35465

QCG: #GSWCT-110415A-154499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	04/15/11	04/15/11
8015	SURROGATE: BFB-FID (S)	119	70-130		%	04/15/11	04/15/11

Quant Method: HGAS.M
Run #: 0415H08
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 04/26/11 3:19:50 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-552

Sample Collection Date: 04/12/11

ARF: 64371

APPL ID: AY35466

QCG: #GSWCT-110415A-154499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	04/15/11	04/15/11
8015	SURROGATE: BFB-FID (S)	127	70-130		%	04/15/11	04/15/11

Quant Method: HGAS.M
Run #: 0415H09
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 04/26/11 3:19:50 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-550

Sample Collection Date: 04/12/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 64371

APPL ID: AY35467

QCG: #GSWCT-110415A-154499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	04/15/11	04/15/11
8015	SURROGATE: BFB-FID (S)	113	70-130		%	04/15/11	04/15/11

Quant Method: HGAS.M
Run #: 0415H10
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 04/26/11 3:19:50 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-547

Sample Collection Date: 04/12/11

APPL Inc.

908 North Temperance Avenue
Clovis, CA 93611

ARF: 64371

APPL ID: AY35465

QCG: #TPMFW-110413A-154480

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/13/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	94.5	47-140		%	04/13/11	04/26/11

Quant Method: DM22K425.M
Run #: 425039
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/26/11 3:32:36 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-552

APPL ID: AY35466

Sample Collection Date: 04/12/11

QCG: #TPMFW-110413A-154480

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/13/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	94.1	47-140		%	04/13/11	04/26/11

Quant Method: DM22K425.M
Run #: 425040
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/26/11 3:32:36 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64371

Sample ID: 9-550

APPL ID: AY35467

Sample Collection Date: 04/12/11

QCG: #TPMFW-110413A-154480

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/13/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/13/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	91.5	47-140		%	04/13/11	04/26/11

Quant Method: DM22K425.M
Run #: 425041
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/26/11 3:32:37 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30924

ENTERED

CHAIN-OF-CUSTODY RECORD

PROJECT NAME CT09 Petro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED						LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory		
PROJECT LOCATION Moffett Field		PROJECT NO. 3510-009-E		8260B-MAC'S TPA-P TPA-E 8270E-PANS						LABORATORY ID (FOR LABORATORY) 64384				
SAMPLER NAME Danae Harrison		AIRBILL NUMBER COMPLI								COMMENTS				
PROJECT CONTACT Whana Sudoko		PROJECT CONTACT PHONE NUMBER 949-831-5072								LOCATION				
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYPE	T	A	T	COMMENTS	LOCATION	DEPTH		QC
				3	4							START	END	
9-7835	4-13-11	0800	6	X		W	10d				Trip Blank			TB
9-548		0850	6	X							W58-2	8	11	N
9-549		0900	6	X							W58-2	8	11	FD
9-551		1005	9	X							W58-4	7.7	12.7	N
9-544		1145	2	X							WZR-6	5	10	N
9-543		1405	2	X							WZR-5	4	9	N
9-542		1500	2	X							WZR-4	4.9	9.9	N
9-EB41		1550	9	X							EB-Equipment Blank			EB
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS									
COMPANY		TIME	COMPANY		COMPOSITE DESCRIPTION									
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)									
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN									
SAMPLING COMMENT: CT09 Petro Sites H April -'11														

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64384

Sample ID: 9-548

APPL ID AY35545

Sample Collection Date: 04/13/11

QCG: #86MFW-110414AC-154379

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	04/14/11	04/14/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	04/14/11	04/14/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	04/14/11	04/14/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	04/14/11	04/14/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	04/14/11	04/14/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	04/14/11	04/14/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	04/14/11	04/14/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	04/14/11	04/14/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	04/14/11	04/14/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROETHENE	Not detected	5.0	0.21	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	04/14/11	04/14/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	04/14/11	04/14/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	04/14/11	04/14/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	04/14/11	04/14/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	04/14/11	04/14/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	04/14/11	04/14/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	04/14/11	04/14/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	04/14/11	04/14/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	04/14/11	04/14/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	116	70-120		%	04/14/11	04/14/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROB	94.4	75-120		%	04/14/11	04/14/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	94.3	85-120		%	04/14/11	04/14/11

Quant Method: C86ETW25.M
Run #: 0414C07
Instrument: Chico
Sequence: C110412
Dilution Factor: 1
Initials: DG

Printed: 04/27/11 5:14:42 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64384

Sample ID: 9-549

APPL ID AY35546

Sample Collection Date: 04/13/11

QCG: #86MFW-110414AC-154379

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	04/14/11	04/14/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	04/14/11	04/14/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	04/14/11	04/14/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	04/14/11	04/14/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	04/14/11	04/14/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	04/14/11	04/14/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	04/14/11	04/14/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	04/14/11	04/14/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	04/14/11	04/14/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	04/14/11	04/14/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	04/14/11	04/14/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	04/14/11	04/14/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	04/14/11	04/14/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	04/14/11	04/14/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	04/14/11	04/14/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	04/14/11	04/14/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	04/14/11	04/14/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	04/14/11	04/14/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	106	70-120		%	04/14/11	04/14/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	91.2	75-120		%	04/14/11	04/14/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	93.4	85-120		%	04/14/11	04/14/11

Quant Method: C86ETW25.M
Run #: 0414C08
Instrument: Chico
Sequence: C110412
Dilution Factor: 1
Initials: DG

Printed: 04/27/11 5:14:42 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64384

Sample ID: 9-551

APPL ID AY35547

Sample Collection Date: 04/13/11

QCG: #86MFW-110414AC-154379

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	04/14/11	04/14/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	04/14/11	04/14/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	04/14/11	04/14/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	04/14/11	04/14/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	04/14/11	04/14/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	04/14/11	04/14/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	04/14/11	04/14/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	04/14/11	04/14/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	04/14/11	04/14/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	04/14/11	04/14/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROETHENE	Not detected	5.0	0.21	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	04/14/11	04/14/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	04/14/11	04/14/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	04/14/11	04/14/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	04/14/11	04/14/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	04/14/11	04/14/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	04/14/11	04/14/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	04/14/11	04/14/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	04/14/11	04/14/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	04/14/11	04/14/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	04/14/11	04/14/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	04/14/11	04/14/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	04/14/11	04/14/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	105	70-120		%	04/14/11	04/14/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	93.0	75-120		%	04/14/11	04/14/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.6	85-120		%	04/14/11	04/14/11

Quant Method: C86ETW25.M
Run #: 0414C09
Instrument: Chico
Sequence: C110412
Dilution Factor: 1
Initials: DG

Printed: 04/27/11 5:14:42 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-551

Sample Collection Date: 04/13/11

ARF: 64384

APPL ID AY35547

QCG: #87WLL-110415A-154556

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	04/15/11	04/21/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	04/15/11	04/21/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	04/15/11	04/21/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S	53.8	50-110		%	04/15/11	04/21/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S	72.8	40-110		%	04/15/11	04/21/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	66.5	50-135		%	04/15/11	04/21/11

Quant Method: SIM2.M
Run #: 0420L014
Instrument: Linus
Sequence: L110420
Dilution Factor: 1
Initials: LF

Printed: 04/27/11 5:14:42 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-548

Sample Collection Date: 04/13/11

ARF: 64384

APPL ID AY35545

QCG: #GSWCT-110415A-154499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	04/16/11	04/16/11
8015	SURROGATE: BFB-FID (S)	117	70-130		%	04/16/11	04/16/11

Quant Method: HGAS.M
Run #: 0415H13
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 04/27/11 5:14:42 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-549
Sample Collection Date: 04/13/11

ARF: 64384
APPL ID AY35546
QCG: #GSWCT-110415A-154499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	04/16/11	04/16/11
8015	SURROGATE: BFB-FID (S)	130	70-130		%	04/16/11	04/16/11

Quant Method: HGAS.M
Run #: 0415H14
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 04/27/11 5:14:42 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-551

Sample Collection Date: 04/13/11

ARF: 64384

APPL ID AY35547

QCG: #GSWCT-110415A-154499

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	04/16/11	04/16/11
8015	SURROGATE: BFB-FID (S)	93.7	70-130		%	04/16/11	04/16/11

Quant Method: HGAS.M
Run #: 0415H16
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 04/27/11 5:14:42 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-551

Sample Collection Date: 04/13/11

ARF: 64384

APPL ID AY35547

QCG: #TPMFW-110418A-154515

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/18/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	90.1	47-140		%	04/18/11	04/26/11

Quant Method: DM22K425.M
Run #: 425059
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/27/11 5:14:43 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-544

Sample Collection Date: 04/13/11

ARF: 64384

APPL ID AY35548

QCG: #TPMFW-110418A-154515

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/18/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	89.4	47-140		%	04/18/11	04/26/11

Quant Method: DM22K425.M
Run #: 425060
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/27/11 5:14:43 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-543

Sample Collection Date: 04/13/11

ARF: 64384

APPL ID AY35549

QCG: #TPMFW-110418A-154515

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/18/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	74.5	47-140		%	04/18/11	04/26/11

Quant Method: DM22K425.M
Run #: 425061
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/27/11 5:14:43 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-542

Sample Collection Date: 04/13/11

ARF: 64384

APPL ID AY35550

QCG: #TPMFW-110418A-154515

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/18/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	83.4	47-140		%	04/18/11	04/26/11

Quant Method: DM22K425.M
Run #: 425062
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/27/11 5:14:43 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 30925



CHAIN-OF-CUSTODY RECORD

PROJECT NAME CT09 Petro Sites		PURCHASE ORDER NO. 1042813-3				ANALYSES REQUIRED						LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory							
PROJECT LOCATION Morlett Field		PROJECT NO. 3570.009.E				TPHE 7CEB 8270C PAN'S						LABORATORY ID (FOR LABORATORY) 64394									
SAMPLER NAME Dwight Harrison		AIRBILL NUMBER COUNTR										COMMENTS					LOCATION		DEPTH		QC
PROJECT CONTACT Sabina Sudolko		PROJECT CONTACT PHONE NUMBER 949-909-5022				START		END													
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYPE	TAT														
				3	4													START	END	QC	
9-546	4-14-11	0940	2	X		W	10d	X										WZR-8	4.6	9.4	N
9-545	↓	1045	2	X		↓	↓	X										WZR-7	4	7.5	N
9-EB42	↓	1220	3	X		↓	↓	XX										Equipment Blank	-		EB
9-548A	↓	0805	3	X		↓	↓	XX										W58-2	8	11	N
REMOVED																					
RELINQUISHED BY (Signature) [Signature]		DATE 4-14-11	RECEIVED BY (Signature) [Signature]		LABORATORY INSTRUCTIONS/COMMENTS												SAMPLING COMMENT: CT09 Petro Sites H April - '11				
COMPANY Tetra Tech		TIME 14:45	COMPANY APPL LABS		COMPOSITE DESCRIPTION																
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64394

Sample ID: 9-546

APPL ID AY35629

Sample Collection Date: 04/14/11

QCG: #TPMFW-110418A-154515

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/18/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	72.1	47-140		%	04/18/11	04/26/11

Quant Method: DM22K425.M
Run #: 425066
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/28/11 5:23:43 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64394

Sample ID: 9-545

APPL ID AY35630

Sample Collection Date: 04/14/11

QCG: #TPMFW-110418A-154515

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/18/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	77.7	47-140		%	04/18/11	04/26/11

Quant Method: DM22K425.M
Run #: 425070
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/28/11 5:23:43 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64394

Sample ID: 9-548A

APPL ID AY35632

Sample Collection Date: 04/14/11

QCG: #TPMFW-110418A-154515

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	04/18/11	04/26/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	04/18/11	04/26/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	82.1	47-140		%	04/18/11	04/26/11

Quant Method: DM22K425.M
Run #: 425072
Instrument: Apollo
Sequence: 110425
Dilution Factor: 1
Initials: LA

Printed: 04/28/11 5:23:43 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 64394

Sample ID: 9-548A

APPL ID AY35632

Sample Collection Date: 04/14/11

QCG: #87WLL-110415A-154556

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	0.13 J	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	BENZO(B)FLUORANTHENE	0.089 J	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	04/15/11	04/21/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	CHRYSENE	0.070 J	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	FLUORANTHENE	0.081 J	0.2	0.08	ug/L	04/15/11	04/21/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	04/15/11	04/21/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	NAPHTHALENE	0.094 J	0.2	0.05	ug/L	04/15/11	04/21/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	04/15/11	04/21/11
8270CLL	PYRENE	0.096 J	0.2	0.08	ug/L	04/15/11	04/21/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S	50.2	50-110		%	04/15/11	04/21/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S	65.3	40-110		%	04/15/11	04/21/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	54.7	50-135		%	04/15/11	04/21/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 0420L018
Instrument: Linus
Sequence: L110420
Dilution Factor: 1
Initials: LF

Printed: 04/28/11 5:23:43 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 31172

ENTERED

PROJECT NAME		PURCHASE ORDER NO.			ANALYSES REQUIRED							LABORATORY NAME		Project Information Section Do not submit to Laboratory										
PROJECT LOCATION		PROJECT NO.			TPH EXT.								APPL											
SAMPLER NAME		AIRBILL NUMBER															LABORATORY ID (FOR LABORATORY)							
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER															COMMENTS		LOCATION		DEPTH		QC	
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL										T	P	T	A	T	START	END				
CTOR Petro Sites	1042813-3																							
M. Watt Field	3570.009 E																							
Larry Dubois	COURTESY																							
Schwarz, J. J.	949-809-5022																							
9-553	7-26-11	1534	2	X		W	10d	X																
9-554	↓	1620	2	X				X																
9-EB43	↓	1640	2	X				X																
9-555	7-27-11	0825	2	X				X																
9-559B	↓	1320	1	X				X																
9-557	↓	1100	2	X				X																

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS																					
APPL	7-27-11	APPL																						
COMPANY	TIME	COMPANY	COMPOSITE DESCRIPTION																					
APPL	1525	APPL																						
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																					
APPL		APPL	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																					
COMPANY	TIME	COMPANY	COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																					
			SAMPLING COMMENT: CTOR Petro Sites July 2011 H																					

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-553

Sample Collection Date: 07/26/11

ARF: 65260

APPL ID AY43192

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	89.2	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811009
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-554

Sample Collection Date: 07/26/11

ARF: 65260

APPL ID AY43193

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	86.4	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811010
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-555

Sample Collection Date: 07/27/11

ARF: 65260

APPL ID AY43195

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	85.5	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811012
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-559B

Sample Collection Date: 07/27/11

ARF: 65260

APPL ID AY43196

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	87.7	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811013
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-557

Sample Collection Date: 07/27/11

ARF: 65260

APPL ID AY43197

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	86.6	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811014
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31173

CHAIN-OF-CUSTODY RECORD

ENTERED

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME	Project Information Section Do not submit to Laboratory						
PROJECT LOCATION		PROJECT NO.		Blow Vials	TPH - Pure	TPH - EXT	Blow PAM'S											LABORATORY ID (FOR LABORATORY)			
SAMPLER NAME		AIRBILL NUMBER																COMMENTS			
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																LOCATION	DEPTH		QC
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER					LEVEL		TYPE	T A T										
CT09 Petro Sites		1042813-3												APPL							
Marfett		3570.009 E												65276	8-11						
Larry Rodus / D.H.		Couniper																			
Sabina Sulekko		919-209-5022																			
9-556	7-27-11	0912	1	X														WZR-7	4	7.5	N
9-TB36		1245	6	X				X	X									Trip Blank	-	-	TB
9-559		1320	10	X				X	X	X					dry TPH - E			WS8-2	8	11	N
9-558		1420	30	X				X	X	X					MS/MSDS			WS8-1	12	17	N
9-560	7-28-11	0850	10	X				X	X	X								WS8-3	6.5	11.5	N
9-561		0900	10	X				X	X	X								WS8-3	6.5	11.5	FD
9-562		1030	10	X				X	X	X								WS8-4	7.7	12.7	N
9-563		1135	8	X				X	X	X								WS8-5	7.5	12.5	N
9-EB44		1350	10	X				X	X	X					VQA's * Unpreserved!			Equip. Blank	-	-	EB
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT: CT09 Petro Sites July 2011						
COMPANY		TIME	COMPANY																		
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																
COMPANY		TIME	COMPANY																		
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65276

Sample ID: 9-559

APPL ID AY43297

Sample Collection Date: 07/27/11

QCG: #86MFW-110809AC-158169

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	08/10/11	08/10/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	08/10/11	08/10/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	08/10/11	08/10/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	08/10/11	08/10/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	08/10/11	08/10/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	08/10/11	08/10/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	105	70-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROB	106	75-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.5	85-120		%	08/10/11	08/10/11

Quant Method: C86MFW.M
Run #: 0809C18
Instrument: Chico
Sequence: C110805
Dilution Factor: 1
Initials: DG

Printed: 08/15/11 11:37:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65276

Sample ID: 9-558

APPL ID AY43298

Sample Collection Date: 07/27/11

QCG: #86MFW-110809AN-158196

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	08/10/11	08/10/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	08/10/11	08/10/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	08/10/11	08/10/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	08/10/11	08/10/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	08/10/11	08/10/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	08/10/11	08/10/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	95.8	70-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	115	75-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	110	85-120		%	08/10/11	08/10/11

Quant Method: N86DODW.M
Run #: 0809N24
Instrument: Neo
Sequence: N110809
Dilution Factor: 1
Initials: ARS

Printed: 08/15/11 11:37:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-560

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43299

QCG: #86MFW-110809AN-158196

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	08/10/11	08/10/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	08/10/11	08/10/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	08/10/11	08/10/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	08/10/11	08/10/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	08/10/11	08/10/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	08/10/11	08/10/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	99.5	70-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	112	75-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	105	85-120		%	08/10/11	08/10/11

Quant Method: N86DODW.M
Run #: 0809N25
Instrument: Neo
Sequence: N110809
Dilution Factor: 1
Initials: ARS

Printed: 08/15/11 11:37:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65276

Sample ID: 9-561

APPL ID AY43300

Sample Collection Date: 07/28/11

QCG: #86MFW-110809BC-158170

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	08/10/11	08/10/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	08/10/11	08/10/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	08/10/11	08/10/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	08/10/11	08/10/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	08/10/11	08/10/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	08/10/11	08/10/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	94.2	70-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	96.9	75-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.3	85-120		%	08/10/11	08/10/11

Quant Method: C86MFW.M
Run #: 0809C27
Instrument: Chico
Sequence: C110805
Dilution Factor: 1
Initials: DG

Printed: 08/15/11 11:37:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65276

Sample ID: 9-562

APPL ID AY43301

Sample Collection Date: 07/28/11

QCG: #86MFW-110809BC-158170

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	08/10/11	08/10/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	08/10/11	08/10/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	08/10/11	08/10/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	08/10/11	08/10/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	08/10/11	08/10/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROENZENE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	08/10/11	08/10/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	08/10/11	08/10/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	08/10/11	08/10/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	08/10/11	08/10/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	08/10/11	08/10/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/10/11	08/10/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	08/10/11	08/10/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	08/10/11	08/10/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	92.1	70-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROB	96.8	75-120		%	08/10/11	08/10/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	95.7	85-120		%	08/10/11	08/10/11

Quant Method: C86MFW.M
Run #: 0809C28
Instrument: Chico
Sequence: C110805
Dilution Factor: 1
Initials: DG

Printed: 08/15/11 11:37:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65276

Sample ID: 9-563

APPL ID AY43302

Sample Collection Date: 07/28/11

QCG: #86MFW-110803AS-158198

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	08/03/11	08/03/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	08/03/11	08/03/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	08/03/11	08/03/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	08/03/11	08/03/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	08/03/11	08/03/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	08/03/11	08/03/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	08/03/11	08/03/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	08/03/11	08/03/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	08/03/11	08/03/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	08/03/11	08/03/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	08/03/11	08/03/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	08/03/11	08/03/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	08/03/11	08/03/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	08/03/11	08/03/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	08/03/11	08/03/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	08/03/11	08/03/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	08/03/11	08/03/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	08/03/11	08/03/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	08/03/11	08/03/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	08/03/11	08/03/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/03/11	08/03/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	08/03/11	08/03/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	08/03/11	08/03/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	08/03/11	08/03/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	08/03/11	08/03/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	08/03/11	08/03/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	08/03/11	08/03/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	08/03/11	08/03/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	08/03/11	08/03/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	08/03/11	08/03/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	08/03/11	08/03/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	08/03/11	08/03/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	08/03/11	08/03/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	08/03/11	08/03/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	98.7	70-120		%	08/03/11	08/03/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	94.2	75-120		%	08/03/11	08/03/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-120		%	08/03/11	08/03/11

Quant Method: S86DODW.M
Run #: 0803S21
Instrument: Sweetpea
Sequence: S110803
Dilution Factor: 1
Initials: ARS

Printed: 08/15/11 11:37:57 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-558

Sample Collection Date: 07/27/11

ARF: 65276

APPL ID AY43298

QCG: #87WLL-110803A-158077

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	64.8	50-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	53.6	40-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	60.4	50-135		%	08/03/11	08/06/11

Quant Method: SIM2.M
Run #: 0805L019
Instrument: Linus
Sequence: L110621
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-560

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43299

QCG: #87WLL-110803A-158077

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S	58.0	50-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S	68.9	40-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	56.6	50-135		%	08/03/11	08/06/11

Quant Method: SIM2.M
Run #: 0805L020
Instrument: Linus
Sequence: L110621
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-561

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43300

QCG: #87WLL-110803A-158077

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S	60.7	50-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S	52.2	40-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	70.0	50-135		%	08/03/11	08/06/11

Quant Method: SIM2.M
Run #: 0805L021
Instrument: Linus
Sequence: L110621
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-562

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43301

QCG: #87WLL-110803A-158077

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	56.5	50-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	52.2	40-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	63.6	50-135		%	08/03/11	08/06/11

Quant Method: SIM2.M
Run #: 0805L022
Instrument: Linus
Sequence: L110621
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-563

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43302

QCG: #87WLL-110803A-158077

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	08/03/11	08/06/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	08/03/11	08/06/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	08/03/11	08/06/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	08/03/11	08/06/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S	57.2	50-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S	72.0	40-110		%	08/03/11	08/06/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	51.6	50-135		%	08/03/11	08/06/11

Quant Method: SIM2.M
Run #: 0805L023
Instrument: Linus
Sequence: L110621
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-559
Sample Collection Date: 07/27/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65276
APPL ID AY43297
QCG: #GSWCT-110803A-158083

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	08/03/11	08/03/11
8015	SURROGATE: BFB-FID (S)	86.7	70-130		%	08/03/11	08/03/11

Quant Method: HGAS.M
Run #: 0803H07
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-558
Sample Collection Date: 07/27/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65276
APPL ID AY43298
QCG: #GSWCT-110803A-158083

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	08/03/11	08/03/11
8015	SURROGATE: BFB-FID (S)	78.4	70-130		%	08/03/11	08/03/11

Quant Method: HGAS.M
Run #: 0803H08
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-560

Sample Collection Date: 07/28/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65276

APPL ID AY43299

QCG: #GSWCT-110803A-158083

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	08/03/11	08/03/11
8015	SURROGATE: BFB-FID (S)	91.5	70-130		%	08/03/11	08/03/11

Quant Method: HGAS.M

Run #: 0803H09

Instrument: Harpo

Sequence: 110217

Dilution Factor: 1

Initials: LF

Printed: 08/11/11 5:26:33 PM

APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65276

Sample ID: 9-561

APPL ID AY43300

Sample Collection Date: 07/28/11

QCG: #GSWCT-110803A-158083

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	08/03/11	08/03/11
8015	SURROGATE: BFB-FID (S)	80.8	70-130		%	08/03/11	08/03/11

Quant Method: HGAS.M
Run #: 0803H10
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-562
Sample Collection Date: 07/28/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65276
APPL ID AY43301
QCG: #GSWCT-110803A-158083

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	08/03/11	08/03/11
8015	SURROGATE: BFB-FID (S)	80.9	70-130		%	08/03/11	08/03/11

Quant Method: HGAS.M
Run #: 0803H11
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65276

Sample ID: 9-563

APPL ID AY43302

Sample Collection Date: 07/28/11

QCG: #GSWCT-110803A-158083

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	08/03/11	08/03/11
8015	SURROGATE: BFB-FID (S)	82.9	70-130		%	08/03/11	08/03/11

Quant Method: HGAS.M
Run #: 0803H12
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-556

Sample Collection Date: 07/27/11

ARF: 65276

APPL ID AY43295

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	79.5	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811015
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-558

Sample Collection Date: 07/27/11

ARF: 65276

APPL ID AY43298

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	87.8	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811018
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-560

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43299

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	79.2	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811022
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPhE Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-561

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43300

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/12/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/12/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	97.4	47-140		%	08/02/11	08/12/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811023
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPhE Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-562

Sample Collection Date: 07/28/11

ARF: 65276

APPL ID AY43301

QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/13/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/13/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/13/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/13/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	89.4	47-140		%	08/02/11	08/13/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811024
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPhE Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-563
Sample Collection Date: 07/28/11

ARF: 65276
APPL ID AY43302
QCG: #TPMFW-110802A-158280

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	08/02/11	08/13/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	08/02/11	08/13/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	08/02/11	08/13/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	08/02/11	08/13/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	87.4	47-140		%	08/02/11	08/13/11

These results are preliminary and represent information available on 8/16/11 at 5:21pm

Quant Method: RKDM810.M
Run #: 0811025
Instrument: 7890
Sequence: 110811
Dilution Factor: 1
Initials: LA

Printed: 08/16/11 5:21:15 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31174

CHAIN-OF-CUSTODY RECORD



PROJECT NAME C109 Petro Sites		PURCHASE ORDER NO. 10428/3-3		ANALYSES REQUIRED				LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory					
PROJECT LOCATION Moffett		PROJECT NO. LOWIFF		RSK-175 Method only					LABORATORY ID (FOR LABORATORY) 65303				8-11		
SAMPLER NAME Lorry Dudas / D.H.		AIRBILL NUMBER 3570-009.E												LOCATION	
PROJECT CONTACT Sabina Sudoko		PROJECT CONTACT PHONE NUMBER 449-809-5022											DEPTH		
SAMPLE ID XX	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER		LEVEL 3 4	T Y P E	T A T			COMMENTS	START	END	QC		
9-559A	7-27-11	1320	3	X	W	R	X			WS8-2	8	11	N		
9-558A	11	1420	6	X	1	1	X			WS8-1	12	17	N		
9-560A	7-28-11	0850	3	X	1	1	X			WS8-3	6.5	11.5	N		
9-562A	↓	1030	3	X	↓	↓	X		*	WS8-4	7.7	12.7	N		
9-563A	↓	1135	3	X	↓	↓	X		Unpreserved *	WS8-5	7.5	12.5	N		
REMOVED										REMOVED					
RELINQUISHED BY (Signature) <i>[Signature]</i>		DATE 7-28-11	RECEIVED BY (Signature) <i>[Signature]</i>		LABORATORY INSTRUCTIONS/COMMENTS * REVISED SAMPLE ID. 7-29-11 S2							SAMPLING COMMENT: C109 Petro Sites July 2011			
COMPANY Tetra Tech		TIME 1455	COMPANY APPL												
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION										
COMPANY		TIME	COMPANY												
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)										
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN										

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-559A

Sample Collection Date: 07/27/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65303

APPL ID AY43620

QCG: #RSKT-110803A-158085

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	70	1.0	0.25	ug/L	08/03/11	08/03/11

Quant Method: RSK175Q.M
Run #: 0803F005
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-558A

Sample Collection Date: 07/27/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65303

APPL ID AY43621

QCG: #RSKT-110803A-158085

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	14	1.0	0.25	ug/L	08/03/11	08/03/11

Quant Method: RSK175Q.M
Run #: 0803F006
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-560A

Sample Collection Date: 07/28/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65303

APPL ID AY43622

QCG: #RSKT-110803A-158085

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	0.87 J	1.0	0.25	ug/L	08/03/11	08/03/11

J = Estimated value.

Quant Method: RSK175Q.M
Run #: 0803F007
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 106-3570.009.E Moffett Petroleum Sites

ARF: 65303

Sample ID: 9-562A

APPL ID AY43623

Sample Collection Date: 07/28/11

QCG: #RSKT-110803A-158085

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	0.65 J	1.0	0.25	ug/L	08/03/11	08/03/11

J = Estimated value.

Quant Method: RSK175Q.M
Run #: 0803F008
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 106-3570.009.E Moffett Petroleum Sites

Sample ID: 9-563A

Sample Collection Date: 07/28/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65303

APPL ID AY43624

QCG: #RSKT-110803A-158085

<u>Method</u>	<u>Analyte</u>	<u>Result</u>	<u>PQL</u>	<u>MDL</u>	<u>Units</u>	<u>Extraction Date</u>	<u>Analysis Date</u>
RSK 175	METHANE	300	1.0	0.25	ug/L	08/03/11	08/03/11

Quant Method: RSK175Q.M
Run #: 0803F009
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 08/11/11 5:26:33 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31182

ENTERED

CHAIN-OF-CUSTODY RECORD

PROJECT NAME CT09 Various Petro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED 82605 VOK TPH-P TPH-E RSK175 - Melamine						LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory								
PROJECT LOCATION Market Field		PROJECT NO. 3570 009.E								LABORATORY ID (FOR LABORATORY) 65898-RSK175 65889					10-14					
SAMPLER NAME Lanny Dicks / Dennis Harrison		AIRBILL NUMBER Cowies								LABORATORY ID (FOR LABORATORY) 65898-RSK175 65889										
PROJECT CONTACT Sabina Surbeko		PROJECT CONTACT PHONE NUMBER								COMMENTS										
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		T Y P E	T A T							LOCATION	DEPTH		QC			
				3	4										START	END				
9-TR337	10-11-11	0830	6	X		W	10d	X	X								Trip Blank		TB	
9-566		1017	11	X		W	10d	X	X	X	X						S63-SBHP-7	9'	12'	N
9-569		1115	11	X		W	10d	X	X	X	X						S63-SBHP-8	9'	12'	N
9-572		1200	11	X		W	10d	X	X	X	X						S63-SBHP-9	9'	12'	N
9-573		1210	8	X		W	10d	X	X	X							S63-SBHP-9	9'	12'	FD
9-576		1355	11	X		W	10d	X	X	X							S63-SBHP-10	9'	12'	N
9-579		1447	11	X		W	10d	X	X	X							S63-SBHP-11	9'	12'	N
9-582		1532	11	X		W	10d	X	X	X							S63-SBHP-12	9'	12'	N
RELINQUISHED BY (Signature) [Signature]		DATE 10/11/11	RECEIVED BY (Signature) [Signature]		LABORATORY INSTRUCTIONS/COMMENTS						SAMPLING COMMENT: CT09 Petro Sites Sump 63									
COMPANY Tetra	TIME 1640	COMPANY APPL		COMPOSITE DESCRIPTION																
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																
COMPANY	TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-566

Sample Collection Date: 10/4/2011

ARF: 65889

APPL ID: AY47810

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/2011	10/18/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	72.4	47-140		%	10/10/2011	10/18/2011

Quant Method: TPHKAOTP.M
Run #: 1018017
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/31/2011 1:46:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-569

Sample Collection Date: 10/4/2011

ARF: 65889

APPL ID: AY47811

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/2011	10/18/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	77.0	47-140		%	10/10/2011	10/18/2011

Quant Method: TPHKAOTP.M
Run #: 1018018
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/31/2011 1:46:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-572

Sample Collection Date: 10/4/2011

ARF: 65889

APPL ID: AY47812

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/2011	10/18/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	76.7	47-140		%	10/10/2011	10/18/2011

Quant Method: TPHKAOTP.M
Run #: 1018019
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/31/2011 1:46:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-573

APPL ID: AY47813

Sample Collection Date: 10/4/2011

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/2011	10/18/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	72.9	47-140		%	10/10/2011	10/18/2011

Quant Method: TPHKAOTP.M
Run #: 1018020
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/31/2011 1:46:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-576

APPL ID: AY47814

Sample Collection Date: 10/4/2011

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/2011	10/18/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	69.3	47-140		%	10/10/2011	10/18/2011

Quant Method: TPHKAOTP.M
Run #: 1018021
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/31/2011 1:46:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-579

Sample Collection Date: 10/4/2011

ARF: 65889

APPL ID: AY47815

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/2011	10/18/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	58.7	47-140		%	10/10/2011	10/18/2011

Quant Method: TPHKAOTP.M
Run #: 1018022
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/31/2011 1:46:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-582

Sample Collection Date: 10/4/2011

ARF: 65889

APPL ID: AY47816

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/2011	10/18/2011
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/2011	10/18/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	78.7	47-140		%	10/10/2011	10/18/2011

Quant Method: TPHKAOTP.M
Run #: 1018023
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/31/2011 1:46:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-566
Sample Collection Date: 10/04/11

ARF: 65889
APPL ID: AY47810
QCG: #GSWCT-111010A-160239

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/10/11	10/10/11
8015	SURROGATE: BFB-FID (S)	78.8	70-130		%	10/10/11	10/10/11

Quant Method: HGAS.M
Run #: 1010H07
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:13:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-569

APPL ID: AY47811

Sample Collection Date: 10/04/11

QCG: #GSWCT-111010A-160239

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/10/11	10/10/11
8015	SURROGATE: BFB-FID (S)	81.6	70-130		%	10/10/11	10/10/11

Quant Method: HGAS.M
Run #: 1010H08
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:13:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-572

APPL ID: AY47812

Sample Collection Date: 10/04/11

QCG: #GSWCT-111010A-160239

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/10/11	10/10/11
8015	SURROGATE: BFB-FID (S)	80.3	70-130		%	10/10/11	10/10/11

Quant Method: HGAS.M
Run #: 1010H09
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:13:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-573
Sample Collection Date: 10/04/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65889
APPL ID: AY47813
QCG: #GSWCT-111010A-160239

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/10/11	10/10/11
8015	SURROGATE: BFB-FID (S)	81.0	70-130		%	10/10/11	10/10/11

Quant Method: HGAS.M
Run #: 1010H10
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:13:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-576

APPL ID: AY47814

Sample Collection Date: 10/04/11

QCG: #GSWCT-111010A-160239

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/10/11	10/10/11
8015	SURROGATE: BFB-FID (S)	76.8	70-130		%	10/10/11	10/10/11

Quant Method: HGAS.M
Run #: 1010H11
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:13:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-579

APPL ID: AY47815

Sample Collection Date: 10/04/11

QCG: #GSWCT-111010A-160239

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/11/11	10/11/11
8015	SURROGATE: BFB-FID (S)	97.3	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H12
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:13:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-582
Sample Collection Date: 10/04/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65889
APPL ID: AY47816
QCG: #GSWCT-111010A-160239

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/11/11	10/11/11
8015	SURROGATE: BFB-FID (S)	84.7	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H13
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:13:39 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-566
Sample Collection Date: 10/4/2011

ARF: 65889
APPL ID: AY47810
QCG: #86MFW-111012AC-16013

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/13/2011	10/13/2011
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/13/2011	10/13/2011
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROENZENE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/13/2011	10/13/2011
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/13/2011	10/13/2011
EPA 8260B	TETRACHLOROETHENE	0.21 J	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	106	70-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	105	75-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	85-120		%	10/13/2011	10/13/2011

J = Estimated value.

Quant Method: C86DODW.M
Run #: 1012C21
Instrument: Chico
Sequence: C111012
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-NoMG-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-569

APPL ID: AY47811

Sample Collection Date: 10/4/2011

QCG: #86MFW-111012AC-160135

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/13/2011	10/13/2011
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/13/2011	10/13/2011
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHENE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/13/2011	10/13/2011
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/13/2011	10/13/2011
EPA 8260B	TETRACHLOROETHENE	0.24 J	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	103	70-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	103	75-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	85-120		%	10/13/2011	10/13/2011

J = Estimated value.

Quant Method: C86DODW.M
Run #: 1012C22
Instrument: Chico
Sequence: C111012
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

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APPL Inc.
908 North Temperance Avenue
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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-572

APPL ID: AY47812

Sample Collection Date: 10/4/2011

QCG: #86MFW-111012AC-160135

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/13/2011	10/13/2011
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/13/2011	10/13/2011
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/13/2011	10/13/2011
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/13/2011	10/13/2011
EPA 8260B	TETRACHLOROETHENE	0.21 J	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	105	70-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	103	75-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	104	85-120		%	10/13/2011	10/13/2011

J = Estimated value.

Quant Method: C86DODW.M
Run #: 1012C23
Instrument: Chico
Sequence: C111012
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

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APPL Inc.
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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-573

APPL ID: AY47813

Sample Collection Date: 10/4/2011

QCG: #86MFW-111012AC-160135

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/13/2011	10/13/2011
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/13/2011	10/13/2011
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/13/2011	10/13/2011
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/13/2011	10/13/2011
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	109	70-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	103	75-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.3	85-120		%	10/13/2011	10/13/2011

Quant Method: C86DODW.M
Run #: 1012C24
Instrument: Chico
Sequence: C111012
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-576

Sample Collection Date: 10/4/2011

ARF: 65889

APPL ID: AY47814

QCG: #86MFW-111012AC-16013

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/13/2011	10/13/2011
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/13/2011	10/13/2011
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/13/2011	10/13/2011
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/13/2011	10/13/2011
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	105	70-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	108	75-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-120		%	10/13/2011	10/13/2011

Quant Method: C86DODW.M
Run #: 1012C25
Instrument: Chico
Sequence: C111012
Dilution Factor: 1
Initials: DG

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APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
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Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-579

APPL ID: AY47815

Sample Collection Date: 10/4/2011

QCG: #86MFW-111012AC-160130

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/13/2011	10/13/2011
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/13/2011	10/13/2011
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/13/2011	10/13/2011
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/13/2011	10/13/2011
EPA 8260B	TETRACHLOROETHENE	0.21 J	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	101	70-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	105	75-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-120		%	10/13/2011	10/13/2011

J = Estimated value.

Quant Method: C86DODW.M
Run #: 1012C26
Instrument: Chico
Sequence: C111012
Dilution Factor: 1
Initials: DG

Printed: 10/18/2011 3:53:15 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65889

Sample ID: 9-582

APPL ID: AY47816

Sample Collection Date: 10/4/2011

QCG: #86MFW-111012AC-16013

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/13/2011	10/13/2011
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/13/2011	10/13/2011
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/13/2011	10/13/2011
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/13/2011	10/13/2011
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/13/2011	10/13/2011
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/13/2011	10/13/2011
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/13/2011	10/13/2011
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/13/2011	10/13/2011
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/13/2011	10/13/2011
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/13/2011	10/13/2011
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/13/2011	10/13/2011
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/13/2011	10/13/2011
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	112	70-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	104	75-120		%	10/13/2011	10/13/2011
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	85-120		%	10/13/2011	10/13/2011

Quant Method: C86DODW.M
Run #: 1012C27
Instrument: Chico
Sequence: C111012
Dilution Factor: 1
Initials: DG

Printed: 10/18/2011 3:53:15 PM
APPL-F1-SC-NoMC-REG MDLs



TETRATECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31183

CHAIN-OF-CUSTODY RECORD



PROJECT NAME CT09 Various Petro Sites		PURCHASE ORDER NO. 1042813-3			ANALYSES REQUIRED						LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory													
PROJECT LOCATION Moffett Field		PROJECT NO. 3570-CUPL			9260 VOL	TPH-7	TPH-7	TPH-7				LABORATORY ID (FOR LABORATORY) 65897				10-14										
SAMPLER NAME Lony Adams/D Hawkins		AIRBILL NUMBER Cov-1														COMMENTS							LOCATION	DEPTH		QC
PROJECT CONTACT Sabina Surluko		PROJECT CONTACT PHONE NUMBER 919-851-5022														3	4	T Y P E	T A T	START	END					
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL																						
9-564	10-4-11	10300	7	X	S	10	X	X	X						S63-SBHP-7	45	5	N								
9-565	10/4/11	1024	7	X	S	10	X	X	X						S63-SBHP-7	8	10	N								
9-568	10/4/11	1055	7	X	S	10	X	X	X						S63-SBHP-8	45	5	N								
9-569 7*	10/4/11	1110	7	X	S	10	X	X	X						S63-SBHP-8	8	10	N								
9-570	10/4/11	1200	7	X	S	10	X	X	X						S63-SBHP-9	45	5	N								
9-571	10/4/11	1215	7	X	S	10	X	X	X						S63-SBHP-9	8	10	N								
9-574	10/4/11	1300	7	X	S	10	X	X	X						S63-SBHP-10	6	8	N								
9-575	10/4/11	1310	7	X	S	10	X	X	X						S63-SBHP-10	8	10	N								
9-577	10/4/11	1450	7	X	S	10	X	X	X						S63-SBHP-11	5	6	N								
9-578	10/4/11	1500	7	X	S	10	X	X	X						S63-SBHP-11	8	10	N								
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS												SAMPLING COMMENT: CT09 Various Petro Sites Sample 3										
COMPANY	TIME	COMPANY		* Sample ID should be 9-567 10-5-11																						
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																						
COMPANY	TIME	COMPANY																								
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																						
COMPANY	TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																						



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31184



CHAIN-OF-CUSTODY RECORD

PROJECT NAME C109 Various Petro Sites		PURCHASE ORDER NO. 1042813-3				ANALYSES REQUIRED						LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory							
PROJECT LOCATION Muffet Field		PROJECT NO. 3510.009.E				8260 vol TPH TPHC						LABORATORY ID (FOR LABORATORY) 65897									
SAMPLER NAME Cory Dudas/D. Hawkins		AIRBILL NUMBER COUVR										COMMENTS					LOCATION		DEPTH		QC
PROJECT CONTACT Sabina Sudiko		PROJECT CONTACT PHONE NUMBER 749.829.5022										START	END								
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		T P E	T A T							LOCATION	DEPTH		QC				
				3	4										START	END					
9-580	10/4/11	1540	7	X		S	P	X	X	X							S63 SBHP-12	5	6	N	
9-581	10/4/11	1550	7	T		S	P	X	X	X							S63 SBHP-12	8	10	N	
Large diagonal signature across the table																					
RELINQUISHED BY (Signature) [Signature]		DATE 10-4-11		RECEIVED BY (Signature) [Signature]		LABORATORY INSTRUCTIONS/COMMENTS											SAMPLING COMMENT: C109 Petro Sites H Sump 63				
COMPANY Petro		TIME 16:10		COMPANY APPL		COMPOSITE DESCRIPTION															
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)															
COMPANY		TIME		COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN															

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-564

APPL ID: AY47817

Sample Collection Date: 10/04/11

QCG: #86MFS-111007AN-160145

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.98	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.87	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.75	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/08/11	10/08/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	ACETONE	31 J	60	3.4	ug/Kg	10/08/11	10/08/11
EPA 8260B	BENZENE	Not detected	6.0	0.76	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/08/11	10/08/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	0.87 J	6.0	0.59	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.57	ug/Kg	10/08/11	10/08/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/08/11	10/08/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/08/11	10/08/11
EPA 8260B	TOLUENE	Not detected	6.0	0.78	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.86	ug/Kg	10/08/11	10/08/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	XYLENES	Not detected	6.0	0.82	ug/Kg	10/08/11	10/08/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	91.5	70-140		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	89.5	85-120		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.7	85-115		%	10/08/11	10/08/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1007N27
Instrument: Neo
Sequence: N111007
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:33 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-565

APPL ID: AY47818

Sample Collection Date: 10/04/11

QCG: #86MFS-111007AN-160145

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.7 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.97	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.86	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.74	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/08/11	10/08/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	ACETONE	6.8 J	60	3.4	ug/Kg	10/08/11	10/08/11
EPA 8260B	BENZENE	Not detected	6.0	0.78	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/08/11	10/08/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROBENZENE	Not detected	6.0	0.59	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.56	ug/Kg	10/08/11	10/08/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/08/11	10/08/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/08/11	10/08/11
EPA 8260B	TOLUENE	Not detected	6.0	0.78	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.85	ug/Kg	10/08/11	10/08/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	XYLENES	Not detected	6.0	0.82	ug/Kg	10/08/11	10/08/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	96.0	70-140		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	91.3	85-120		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	85-115		%	10/08/11	10/08/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1007N28
Instrument: Neo
Sequence: N111007
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:33 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-568

APPL ID: AY47819

Sample Collection Date: 10/04/11

QCG: #86MFS-111007AN-160145

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.9 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.97	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.87	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.75	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/08/11	10/08/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	ACETONE	4.9 J	60	3.4	ug/Kg	10/08/11	10/08/11
EPA 8260B	BENZENE	Not detected	6.0	0.76	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/08/11	10/08/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROBENZENE	Not detected	6.0	0.59	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.57	ug/Kg	10/08/11	10/08/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/08/11	10/08/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/08/11	10/08/11
EPA 8260B	TOLUENE	Not detected	6.0	0.78	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.85	ug/Kg	10/08/11	10/08/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	XYLENES	Not detected	6.0	0.82	ug/Kg	10/08/11	10/08/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	91.8	70-140		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBE	100	85-120		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	85-115		%	10/08/11	10/08/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1007N29
Instrument: Neo
Sequence: N111007
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-567

APPL ID: AY47820

Sample Collection Date: 10/04/11

QCG: #86MFS-111007AN-160145

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.1 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.9	0.95	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.9	1.50	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.9	0.57	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.9	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	5.9	0.93	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	5.9	0.85	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.9	0.73	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-BUTANONE	Not detected	59	0.8	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-HEXANONE	Not detected	59	0.6	ug/Kg	10/08/11	10/08/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	59	1.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	ACETONE	28 J	59	3.3	ug/Kg	10/08/11	10/08/11
EPA 8260B	BENZENE	Not detected	5.9	0.74	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.9	0.81	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOFORM	Not detected	5.9	0.94	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/08/11	10/08/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.9	0.94	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLORO BENZENE	Not detected	5.9	0.58	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	Not detected	5.9	1.80	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROFORM	Not detected	5.9	1.70	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.9	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.9	0.55	ug/Kg	10/08/11	10/08/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.9	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	ETHYLBENZENE	Not detected	5.9	0.75	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.9	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	59	5.4	ug/Kg	10/08/11	10/08/11
EPA 8260B	STYRENE	Not detected	5.9	0.81	ug/Kg	10/08/11	10/08/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.9	0.64	ug/Kg	10/08/11	10/08/11
EPA 8260B	TOLUENE	Not detected	5.9	0.77	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.9	1.60	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.9	0.51	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.9	0.84	ug/Kg	10/08/11	10/08/11
EPA 8260B	VINYL CHLORIDE	Not detected	5.9	2.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	XYLENES	Not detected	5.9	0.80	ug/Kg	10/08/11	10/08/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	93.8	70-140		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	94.9	85-120		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.4	85-115		%	10/08/11	10/08/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1007N30
Instrument: Neo
Sequence: N111007
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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APPL Inc.
908 North Temperance Avenue
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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-570

APPL ID: AY47821

Sample Collection Date: 10/04/11

QCG: #86MFS-111007AN-160145

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.2 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.9	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.9	1.50	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.9	0.57	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.9	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	5.9	0.93	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	5.9	0.85	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.9	0.73	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-BUTANONE	Not detected	59	0.8	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-HEXANONE	Not detected	59	0.6	ug/Kg	10/08/11	10/08/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	59	1.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	ACETONE	40 J	59	3.3	ug/Kg	10/08/11	10/08/11
EPA 8260B	BENZENE	Not detected	5.9	0.74	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.9	0.81	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOFORM	Not detected	5.9	0.94	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/08/11	10/08/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.9	0.94	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROBENZENE	Not detected	5.9	0.58	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	Not detected	5.9	1.80	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROFORM	Not detected	5.9	1.70	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.9	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.9	0.55	ug/Kg	10/08/11	10/08/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.9	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	ETHYLBENZENE	Not detected	5.9	0.75	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.9	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	59	5.4	ug/Kg	10/08/11	10/08/11
EPA 8260B	STYRENE	Not detected	5.9	0.81	ug/Kg	10/08/11	10/08/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.9	0.64	ug/Kg	10/08/11	10/08/11
EPA 8260B	TOLUENE	Not detected	5.9	0.77	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.9	1.60	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.9	0.51	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.9	0.84	ug/Kg	10/08/11	10/08/11
EPA 8260B	VINYL CHLORIDE	Not detected	5.9	2.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	XYLENES	Not detected	5.9	0.80	ug/Kg	10/08/11	10/08/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	99.8	70-140		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROEN	101	85-120		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-115		%	10/08/11	10/08/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1007N31
Instrument: Neo
Sequence: N111007
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-571

APPL ID: AY47822

Sample Collection Date: 10/04/11

QCG: #86MFS-111012AN-160143

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.98	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.87	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.75	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	ACETONE	5.7 J	60	3.4	ug/Kg	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	6.0	0.76	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	Not detected	6.0	0.59	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.57	ug/Kg	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/12/11	10/12/11
EPA 8260B	TOLUENE	Not detected	6.0	0.78	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.86	ug/Kg	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	6.0	0.82	ug/Kg	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	107	70-140		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	110	85-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	108	85-115		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1012N12
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-574

APPL ID: AY47823

Sample Collection Date: 10/04/11

QCG: #86MFS-111013AN-160142

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.6 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.9	0.95	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.9	1.50	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.9	0.56	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.9	1.30	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	5.9	0.93	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	5.9	0.84	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.9	0.73	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-BUTANONE	Not detected	59	0.8	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-HEXANONE	Not detected	59	0.6	ug/Kg	10/13/11	10/13/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	59	1.1	ug/Kg	10/13/11	10/13/11
EPA 8260B	ACETONE	15 J	59	3.3	ug/Kg	10/13/11	10/13/11
EPA 8260B	BENZENE	Not detected	5.9	0.74	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.9	0.81	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOFORM	Not detected	5.9	0.94	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/13/11	10/13/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.9	0.94	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROBENZENE	Not detected	5.9	0.57	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROETHANE	Not detected	5.9	1.80	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROFORM	Not detected	5.9	1.70	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.1	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.9	1.30	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.9	0.55	ug/Kg	10/13/11	10/13/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.9	1.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	ETHYLBENZENE	Not detected	5.9	0.75	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.9	1.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	59	5.4	ug/Kg	10/13/11	10/13/11
EPA 8260B	STYRENE	Not detected	5.9	0.81	ug/Kg	10/13/11	10/13/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.9	0.63	ug/Kg	10/13/11	10/13/11
EPA 8260B	TOLUENE	1.2 J	5.9	0.76	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.9	1.60	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.9	0.50	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.9	0.83	ug/Kg	10/13/11	10/13/11
EPA 8260B	VINYL CHLORIDE	Not detected	5.9	2.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	XYLENES	Not detected	5.9	0.80	ug/Kg	10/13/11	10/13/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	113	70-140		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	100	85-120		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	124 #	85-115		%	10/13/11	10/13/11

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: N86DODS.M
Run #: 1013N11
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-575

APPL ID: AY47824

Sample Collection Date: 10/04/11

QCG: #86MFS-111012AN-160143

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.7 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.9	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.9	1.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.9	0.57	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.9	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	5.9	0.94	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	5.9	0.85	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.9	0.74	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	59	0.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	59	0.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	59	1.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	ACETONE	9.1 J	59	3.3	ug/Kg	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	5.9	0.75	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.9	0.82	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	5.9	0.95	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.9	0.95	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	Not detected	5.9	0.58	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	5.9	1.80	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	5.9	1.70	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.9	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.9	0.56	ug/Kg	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.9	1.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	5.9	0.76	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.9	1.10	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	59	5.5	ug/Kg	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	5.9	0.82	ug/Kg	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.9	0.64	ug/Kg	10/12/11	10/12/11
EPA 8260B	TOLUENE	Not detected	5.9	0.77	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.9	1.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.9	0.51	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.9	0.84	ug/Kg	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	5.9	2.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	5.9	0.81	ug/Kg	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	109	70-140		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	111	85-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	107	85-115		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1012N13
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-577

APPL ID: AY47825

Sample Collection Date: 10/04/11

QCG: #86MFS-111012AN-160143

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 11.5 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.6	0.92	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.6	1.40	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.6	0.54	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.6	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	5.6	0.89	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	5.6	0.81	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.6	0.70	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	1.2 J	56	0.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	56	0.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	56	1.0	ug/Kg	10/12/11	10/12/11
EPA 8260B	ACETONE	22 J	56	3.2	ug/Kg	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	5.6	0.71	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.6	0.78	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	5.6	0.90	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	11	1.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.6	0.90	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	Not detected	5.6	0.55	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	5.6	1.80	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	5.6	1.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	11	2.0	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.6	1.20	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.6	0.53	ug/Kg	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.6	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	5.6	0.72	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.6	1.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	56	5.2	ug/Kg	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	5.6	0.78	ug/Kg	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.6	0.61	ug/Kg	10/12/11	10/12/11
EPA 8260B	TOLUENE	Not detected	5.6	0.73	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.6	1.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.6	0.49	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.6	0.80	ug/Kg	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	5.6	1.90	ug/Kg	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	5.6	0.77	ug/Kg	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	102	70-140		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	115	85-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	110	85-115		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1012N15
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-578

APPL ID: AY47826

Sample Collection Date: 10/04/11

QCG: #86MFS-111013AN-160142

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.6 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.9	0.96	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.9	1.50	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.9	0.57	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.9	1.30	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	5.9	0.94	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	5.9	0.85	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.9	0.73	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-BUTANONE	Not detected	59	0.8	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-HEXANONE	Not detected	59	0.6	ug/Kg	10/13/11	10/13/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	59	1.1	ug/Kg	10/13/11	10/13/11
EPA 8260B	ACETONE	7.5 J	59	3.3	ug/Kg	10/13/11	10/13/11
EPA 8260B	BENZENE	Not detected	5.9	0.75	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.9	0.82	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOFORM	Not detected	5.9	0.95	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/13/11	10/13/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.9	0.95	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROETHANE	Not detected	5.9	1.80	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROETHENE	Not detected	5.9	1.70	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROFORM	Not detected	12	2.1	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.1	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.9	1.30	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.9	0.56	ug/Kg	10/13/11	10/13/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.9	1.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	ETHYLBENZENE	Not detected	5.9	0.76	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.9	1.10	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	59	5.5	ug/Kg	10/13/11	10/13/11
EPA 8260B	STYRENE	Not detected	5.9	0.82	ug/Kg	10/13/11	10/13/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.9	0.64	ug/Kg	10/13/11	10/13/11
EPA 8260B	TOLUENE	Not detected	5.9	0.77	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.9	1.60	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.9	0.51	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.9	0.84	ug/Kg	10/13/11	10/13/11
EPA 8260B	VINYL CHLORIDE	Not detected	5.9	2.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	XYLENES	Not detected	5.9	0.81	ug/Kg	10/13/11	10/13/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	116	70-140		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	110	85-120		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	106	85-115		%	10/13/11	10/13/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1013N09
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-580

APPL ID: AY47827

Sample Collection Date: 10/04/11

QCG: #86MFS-111013AN-160142

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.1	0.98	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.1	1.50	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.1	0.58	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.1	1.40	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.1	0.96	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.1	0.87	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.1	0.75	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-BUTANONE	Not detected	61	0.8	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-HEXANONE	Not detected	61	0.6	ug/Kg	10/13/11	10/13/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	61	1.1	ug/Kg	10/13/11	10/13/11
EPA 8260B	ACETONE	59 J	61	3.4	ug/Kg	10/13/11	10/13/11
EPA 8260B	BENZENE	Not detected	6.1	0.76	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.1	0.84	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOFORM	Not detected	6.1	0.97	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/13/11	10/13/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.1	0.97	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROENZENE	Not detected	6.1	0.59	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROETHANE	Not detected	6.1	1.90	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROFORM	Not detected	6.1	1.70	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.1	1.30	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.1	0.57	ug/Kg	10/13/11	10/13/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.1	1.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	ETHYLBENZENE	Not detected	6.1	0.77	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.1	1.10	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	61	5.6	ug/Kg	10/13/11	10/13/11
EPA 8260B	STYRENE	Not detected	6.1	0.84	ug/Kg	10/13/11	10/13/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.1	0.65	ug/Kg	10/13/11	10/13/11
EPA 8260B	TOLUENE	Not detected	6.1	0.79	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.1	1.60	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.1	0.52	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.1	0.86	ug/Kg	10/13/11	10/13/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.1	2.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	XYLENES	Not detected	6.1	0.82	ug/Kg	10/13/11	10/13/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	114	70-140		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	106	85-120		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-115		%	10/13/11	10/13/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1013N10
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-581

APPL ID: AY47828

Sample Collection Date: 10/04/11

QCG: #86MFS-111012AN-160143

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.5 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.8	0.95	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.8	1.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.8	0.56	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.8	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	5.8	0.92	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	5.8	0.84	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.8	0.73	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	1.0 J	58	0.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	58	0.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	58	1.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	ACETONE	8.1 J	58	3.3	ug/Kg	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	5.8	0.74	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.8	0.81	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	5.8	0.94	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.8	0.94	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	Not detected	5.8	0.57	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	5.8	1.80	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	5.8	1.70	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.8	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.8	0.55	ug/Kg	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.8	0.99	ug/Kg	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	5.8	0.75	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.8	1.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	58	5.4	ug/Kg	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	5.8	0.81	ug/Kg	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.8	0.63	ug/Kg	10/12/11	10/12/11
EPA 8260B	TOLUENE	1.8 J	5.8	0.76	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.8	1.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.8	0.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.8	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	5.8	2.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	5.8	0.80	ug/Kg	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	103	70-140		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	102	85-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	96.7	85-115		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1012N14
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/18/11 4:19:34 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-564

APPL ID: AY47817

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	0.91 ++J	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	81.4	70-130		%	10/11/11	10/11/11

J = Estimated value.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HGAS.M
Run #: 1010H23
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-565

APPL ID: AY47818

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.7 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	80.1	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H24
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-568

APPL ID: AY47819

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.9 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	80.8	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H25
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-567
Sample Collection Date: 10/04/11

ARF: 65897
APPL ID: AY47820
QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.1 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.40	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	78.8	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H26
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-570

Sample Collection Date: 10/04/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65897

APPL ID: AY47821

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.2 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.40	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	75.6	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H27
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-571

APPL ID: AY47822

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	83.8	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H28
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-574

APPL ID: AY47823

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.6 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	0.99 ++J	1.2	0.40	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	81.6	70-130		%	10/11/11	10/11/11

J = Estimated value.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HGAS.M
Run #: 1010H35
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-575

APPL ID: AY47824

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.7 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.40	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	75.4	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H29
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-577

APPL ID: AY47825

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 11.5 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.1	0.38	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	83.4	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H30
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-578

APPL ID: AY47826

Sample Collection Date: 10/04/11

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.6 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.40	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	85.0	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H31
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-580

Sample Collection Date: 10/04/11

ARF: 65897

APPL ID: AY47827

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	80.0	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H32
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-581

Sample Collection Date: 10/04/11

ARF: 65897

APPL ID: AY47828

QCG: #GSTS-111010A-160240

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.5 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.40	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	91.9	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H34
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 3:37:22 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-564

APPL ID: AY47817

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	3100 ++	60.0	36.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	2700	600.0	200.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	2700	600.0	200.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	600.0	210.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	DO	47-140		%	10/10/11	10/19/11

DO = Diluted Out.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: TPKAOTP.M
Run #: 1018035
Instrument: Apollo
Sequence: 111018
Dilution Factor: 50
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-565

Sample Collection Date: 10/04/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65897

APPL ID: AY47818

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.7 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.72	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	81.4	47-140		%	10/10/11	10/19/11

Quant Method: TPHAOTP.M
Run #: 1018036
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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APPL Inc.
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-568

APPL ID: AY47819

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.9 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.72	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	81.4	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018037
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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APPL Inc.
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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-567

Sample Collection Date: 10/04/11

ARF: 65897

APPL ID: AY47820

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.1 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.71	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.10	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	77.0	47-140		%	10/10/11	10/19/11

Quant Method: TPHAOTP.M
Run #: 1018038
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-570

APPL ID: AY47821

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.2 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.71	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.10	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	73.5	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018039
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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APPL Inc.
908 North Temperance Avenue
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-571

APPL ID: AY47822

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.72	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	79.4	47-140		%	10/10/11	10/19/11

Quant Method: TPKAOTP.M
Run #: 1018040
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

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APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-574

Sample Collection Date: 10/04/11

ARF: 65897

APPL ID: AY47823

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.6 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	1800 ++	59.0	35.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	1600	590.0	190.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	1600	590.0	190.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	590.0	200.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	DO	47-140		%	10/10/11	10/19/11

DO = Diluted Out.

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: TPHKAOTP.M
Run #: 1018041
Instrument: Apollo
Sequence: 111018
Dilution Factor: 50
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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908 North Temperance Avenue
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-575

APPL ID: AY47824

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.7 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.71	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	79.2	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018042
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-577

APPL ID: AY47825

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 11.5 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.1	0.68	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	11.0	3.70	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	11.0	3.70	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	11.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	81.8	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018046
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-578
Sample Collection Date: 10/04/11

ARF: 65897
APPL ID: AY47826
QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 15.6 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.71	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.10	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	81.1	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018047
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

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17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-580

APPL ID: AY47827

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.4 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.73	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	75.9	47-140		%	10/10/11	10/19/11

Quant Method: TPKAOTP.M
Run #: 1018048
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65897

Sample ID: 9-581

APPL ID: AY47828

Sample Collection Date: 10/04/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 14.5 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.70	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	3.90	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.10	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	91.8	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018049
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
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Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-566
Sample Collection Date: 10/04/11

ARF: 65898
APPL ID: AY47877
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	Not detected	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F005
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 2:04:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-569
Sample Collection Date: 10/04/11

ARF: 65898
APPL ID: AY47878
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	Not detected	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F006
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 2:04:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

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Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65898
APPL ID: AY47879
QCG: #RSKT-111017A-160242

Sample ID: 9-572
Sample Collection Date: 10/04/11

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	Not detected	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F014
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 2:04:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

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Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-576
Sample Collection Date: 10/04/11

ARF: 65898
APPL ID: AY47880
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	1.6	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F007
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 2:04:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

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Irvine, CA 92614

APPL Inc.
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-579
Sample Collection Date: 10/04/11

ARF: 65898
APPL ID: AY47881
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	Not detected	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F008
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 2:04:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

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908 North Temperance Avenue
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-582
Sample Collection Date: 10/04/11

ARF: 65898
APPL ID: AY47882
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	Not detected	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F009
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 2:04:36 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31178



CHAIN-OF-CUSTODY RECORD

PROJECT NAME CT09 Various Petro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED						LABORATORY NAME APPL		Project Information Section Do not submit to Laboratory											
PROJECT LOCATION McKeth Field		PROJECT NO. 3570.009.E		3260 VOCs TPH-P TPH-E						LABORATORY ID (FOR LABORATORY) 65904					10-17								
SAMPLER NAME Larry Dudas / D. Houston		AIRBILL NUMBER C000146								COMMENTS								LOCATION			DEPTH		QC
PROJECT CONTACT Suzanne Socolko		PROJECT CONTACT PHONE NUMBER 949-594-5022								START											END		
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		T	Y	P	T	A	T	T											
				3	4								START	END									
9-583	10-5-11	8:10	7	X		S	10	X	X	X						S63-SBHP-13	55	65	N				
9-584	10/5/11	8:20	7	X		S	10	X	X	X						S63-SBHP-13	8	9	N				
9-586	10/5/11	9:11	7	X		S	10	X	X	X						S63-SBHP-14	7	8	N				
9-587	10/5/11	9:15	7	X		S	10	X	X	X						S63-SBHP-14	8	9	N				
9-589	10/5/11	10:25	7	X		S	10	X	X	X						S63-SBHP-15	6	7	N				
9-590	10/5/11	10:30	7	X		S	10	X	X	X						S63-SBHP-15	8	9	N				
RELINQUISHED BY (Signature) _____ DATE _____ RECEIVED BY (Signature) _____ COMPANY _____ TIME _____ COMPANY _____ RELINQUISHED BY (Signature) _____ DATE _____ RECEIVED BY (Signature) _____ COMPANY _____ TIME _____ COMPANY _____ RELINQUISHED BY (Signature) _____ DATE _____ RECEIVED BY (Signature) _____ COMPANY _____ TIME _____ COMPANY _____												LABORATORY INSTRUCTIONS/COMMENTS COMPOSITE DESCRIPTION SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY) TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN			SAMPLING COMMENT: CT09 Various Petro Sites H Sump 63								

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-583

APPL ID: AY47939

Sample Collection Date: 10/05/11

QCG: #86MFS-111007AN-160145

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.98	ug/Kg	10/07/11	10/07/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/07/11	10/07/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/07/11	10/07/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/07/11	10/07/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.96	ug/Kg	10/07/11	10/07/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.87	ug/Kg	10/07/11	10/07/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.75	ug/Kg	10/07/11	10/07/11
EPA 8260B	2-BUTANONE	13 J	60	0.8	ug/Kg	10/07/11	10/07/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/07/11	10/07/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/07/11	10/07/11
EPA 8260B	ACETONE	71	60	3.4	ug/Kg	10/07/11	10/07/11
EPA 8260B	BENZENE	Not detected	6.0	0.76	ug/Kg	10/07/11	10/07/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/07/11	10/07/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.97	ug/Kg	10/07/11	10/07/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/07/11	10/07/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.97	ug/Kg	10/07/11	10/07/11
EPA 8260B	CHLOROBENZENE	130	6.0	0.59	ug/Kg	10/07/11	10/07/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/07/11	10/07/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/07/11	10/07/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/07/11	10/07/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/07/11	10/07/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.57	ug/Kg	10/07/11	10/07/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/07/11	10/07/11
EPA 8260B	ETHYLBENZENE	380 E	6.0	0.77	ug/Kg	10/07/11	10/07/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/07/11	10/07/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.6	ug/Kg	10/07/11	10/07/11
EPA 8260B	STYRENE	140	6.0	0.83	ug/Kg	10/07/11	10/07/11
EPA 8260B	TETRACHLOROETHENE	13	6.0	0.85	ug/Kg	10/07/11	10/07/11
EPA 8260B	TOLUENE	38	6.0	0.79	ug/Kg	10/07/11	10/07/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/07/11	10/07/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/07/11	10/07/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.86	ug/Kg	10/07/11	10/07/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/07/11	10/07/11
EPA 8260B	XYLENES	2900 E	6.0	0.82	ug/Kg	10/07/11	10/07/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	133	70-140		%	10/07/11	10/07/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	205 #	85-120		%	10/07/11	10/07/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	147 #	85-115		%	10/07/11	10/07/11

J = Estimated value.

E = The reported value exceeds linear range.

= Recovery (or RPD) is outside QC limits.

Quant Method: N86DODS.M
Run #: 1007N21
Instrument: Neo
Sequence: N111007
Dilution Factor: 1
Initials: DG

Printed: 10/19/11 6:45:20 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-583

Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65904

APPL ID: AY47939

QCG: #86MFS-111017AS-160271

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8260B-	ETHYLBENZENE	760	30.0	0.28	ug/Kg	10/17/11	10/17/11
EPA 8260B-	XYLENES	6500	30.0	0.23	ug/Kg	10/17/11	10/17/11
EPA 8260B-	SURROGATE: 1,2-DICHLOROETHAN	100	70-140		%	10/17/11	10/17/11
EPA 8260B-	SURROGATE: 4-BROMOFLUOROBEN	106	85-120		%	10/17/11	10/17/11
EPA 8260B-	SURROGATE: TOLUENE-D8 (S)	94.7	85-115		%	10/17/11	10/17/11

Quant Method: SALLW.M
Run #: 1017S19
Instrument: Sweetpea
Sequence: S111014
Dilution Factor: 1
Initials: SV

Printed: 10/19/11 6:45:20 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-584

APPL ID: AY47940

Sample Collection Date: 10/05/11

QCG: #86MFS-111012AN-160143

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.98	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.87	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.75	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	ACETONE	12 J	60	3.4	ug/Kg	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	6.0	0.76	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROENZENE	0.86 J	6.0	0.59	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.57	ug/Kg	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/12/11	10/12/11
EPA 8260B	TOLUENE	1.2 J	6.0	0.78	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.86	ug/Kg	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	6.0	0.82	ug/Kg	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	117	70-140		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	105	85-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	105	85-115		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1012N09
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/19/11 6:45:20 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-586

APPL ID: AY47941

Sample Collection Date: 10/05/11

QCG: #86MFS-111012AN-160143

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.97	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.86	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.74	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	ACETONE	22 J	60	3.4	ug/Kg	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	6.0	0.76	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	74	6.0	0.59	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.56	ug/Kg	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	2.0 J	6.0	0.77	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/12/11	10/12/11
EPA 8260B	TOLUENE	1.8 J	6.0	0.78	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.85	ug/Kg	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	XYLENES	8.3	6.0	0.82	ug/Kg	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	113	70-140		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	136 #	85-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	108	85-115		%	10/12/11	10/12/11

J = Estimated value.

= Recovery (or RPD) is outside QC limits.

Quant Method: N86DODS.M
Run #: 1012N11
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/19/11 6:45:20 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-587

APPL ID: AY47942

Sample Collection Date: 10/05/11

QCG: #86MFS-111013AN-160142

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.97	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.58	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.86	ug/Kg	10/13/11	10/13/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.74	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-BUTANONE	Not detected	60	0.8	ug/Kg	10/13/11	10/13/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/13/11	10/13/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/13/11	10/13/11
EPA 8260B	ACETONE	12 J	60	3.4	ug/Kg	10/13/11	10/13/11
EPA 8260B	BENZENE	Not detected	6.0	0.76	ug/Kg	10/13/11	10/13/11
-EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/13/11	10/13/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/13/11	10/13/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROENZENE	Not detected	6.0	0.59	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/13/11	10/13/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/13/11	10/13/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.56	ug/Kg	10/13/11	10/13/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/13/11	10/13/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/13/11	10/13/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/13/11	10/13/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/13/11	10/13/11
EPA 8260B	TOLUENE	Not detected	6.0	0.78	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.52	ug/Kg	10/13/11	10/13/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.85	ug/Kg	10/13/11	10/13/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/13/11	10/13/11
EPA 8260B	XYLENES	Not detected	6.0	0.82	ug/Kg	10/13/11	10/13/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	111	70-140		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	101	85-120		%	10/13/11	10/13/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.6	85-115		%	10/13/11	10/13/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1013N08
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/19/11 6:45:20 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-589

APPL ID: AY47943

Sample Collection Date: 10/05/11

QCG: #86MFS-111012AN-160143

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.7 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.1	0.98	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.1	1.50	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.1	0.58	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.1	1.40	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.1	0.96	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.1	0.87	ug/Kg	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.1	0.75	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	1.7 J	61	0.8	ug/Kg	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	61	0.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	61	1.1	ug/Kg	10/12/11	10/12/11
EPA 8260B	ACETONE	28 J	61	3.4	ug/Kg	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	6.1	0.77	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.1	0.84	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	6.1	0.97	ug/Kg	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.1	0.97	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	1.4 J	6.1	0.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	6.1	1.90	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	6.1	1.70	ug/Kg	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.1	1.30	ug/Kg	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.1	0.57	ug/Kg	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.1	1.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	6.1	0.78	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.1	1.10	ug/Kg	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	61	5.6	ug/Kg	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	6.1	0.84	ug/Kg	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.1	0.66	ug/Kg	10/12/11	10/12/11
EPA 8260B	TOLUENE	1.6 J	6.1	0.79	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.1	1.60	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.1	0.52	ug/Kg	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.1	0.86	ug/Kg	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.1	2.00	ug/Kg	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	6.1	0.83	ug/Kg	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	115	70-140		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	114	85-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	106	85-115		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1012N10
Instrument: Neo
Sequence: N111011
Dilution Factor: 1
Initials: DG

Printed: 10/19/11 6:45:20 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B Soil Moffett 2009

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-590

APPL ID: AY47944

Sample Collection Date: 10/05/11

QCG: #86MFS-111007AN-160145

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 18.5 Percent Moisture.)							
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	6.0	0.97	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	6.0	1.50	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	6.0	0.57	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	6.0	1.40	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	6.0	0.95	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	6.0	0.86	ug/Kg	10/08/11	10/08/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	6.0	0.74	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-BUTANONE	2.5 J	60	0.8	ug/Kg	10/08/11	10/08/11
EPA 8260B	2-HEXANONE	Not detected	60	0.6	ug/Kg	10/08/11	10/08/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	60	1.1	ug/Kg	10/08/11	10/08/11
EPA 8260B	ACETONE	11 J	60	3.4	ug/Kg	10/08/11	10/08/11
EPA 8260B	BENZENE	Not detected	6.0	0.75	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOFORM	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	BROMOMETHANE	Not detected	12	1.9	ug/Kg	10/08/11	10/08/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	6.0	0.96	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	0.95 J	6.0	0.59	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROETHANE	Not detected	6.0	1.90	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROFORM	Not detected	6.0	1.70	ug/Kg	10/08/11	10/08/11
EPA 8260B	CHLOROMETHANE	Not detected	12	2.2	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	6.0	1.30	ug/Kg	10/08/11	10/08/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	6.0	0.56	ug/Kg	10/08/11	10/08/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	6.0	1.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	ETHYLBENZENE	Not detected	6.0	0.77	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	6.0	1.10	ug/Kg	10/08/11	10/08/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	60	5.5	ug/Kg	10/08/11	10/08/11
EPA 8260B	STYRENE	Not detected	6.0	0.83	ug/Kg	10/08/11	10/08/11
EPA 8260B	TETRACHLOROETHENE	Not detected	6.0	0.65	ug/Kg	10/08/11	10/08/11
EPA 8260B	TOLUENE	2.2 J	6.0	0.78	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	6.0	1.60	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	6.0	0.51	ug/Kg	10/08/11	10/08/11
EPA 8260B	TRICHLOROETHENE	Not detected	6.0	0.85	ug/Kg	10/08/11	10/08/11
EPA 8260B	VINYL CHLORIDE	Not detected	6.0	2.00	ug/Kg	10/08/11	10/08/11
EPA 8260B	XYLENES	Not detected	6.0	0.81	ug/Kg	10/08/11	10/08/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	104	70-140		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.0	85-120		%	10/08/11	10/08/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-115		%	10/08/11	10/08/11

J = Estimated value.

Quant Method: N86DODS.M
Run #: 1007N26
Instrument: Neo
Sequence: N111007
Dilution Factor: 1
Initials: DG

Printed: 10/19/11 6:45:20 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-583
Sample Collection Date: 10/05/11

ARF: 65904
APPL ID: AY47939
QCG: #GSTS-111010B-160241

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	330 ++	12.0	4.10	mg/Kg	10/12/11	10/12/11
EPA 8015	SURROGATE: BFB-FID (S)	368 #	70-130		%	10/12/11	10/12/11

= Recovery (or RPD) is outside QC limits.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HGAS.M
Run #: 1010H45
Instrument: Harpo
Sequence: 110217
Dilution Factor: 10
Initials: LF

Printed: 10/19/11 11:29:44 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904
APPL ID: AY47940
QCG: #GSTS-111010B-160241

Sample ID: 9-584

Sample Collection Date: 10/05/11

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	74.8	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H40
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-586
Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65904
APPL ID: AY47941
QCG: #GSTS-111010B-160241

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	38 ++	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	320 #	70-130		%	10/11/11	10/11/11

= Recovery (or RPD) is outside QC limits.

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HGAS.M
Run #: 1010H41
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-587

APPL ID: AY47942

Sample Collection Date: 10/05/11

QCG: #GSTS-111010B-160241

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	77.6	70-130		%	10/11/11	10/11/11

Quant Method: HGAS.M
Run #: 1010H42
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-589
Sample Collection Date: 10/05/11

ARF: 65904
APPL ID: AY47943
QCG: #GSTS-111010B-160241

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.7 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	5.4 ++	1.2	0.41	mg/Kg	10/11/11	10/11/11
EPA 8015	SURROGATE: BFB-FID (S)	82.1	70-130		%	10/11/11	10/11/11

++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: HGAS.M
Run #: 1010H43
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

Gas analysis-soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-590

APPL ID: AY47944

Sample Collection Date: 10/05/11

QCG: #GSTS-111010B-160241

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.5 Percent Moisture.)							
EPA 8015	GASOLINE (C6-C10)	Not detected	1.2	0.41	mg/Kg	10/12/11	10/12/11
EPA 8015	SURROGATE: BFB-FID (S)	96.8	70-130		%	10/12/11	10/12/11

Quant Method: HGAS.M
Run #: 1010H44
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-583

APPL ID: AY47939

Sample Collection Date: 10/05/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.3 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	240	60.0	36.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	2400	600.0	200.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	2400	600.0	200.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	600.0	210.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	DO	47-140		%	10/10/11	10/19/11

DO = Diluted Out.

Quant Method: TPHKAOTP.M
Run #: 1018050
Instrument: Apollo
Sequence: 111018
Dilution Factor: 50
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-584

Sample Collection Date: 10/05/11

ARF: 65904

APPL ID: AY47940

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.0 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	420 ++	12.0	7.20	mg/Kg	10/10/11	10/20/11
EPA 8015B-	JP5	380	120.0	40.00	mg/Kg	10/10/11	10/20/11
EPA 8015B-	KEROSENE	380	120.0	40.00	mg/Kg	10/10/11	10/20/11
EPA 8015B-	MOTOR OIL	Not detected	120.0	42.00	mg/Kg	10/10/11	10/20/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	108	47-140		%	10/10/11	10/20/11

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: TPHKAOTP.M
Run #: 1020011
Instrument: Apollo
Sequence: 111020
Dilution Factor: 10
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-586

Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65904

APPL ID: **AY47941**

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	41 ++	1.2	0.72	mg/Kg	10/10/11	10/20/11
EPA 8015B-	JP5	37	12.0	4.00	mg/Kg	10/10/11	10/20/11
EPA 8015B-	KEROSENE	37	12.0	4.00	mg/Kg	10/10/11	10/20/11
EPA 8015B-	MOTOR OIL	16	12.0	4.20	mg/Kg	10/10/11	10/20/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	16.2 #	47-140		%	10/10/11	10/20/11

= Recovery (or RPD) is outside QC limits.

++(T1M) The analyst has noted that the chromatogram of this sample is mainly a wide range of hydrocarbons which are not necessarily indicative of diesel.

Quant Method: TPKAOTP.M
Run #: 1020012
Instrument: Apolito
Sequence: 111020
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-587

APPL ID: AY47942

Sample Collection Date: 10/05/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.6 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.72	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	84.0	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018053
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-589

APPL ID: AY47943

Sample Collection Date: 10/05/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 17.7 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	420 ++	12.0	7.30	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	400	120.0	40.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	400	120.0	40.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	120.0	43.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	131	47-140		%	10/10/11	10/19/11

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method: TPHKAOTP.M
Run #: 1018054
Instrument: Apollo
Sequence: 111018
Dilution Factor: 10
Initials: LA

Printed: 10/20/11 4:49:11 PM

APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHe Soil

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65904

Sample ID: 9-590

APPL ID: AY47944

Sample Collection Date: 10/05/11

QCG: #TPMFS-111010A-160311

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
(Solid Concentrations and Limits have been adjusted to reflect 16.5 Percent Moisture.)							
EPA 8015B-	DIESEL FUEL	Not detected	1.2	0.72	mg/Kg	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	12.0	4.00	mg/Kg	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	12.0	4.20	mg/Kg	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	83.4	47-140		%	10/10/11	10/19/11

Quant Method: TPHAOTP.M
Run #: 1018055
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/20/11 4:49:11 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

CHAIN-OF-CUSTODY RECORD

NUMBER 31179



PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory										
PROJECT LOCATION		PROJECT NO.		SOLIDS - %	TPH-P	RSK 175 Meth. On	TAPE								APL				LABORATORY ID (FOR LABORATORY)	COMMENTS	LOCATION	DEPTH		QC		
SAMPLER NAME		AIRBILL NUMBER																				3	4		T	P
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER																								
CT09 Various Petro Sites		1042813-3												APL		Project Information Section Do not submit to Laboratory										
Moffett Field		3570.009 E												LABORATORY ID (FOR LABORATORY)					175-10/17							
Lynn Dicus / D. Harrison		COW-1												65906-RSK					10-17							
Sabina Sudsko		949-509-5022												65905												
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL	T	P	B	E	T	A	T															
9-TB38	10-5-11	0800	6	X								X	X										Trip Blank	-	-	TB
9-585		0825	11	X								X	X	X	X								S63-SBHP-13	9'	12'	N
9-588		0935	11	X								X	X	X	X								S63-SBHP-14	9'	12'	N
9-591		1030	11	X								X	X	X	X								S63-SBHP-15	9'	12'	N
9-592		1115	11	X								X	X	X	X								S63-SBHP-16	9'	12'	N
9-EB45		1200	8	X								X	X	X	X								Equipment Blank	-	-	EB
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS										SAMPLING COMMENT: CT09 Various Petro Sites Sump 63 H											
COMPANY		TIME	COMPANY		* Put RSK 175 under its own SDG - 10% SZ																					
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION																					
COMPANY		TIME	COMPANY																							
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																					
COMPANY		TIME	COMPANY		TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																					

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-585

APPL ID: AY47946

Sample Collection Date: 10/05/11

QCG: #86MFW-111012AM-160109

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/12/11	10/12/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	105	70-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.6	75-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	97.3	85-120		%	10/12/11	10/12/11

Quant Method: M86DODW.M
Run #: 1012M20
Instrument: Max
Sequence: M111011
Dilution Factor: 1
Initials: STC

Printed: 10/19/11 6:45:21 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-588

APPL ID: AY47947

Sample Collection Date: 10/05/11

QCG: #86MFW-111012AM-160109

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/12/11	10/12/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	103	70-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	99.2	75-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.9	85-120		%	10/12/11	10/12/11

Quant Method: M86DODW.M
Run #: 1012M21
Instrument: Max
Sequence: M111011
Dilution Factor: 1
Initials: STC

Printed: 10/19/11 6:45:21 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-591

APPL ID: AY47948

Sample Collection Date: 10/05/11

QCG: #86MFW-111012AM-160109

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/12/11	10/12/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROBENZENE	0.42 J	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	104	70-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	99.8	75-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.3	85-120		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: M86DODW.M
Run #: 1012M22
Instrument: Max
Sequence: M111011
Dilution Factor: 1
Initials: STC

Printed: 10/19/11 6:45:21 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-592

APPL ID: AY47949

Sample Collection Date: 10/05/11

QCG: #86MFW-111012AM-160109

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/12/11	10/12/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/12/11	10/12/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/12/11	10/12/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/12/11	10/12/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/12/11	10/12/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	0.24 J	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/12/11	10/12/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/12/11	10/12/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/12/11	10/12/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/12/11	10/12/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/12/11	10/12/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/12/11	10/12/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/12/11	10/12/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/12/11	10/12/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	106	70-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.2	75-120		%	10/12/11	10/12/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.8	85-120		%	10/12/11	10/12/11

J = Estimated value.

Quant Method: M86DODW.M
Run #: 1012M23
Instrument: Max
Sequence: M111011
Dilution Factor: 1
Initials: STC

Printed: 10/19/11 6:45:21 PM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-585

APPL ID: AY47946

Sample Collection Date: 10/05/11

QCG: #GSWCT-111017A-160272

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/17/11	10/17/11
8015	SURROGATE: BFB-FID (S)	85.2	70-130		%	10/17/11	10/17/11

Quant Method: HGAS.M
Run #: 1017H07
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-588

APPL ID: AY47947

Sample Collection Date: 10/05/11

QCG: #GSWCT-111017A-160272

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/17/11	10/17/11
8015	SURROGATE: BFB-FID (S)	83.1	70-130		%	10/17/11	10/17/11

Quant Method: HGAS.M
Run #: 1017H08
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-591

Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65905

APPL ID: AY47948

QCG: #GSWCT-111017A-160272

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/17/11	10/17/11
8015	SURROGATE: BFB-FID (S)	91.0	70-130		%	10/17/11	10/17/11

Quant Method: HGAS.M
Run #: 1017H09
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 10/19/11 11:29:45 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-592
Sample Collection Date: 10/05/11

ARF: 65905
APPL ID: AY47949
QCG: #GSWCT-111017A-160272

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	10/17/11	10/17/11
8015	SURROGATE: BFB-FID (S)	77.9	70-130		%	10/17/11	10/17/11

Quant Method: HGAS.M
Run #: 1017H10
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-585

Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65905

APPL ID: AY47946

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/11	10/18/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	82.6	47-140		%	10/10/11	10/18/11

Quant Method: TPHKAOTP.M
Run #: 1018024
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/19/11 4:23:02 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-588

APPL ID: AY47947

Sample Collection Date: 10/05/11

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/11	10/18/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	85.4	47-140		%	10/10/11	10/18/11

Quant Method: TPHKAOTP.M
Run #: 1018025
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/19/11 4:23:02 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65905

Sample ID: 9-591

APPL ID: AY47948

Sample Collection Date: 10/05/11

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/11	10/18/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/11	10/18/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	84.5	47-140		%	10/10/11	10/18/11

Quant Method: TPHKAOTP.M
Run #: 1018026
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/19/11 4:23:02 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHe Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-592

Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65905

APPL ID: AY47949

QCG: #TPMFW-111010A-160273

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/10/11	10/19/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/10/11	10/19/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/10/11	10/19/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/10/11	10/19/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	77.6	47-140		%	10/10/11	10/19/11

Quant Method: TPHKAOTP.M
Run #: 1018030
Instrument: Apollo
Sequence: 111018
Dilution Factor: 1
Initials: LA

Printed: 10/19/11 4:23:02 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-585
Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65906
APPL ID: AY47951
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	2.5	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F010
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:33:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-588
Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65906
APPL ID: AY47952
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	1.4	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F011
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:33:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-591
Sample Collection Date: 10/05/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 65906
APPL ID: AY47953
QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	5.7	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F012
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:33:36 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 65906

Sample ID: 9-592

APPL ID: AY47954

Sample Collection Date: 10/05/11

QCG: #RSKT-111017A-160242

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	2.5	1.0	0.25	ug/L	10/17/11	10/17/11

Quant Method: RSK175Q.M
Run #: 1017F013
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/18/11 12:33:36 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31187
CHAIN-OF-CUSTODY RECORD



PROJECT NAME CT09 Astro Sites		PURCHASE ORDER NO. 1042813-3		ANALYSES REQUIRED				LABORATORY NAME ADPL		Project Information Section Do not submit to Laboratory										
PROJECT LOCATION Morfe H Field.		PROJECT NO. 3570-009E		TAT - Ext.				LABORATORY ID (FOR LABORATORY) 66040					11-2							
SAMPLER NAME Lundy Duder / D. Harvill		AIRBILL NUMBER COWIN						COMMENTS								LOCATION		DEPTH		QC
PROJECT CONTACT Sabina Sulekko		PROJECT CONTACT PHONE NUMBER 949-809-5022						START								END				
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYPE	TAT	COMMENTS	LOCATION	DEPTH		QC								
				3	4					START	END									
9-595	10-19-11	0915	2	X		W10d	X		WZR-4	4.9	9.9	N								
9-596		0950	2				X		WZR-5	4	9	N								
9-597		1025	2				X		WZR-6	5	10	N								
9-598		1325	2				X		WZR-7	4	7.5	N								
9-599		1250	2				X		WZR-8	4.6	9.6	N								
9-EB46		1515	2				X		Equipment Blank	-	-	EB								
RELIQUISHED BY (Signature)				DATE				RECEIVED BY (Signature)				DATE								
RELIQUISHED BY (Signature)				DATE				RECEIVED BY (Signature)				DATE								
COMPANY				TIME				COMPANY				TIME								
RELIQUISHED BY (Signature)				DATE				RECEIVED BY (Signature)				DATE								
COMPANY				TIME				COMPANY				TIME								
RELIQUISHED BY (Signature)				DATE				RECEIVED BY (Signature)				DATE								
COMPANY				TIME				COMPANY				TIME								
LABORATORY INSTRUCTIONS/COMMENTS												SAMPLING COMMENT: CT09 Astro Sites H Oct 2011								
COMPOSITE DESCRIPTION																				
SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																				
TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																				

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66040

Sample ID: 9-595

APPL ID: AY48921

Sample Collection Date: 10/19/11

QCG: #TPMFW-111021A-160906

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/21/11	11/03/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	77.0	47-140		%	10/21/11	11/03/11

Quant Method: DMK1028.M
Run #: 1103022
Instrument: Apollo
Sequence: 111103
Dilution Factor: 1
Initials: LA

Printed: 11/07/11 5:14:58 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66040

Sample ID: 9-596

APPL ID: AY48922

Sample Collection Date: 10/19/11

QCG: #TPMFW-111021A-160906

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/21/11	11/03/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	77.1	47-140		%	10/21/11	11/03/11

Quant Method: DMK1028.M
Run #: 1103023
Instrument: Apollo
Sequence: 111103
Dilution Factor: 1
Initials: LA

Printed: 11/07/11 5:14:58 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66040

Sample ID: 9-597

APPL ID: AY48923

Sample Collection Date: 10/19/11

QCG: #TPMFW-111021A-160906

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/21/11	11/03/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	137	47-140		%	10/21/11	11/03/11

Quant Method: DMK1028.M
Run #: 1103024
Instrument: Apollo
Sequence: 111103
Dilution Factor: 1
Initials: LA

Printed: 11/07/11 5:14:58 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-598

Sample Collection Date: 10/19/11

ARF: 66040

APPL ID: AY48924

QCG: #TPMFW-111021A-160906

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/21/11	11/03/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	77.3	47-140		%	10/21/11	11/03/11

Quant Method: DMK1028.M
Run #: 1103025
Instrument: Apollo
Sequence: 111103
Dilution Factor: 1
Initials: LA

Printed: 11/07/11 5:14:58 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66040

Sample ID: 9-599

APPL ID: AY48925

Sample Collection Date: 10/19/11

QCG: #TPMFW-111021A-160906

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/21/11	11/03/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/21/11	11/03/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	68.2	47-140		%	10/21/11	11/03/11

Quant Method: DMK1028.M
Run #: 1103026
Instrument: Apollo
Sequence: 111103
Dilution Factor: 1
Initials: LA

Printed: 11/07/11 5:14:58 PM
APPL-F1-SC-NoMC-REG MDLs



TETRA TECH
1230 Columbia Street, Suite 750
San Diego, CA 92101 (619) 234-8696

NUMBER 31180

ENTERED

CHAIN-OF-CUSTODY RECORD

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory				
PROJECT LOCATION		PROJECT NO.		LABORATORY ID		LABORATORY NAME		LABORATORY ID (FOR LABORATORY)		COMMENTS		LOCATION		DEPTH						QC
SAMPLER NAME		AIRBILL NUMBER		START		END		TB		N		N		N						FD
PROJECT CONTACT		PROJECT CONTACT PHONE NUMBER		START		END		TB		N		N		N						FD
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL	T	P	A	T												
				3	4															
9-TB39	10-20-11	1015	6	X																
9-600		1030	33	X																
9-601		1142	13	X																
9-602		1230	13	X																
9-603		1317	13	X																
9-604		1335	10	X																
9-605		1430	13	X																
9-EB47		1515	13	X																
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS																	
COMPANY	TIME	COMPANY	COMPOSITE DESCRIPTION																	
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																	
COMPANY	TIME	COMPANY	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																	
			COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																	

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-600

APPL ID: AY49060

Sample Collection Date: 10/20/11

QCG: #86MFW-111030AM-160831

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/30/11	10/30/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/30/11	10/30/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/30/11	10/30/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROENZENE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/30/11	10/30/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/30/11	10/30/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/30/11	10/30/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	108	70-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	100	75-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	104	85-120		%	10/30/11	10/30/11

Quant Method: MALLW.M
Run #: 1030M17
Instrument: Max
Sequence: M111019A
Dilution Factor: 1
Inits: SV

Printed: 11/04/11 2:44:04 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-601

APPL ID: AY49061

Sample Collection Date: 10/20/11

QCG: #86MFW-111030AM-160831

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/30/11	10/30/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/30/11	10/30/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/30/11	10/30/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/30/11	10/30/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/30/11	10/30/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/30/11	10/30/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	107	70-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	101	75-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.9	85-120		%	10/30/11	10/30/11

Quant Method: MALLW.M
Run #: 1030M18
Instrument: Max
Sequence: M111019A
Dilution Factor: 1
Initials: SV

Printed: 11/04/11 2:44:04 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-602

APPL ID: AY49062

Sample Collection Date: 10/20/11

QCG: #86MFW-111030AM-160831

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/30/11	10/30/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/30/11	10/30/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	BENZENE	Not detected	0.5	0.18	ug/L	10/30/11	10/30/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/30/11	10/30/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/30/11	10/30/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/30/11	10/30/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	TOLUENE	0.75	0.5	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/30/11	10/30/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	114	70-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.8	75-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.0	85-120		%	10/30/11	10/30/11

Quant Method: MALLW.M
Run #: 1030M19
Instrument: Max
Sequence: M111019A
Dilution Factor: 1
Initials: SV

Printed: 11/04/11 2:44:05 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-603

APPL ID: AY49063

Sample Collection Date: 10/20/11

QCG: #86MFW-111030AM-160831

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/30/11	10/30/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/30/11	10/30/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/30/11	10/30/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/30/11	10/30/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/30/11	10/30/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/30/11	10/30/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	114	70-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	100	75-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.9	85-120		%	10/30/11	10/30/11

Quant Method: MALLW.M
Run #: 1030M20
Instrument: Max
Sequence: M111019A
Dilution Factor: 1
Initials: SV

Printed: 11/04/11 2:44:05 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-604

APPL ID: AY49064

Sample Collection Date: 10/20/11

QCG: #86MFW-111030AM-160831

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/30/11	10/30/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/30/11	10/30/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/30/11	10/30/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/30/11	10/30/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/30/11	10/30/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/30/11	10/30/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	107	70-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	96.0	75-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	85-120		%	10/30/11	10/30/11

Quant Method: MALLW.M
Run #: 1030M21
Instrument: Max
Sequence: M111019A
Dilution Factor: 1
Initials: SV

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APPL-F1-SC-NoMC-REG MDLs

EPA 8260B WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-605

APPL ID: AY49065

Sample Collection Date: 10/20/11

QCG: #86MFW-111030AM-160831

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1-TRICHLOROETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	1,1,2-TRICHLOROETHANE	Not detected	5.0	0.20	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	1,1-DICHLOROETHENE	Not detected	0.5	0.30	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROETHANE	Not detected	0.5	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	1,2-DICHLOROPROPANE	Not detected	5.0	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	2-BUTANONE	Not detected	5.0	0.60	ug/L	10/30/11	10/30/11
EPA 8260B	2-HEXANONE	Not detected	10	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	4-METHYL-2-PENTANONE	Not detected	5.0	1.90	ug/L	10/30/11	10/30/11
EPA 8260B	ACETONE	Not detected	50	0.9	ug/L	10/30/11	10/30/11
EPA 8260B	BENZENE	Not detected	0.5	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	BROMODICHLOROMETHANE	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOFORM	Not detected	5.0	0.14	ug/L	10/30/11	10/30/11
EPA 8260B	BROMOMETHANE	Not detected	5.0	0.24	ug/L	10/30/11	10/30/11
EPA 8260B	CARBON TETRACHLORIDE	Not detected	5.0	0.10	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROBENZENE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROETHANE	Not detected	5.0	0.21	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROFORM	Not detected	5.0	0.07	ug/L	10/30/11	10/30/11
EPA 8260B	CHLOROMETHANE	Not detected	5.0	0.31	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	CIS-1,3-DICHLOROPROPENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	DIBROMOCHLOROMETHANE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	ETHYLBENZENE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	METHYL TERT-BUTYL ETHER	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	METHYLENE CHLORIDE	Not detected	50	0.3	ug/L	10/30/11	10/30/11
EPA 8260B	STYRENE	Not detected	5.0	0.25	ug/L	10/30/11	10/30/11
EPA 8260B	TETRACHLOROETHENE	Not detected	5.0	0.15	ug/L	10/30/11	10/30/11
EPA 8260B	TOLUENE	Not detected	0.5	0.17	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	Not detected	5.0	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	Not detected	5.0	0.18	ug/L	10/30/11	10/30/11
EPA 8260B	TRICHLOROETHENE	Not detected	5.0	0.16	ug/L	10/30/11	10/30/11
EPA 8260B	VINYL CHLORIDE	Not detected	0.5	0.23	ug/L	10/30/11	10/30/11
EPA 8260B	XYLENES	Not detected	1.5	0.19	ug/L	10/30/11	10/30/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHAN	109	70-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	99.8	75-120		%	10/30/11	10/30/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	102	85-120		%	10/30/11	10/30/11

Quant Method: MALLW.M
Run #: 1030M22
Instrument: Max
Sequence: M111019A
Dilution Factor: 1
Initials: SV

Printed: 11/04/11 2:44:05 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-600

APPL ID: AY49060

Sample Collection Date: 10/20/11

QCG: #87WLL-111026A-160801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	53.9	50-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	82.3	40-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	88.1	50-135		%	10/26/11	10/30/11

Quant Method: SIM2.M
Run #: 1030L028
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:05:14 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-601

APPL ID: AY49061

Sample Collection Date: 10/20/11

QCG: #87WLL-111026A-160801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	NAPHTHALENE	0.081 J	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	SURROGATE: 2-FLUOROBIPHENYL (S)	54.4	50-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	82.8	40-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	82.1	50-135		%	10/26/11	10/30/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 1030L029
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:05:14 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-602

APPL ID: AY49062

Sample Collection Date: 10/20/11

QCG: #87WLL-111026A-160801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	55.8	50-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	62.8	40-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	83.8	50-135		%	10/26/11	10/30/11

Quant Method: SIM2.M
Run #: 1030L030
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:05:14 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-603

APPL ID: AY49063

Sample Collection Date: 10/20/11

QCG: #87WLL-111026A-160801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	BENZO(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	58.5	50-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	54.9	40-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	78.3	50-135		%	10/26/11	10/30/11

Quant Method: SIM2.M
Run #: 1030L031
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-604

APPL ID: AY49064

Sample Collection Date: 10/20/11

QCG: #87WLL-111026A-160801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	57.8	50-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	64.0	40-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	76.8	50-135		%	10/26/11	10/30/11

Quant Method: SIM2.M
Run #: 1030L032
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:05:14 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8270C Low Level PAH

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-605

APPL ID: AY49065

Sample Collection Date: 10/20/11

QCG: #87WLL-111026A-160801

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8270CLL	ACENAPHTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ACENAPHTHYLENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	BENZ(A)ANTHRACENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(A)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	BENZO(B)FLUORANTHENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	BENZO(G,H,I)PERYLENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	BENZO(K)FLUORANTHENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	CHRYSENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	DIBENZ(A,H)ANTHRACENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	FLUORANTHENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	FLUORENE	Not detected	0.2	0.06	ug/L	10/26/11	10/30/11
8270CLL	INDENO(1,2,3-CD)PYRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	NAPHTHALENE	Not detected	0.2	0.05	ug/L	10/26/11	10/30/11
8270CLL	PHENANTHRENE	Not detected	0.2	0.07	ug/L	10/26/11	10/30/11
8270CLL	PYRENE	Not detected	0.2	0.08	ug/L	10/26/11	10/30/11
8270CLL	SURROGATE: 2-FLUORBIPHENYL (S)	57.4	50-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: NITROBENZENE-D5 (S)	68.6	40-110		%	10/26/11	10/30/11
8270CLL	SURROGATE: TERPHENYL-D14 (S)	60.7	50-135		%	10/26/11	10/30/11

Quant Method: SIM2.M
Run #: 1030L033
Instrument: Llnus
Sequence: L111027
Dilution Factor: 1
Initials: LF

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APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-600

APPL ID: AY49060

Sample Collection Date: 10/20/11

QCG: #GSWCT-111101A-160805

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	11/01/11	11/01/11
8015	SURROGATE: BFB-FID (S)	71.7	70-130		%	11/01/11	11/01/11

Quant Method: HGAS.M
Run #: 1101H07
instrument: Harpo
Sequence: 110217
Dilution Factor: 1
initials: LF

Printed: 11/03/11 6:03:21 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-601

Sample Collection Date: 10/20/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 66058

APPL ID: AY49061

QCG: #GSWCT-111101A-160805

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	11/01/11	11/01/11
8015	SURROGATE: BFB-FID (S)	81.2	70-130		%	11/01/11	11/01/11

Quant Method: HGAS.M
Run #: 1101H08
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:03:21 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-602
Sample Collection Date: 10/20/11

ARF: 66058
APPL ID: AY49062
QCG: #GSWCT-111101A-160805

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	11/01/11	11/01/11
8015	SURROGATE: BFB-FID (S)	73.2	70-130		%	11/01/11	11/01/11

Quant Method: HGAS.M
Run #: 1101H09
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:03:22 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-603
Sample Collection Date: 10/20/11

ARF: 66058
APPL ID: AY49063
QCG: #GSWCT-111101A-160805

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	11/01/11	11/01/11
8015	SURROGATE: BFB-FID (S)	72.3	70-130		%	11/01/11	11/01/11

Quant Method: HGAS.M
Run #: 1101H10
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:03:22 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
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APPL Inc.
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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-604

Sample Collection Date: 10/20/11

ARF: 66058

APPL ID: AY49064

QCG: #GSWCT-111101A-160805

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	11/02/11	11/02/11
8015	SURROGATE: BFB-FID (S)	74.0	70-130		%	11/02/11	11/02/11

Quant Method: HGAS.M
Run #: 1101H11
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:03:22 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHp Water

Tetra Tech EC, Inc.
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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-605

APPL ID: AY49065

Sample Collection Date: 10/20/11

QCG: #GSWCT-111101A-160805

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
8015	GASOLINE	Not detected	0.020	0.0086	mg/L	11/02/11	11/02/11
8015	SURROGATE: BFB-FID (S)	77.1	70-130		%	11/02/11	11/02/11

Quant Method: HGAS.M
Run #: 1101H12
Instrument: Harpo
Sequence: 110217
Dilution Factor: 1
Initials: LF

Printed: 11/03/11 6:03:22 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-600

APPL ID: AY49060

Sample Collection Date: 10/20/11

QCG: #TPMFW-111027A-160832

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/27/11	10/28/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	87.2	47-140		%	10/27/11	10/28/11

Quant Method: DMK1028.M
Run #: 1028033
Instrument: Apollo
Sequence: 111028
Dilution Factor: 1
Initials: LA

Printed: 11/04/11 2:46:06 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

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908 North Temperance Avenue
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Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-601

APPL ID: AY49061

Sample Collection Date: 10/20/11

QCG: #TPMFW-111027A-160832

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/27/11	10/28/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	85.1	47-140		%	10/27/11	10/28/11

Quant Method: DMK1028.M
Run #: 1028034
Instrument: Apollo
Sequence: 111028
Dilution Factor: 1
Initials: LA

Printed: 11/04/11 2:46:06 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058
APPL ID: AY49062
QCG: #TPMFW-111027A-160832

Sample ID: 9-602

Sample Collection Date: 10/20/11

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/27/11	10/28/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	86.2	47-140		%	10/27/11	10/28/11

Quant Method: DMK1028.M
Run #: 1028035
Instrument: Apollo
Sequence: 111028
Dilution Factor: 1
Initials: LA

Printed: 11/04/11 2:46:06 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko

Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-603

APPL ID: AY49063

Sample Collection Date: 10/20/11

QCG: #TPMFW-111027A-160832

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/27/11	10/28/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	90.3	47-140		%	10/27/11	10/28/11

Quant Method: DMK1028.M
Run #: 1028036
Instrument: Apollo
Sequence: 111028
Dilution Factor: 1
Initials: LA

Printed: 11/04/11 2:46:06 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-604

APPL ID: AY49064

Sample Collection Date: 10/20/11

QCG: #TPMFW-111027A-160832

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/27/11	10/28/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	81.5	47-140		%	10/27/11	10/28/11

Quant Method: DMK1028.M
Run #: 1028037
Instrument: Apollo
Sequence: 111028
Dilution Factor: 1
Initials: LA

Printed: 11/04/11 2:46:06 PM
APPL-F1-SC-NoMC-REG MDLs

EPA 8015B TPHE WATER

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66058

Sample ID: 9-605

APPL ID: AY49065

Sample Collection Date: 10/20/11

QCG: #TPMFW-111027A-160832

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	Not detected	0.05	0.040	mg/L	10/27/11	10/28/11
EPA 8015B-	JP5	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	KEROSENE	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	MOTOR OIL	Not detected	0.5	0.11	mg/L	10/27/11	10/28/11
EPA 8015B-	SURROGATE: OCTACOSANE (S)	94.3	47-140		%	10/27/11	10/28/11

Quant Method: DMK1028.M
Run #: 1028038
Instrument: Apollo
Sequence: 111028
Dilution Factor: 1
Initials: LA

Printed: 11/04/11 2:46:07 PM
APPL-F1-SC-NoMC-REG MDLs

RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-600
Sample Collection Date: 10/20/11

ARF: 66059
APPL ID: AY49067
QCG: #RSKT-111025A-160555

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	13	1.0	0.25	ug/L	10/26/11	10/26/11

Quant Method: RSK175Q.M
Run #: 1026F011
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/27/11 3:44:58 PM
APPL-F1-SC-NoMC-REG MDLs

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Clovis, CA 93611

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66059

Sample ID: 9-601

APPL ID: AY49068

Sample Collection Date: 10/20/11

QCG: #RSKT-1 11025A-160555

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	410	1.0	0.25	ug/L	10/26/11	10/26/11

Quant Method: RSK175Q.M
Run #: 1026F012
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/27/11 3:44:58 PM
APPL-F1-SC-NoMC-REG MDLs

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Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

ARF: 66059
APPL ID: AY49069
QCG: #RSKT-111025A-160555

Sample ID: 9-602
Sample Collection Date: 10/20/11

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	2.4	1.0	0.25	ug/L	10/26/11	10/26/11

Quant Method: RSK175Q.M
Run #: 1026F013
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

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RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field
Sample ID: 9-603
Sample Collection Date: 10/20/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 66059
APPL ID: AY49070
QCG: #RSKT-111025A-160555

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	2.1	1.0	0.25	ug/L	10/26/11	10/26/11

Quant Method: RSK175Q.M
Run #: 1026F014
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

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RSK 175

Tetra Tech EC, Inc.
17885 Von Karman Ave. Ste 500
Irvine, CA 92614

Attn: Sabina Sudoko
Project: 3570.009.E CTO9 Petro Site Moffett Field

Sample ID: 9-605
Sample Collection Date: 10/20/11

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 66059
APPL ID: AY49071
QCG: #RSKT-111025A-160555

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
RSK 175	METHANE	420	1.0	0.25	ug/L	10/26/11	10/26/11

Quant Method: RSK175Q.M
Run #: 1026F016
Instrument: Frodo
Sequence: 110228
Dilution Factor: 1
Initials: LF

Printed: 10/27/11 3:44:58 PM
APPL-F1-SC-NoMC-REG MDLs

APPENDIX D
PROJECT PHOTOGRAPHS

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Photograph D-1. Utility locating and mark out



Photograph D-2. Hand Augering and soil sampling at Zook Rd



Photograph D-3. Removing and segregating clean overburden at Zook Rd



Photograph D-4. Excavating contaminated soil



Photograph D-5. Collecting sidewall sample



Photograph D-6. Clean overburden (covered), water tank, and roll-off bins



Photograph D-7. Adding ORC to crushed rock backfill



Photograph D-8. Geotextile fabric on top of crushed rock



Photograph D-9. Compacting clean overburden



Photograph D-10. Final grade



Photograph D-11. Santa Clara Water District Inspector visit during well installation



Photograph D-12. Location survey at Zook Road Fuel Spill Site (well ZRW4 in background)



Photograph D-13. Vacuum excavation along Sump 63 pipeline



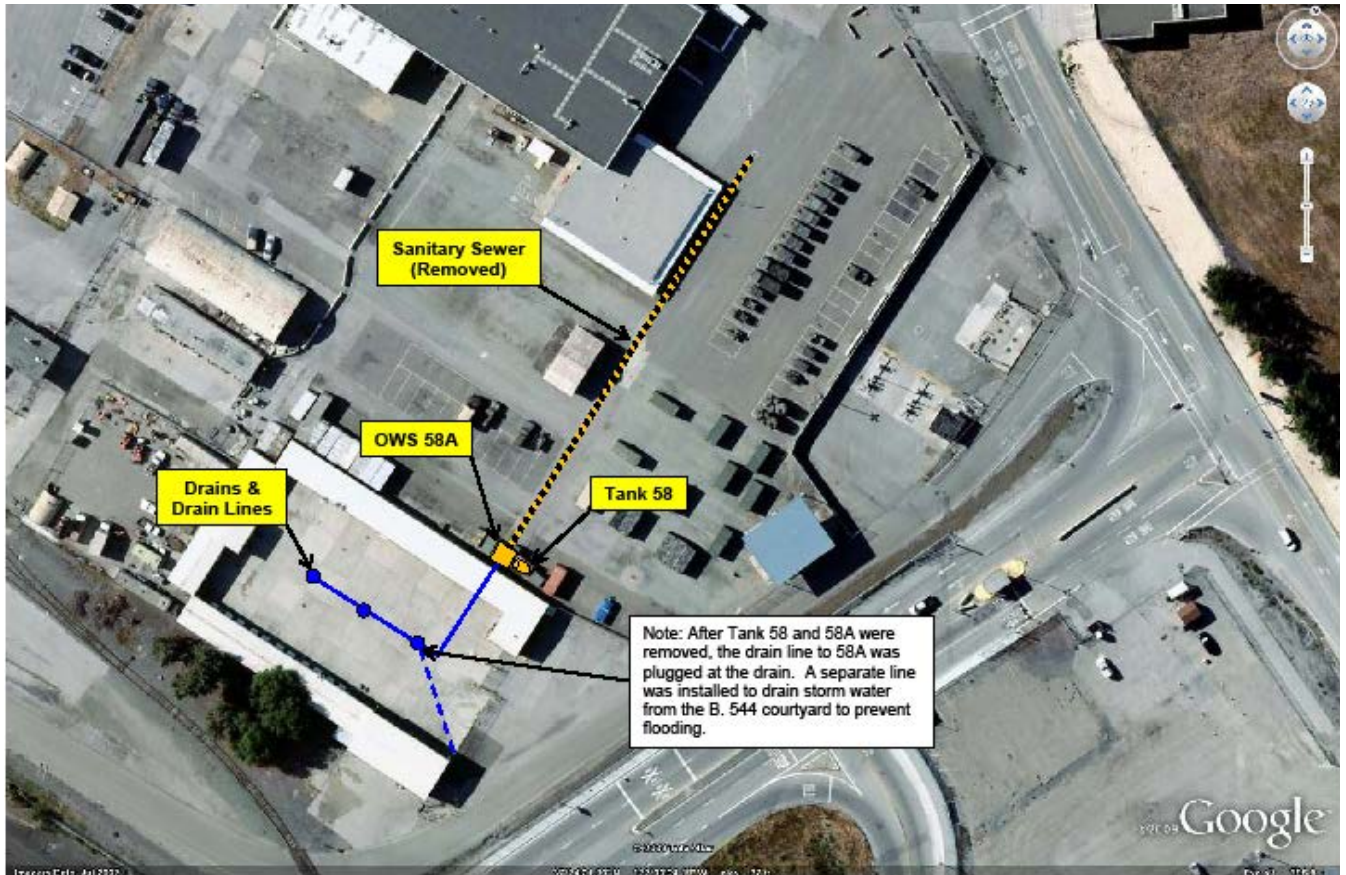
Photograph D-14. Exposed red clay pipeline (upper left)



Photograph D-15. Sampling along pipeline



Photograph D-16. HydroPunch locations on both sides of the pipeline trench



Photograph D-17. UST 58 and Bldg. 544 sewer and drain line configuration



Photograph D-18. Core cutting in Bldg. 544 courtyard (note bldg. open to courtyard)



Photograph D-19. Well installation Former UST 58 (Bldg. 544 in background)



Photograph D-20. Core from well W58-3



Photograph D-21. Well purging and parameter monitoring before sampling

APPENDIX E
DATA QUALITY ASSESSMENT

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APPENDIX E

DATA QUALITY ASSESSMENT

This data quality assessment was prepared to evaluate the implementation of the sampling and analysis procedures detailed in the final Sampling and Analysis Plan (SAP) for petroleum sites sampling and evaluation for closure or removal actions at Former Naval Air Station Moffett Field, Moffett Field, California (TtEC 2009). Sample results discussed herein are associated with the sites recommended for closure as described in this report.

The samples were analyzed by APPL, Inc., a state of California-certified and Navy-evaluated laboratory. Subsequently, a third-party validation company (Laboratory Data Consultants, Inc.) performed data validation on all sample analyses. The validation was conducted in accordance with Environmental Work Instruction #1, 3EN2.1, Chemical Data Validation (SWDIV 2001), the Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008 (EPA 1999), the Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-0-/004 (EPA 2004), the Quality Systems Manual for Environmental Laboratories (DoD 2009), and the criteria specified in the SAP (TtEC 2009). Twenty percent of the samples were validated in accordance with a U.S. Environmental Protection Agency (EPA) Level IV-equivalent protocol. The remainder of the samples were validated with an EPA Level III-equivalent protocol.

The summary tables of analytical results for the sites recommended for closure are presented in Tables 3-1 and 3-2 of the main report. In addition, the chain-of-custody records and laboratory analytical results are included in Appendix C of the main report. Complete data packages (including raw data) and data validation reports will be provided as an attachment to this report for the Navy Administrative Record copy only.

The following sections describe the fulfillment of the field quality control (QC) sampling objectives and analytical QC objectives for this project.

1.1 FIELD QUALITY CONTROL SAMPLING OBJECTIVES

In accordance with the SAP (TtEC 2009), field QC sampling objectives included the collection of field duplicates (1 per 10 groundwater samples), matrix spike (MS)/matrix spike duplicates (MSDs) (1 per 20 samples), source blanks (1 per lot of source water from the laboratory used for equipment blank sample collection), equipment blanks (1 per day when nondisposable sampling equipment was used), and trip blanks (1 per cooler of water samples for volatile analysis). For this project, all field QC sampling objectives were met, and the following sections describe data qualifications/flagging for results that did not meet criteria.

1.1.1 Field Duplicates

Field duplicates consist of two samples (an original and a duplicate) of the same matrix collected at the same time and location, to the extent possible, using the same sampling technique. The purpose of the field duplicate is to evaluate the precision of the overall sample collection and analysis process through the calculation of the relative percent difference (RPD) for duplicate pairs.

The RPD QC limit was established at 25 percent, and field duplicate pairs not meeting this criterion can be attributed to the following:

- Both the original and duplicate results are reported at low concentrations below or just above the quantitation limit, which can produce variability, leading to greater RPDs.
- One or both results are qualified as estimated, rejected, or not detected.

The results and RPDs for the field duplicates collected for this project (samples denoted as FD in Table 3-2) were evaluated, and no results were flagged as a result of field duplicate RPDs.

1.1.2 Matrix Spike and Matrix Spike Duplicate

MS/MSD samples are prepared for chemical analysis by spiking the samples with a known amount of a target analyte. Once the spike is added to the MS/MSD samples, the samples are carried through the complete sample preparation process along with the other samples in the batch. The percent recoveries (%R) for the MS/MSD samples are compared against each other and against the known amount of the spike to measure the accuracy of the analytical method. RPD values from the MS/MSD samples are calculated to evaluate the analytical precision of the method.

For the MS/MSDs collected for this project, the %R and RPDs were within the specified QC limits described in the SAP (TtEC 2009) except for the following:

Sample ID	Analysis	Analyte	Flagging
9-115, 9-116, 9-117, 9-118, 9-119, 9-120, 9-132, 9-133, 9-134, 9-135, 9-138, 9-140, 9-147 9-203, 9-205, 9-207, 9-109, 9-112	EPA 6010B	Cadmium	UJ, J
9-115, 9-116, 9-117, 9-118, 9-119, 9-120, 9-132, 9-133, 9-134, 9-135, 9-138, 9-140, 9-142, 9-147	EPA 6010B	Chromium, lead, nickel, zinc	J
9-103, 9-104, 9-105, 9-106, 9-107, 9-108, 9-109, 9-110, 9-111, 9-112, 9-113, 9-114, 9-136	EPA 6010B	Chromium, lead, nickel	J

Sample ID	Analysis	Analyte	Flagging
9-203, 9-205, 9-207	EPA 6010B	Lead, nickel, zinc	J
9-114	EPA 8260B	Benzene, chlorobenzene, trichloroethene	UJ
9-511	EPA 8260B	1,1-dichloroethene, chlorobenzene, trichloroethene, benzene, toluene	UJ, J
9-540, 9-547, 9-558	EPA 8015B	Diesel range organics	UJ
9-558	EPA 8015B	JP-5, kerosene, motor oil	UJ
9-511	EPA 8015B	Gasoline range organics	J

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.1.3 Source Blank

A source blank consists of analyte-free, reagent-grade water provided by the laboratory to be used for the collection of equipment blank samples. A source blank sample is collected for each lot of water from the laboratory in the event the laboratory does not certify the water clean (i.e., project analytes not detected above quantitation limits) prior to sending.

For this project, the laboratory water used for equipment blanks was certified clean; therefore, no source blank was collected for this project.

1.1.4 Equipment Blank

The equipment blank sample evaluates the effectiveness of the decontamination procedure and is required to be collected at a frequency of one per day if nondisposable sampling equipment is used. Equipment blank samples are analyte-free water collected from the final rinse during the decontamination process and analyzed for the same analytes as the original samples. Effective decontamination is validated when equipment blank results are not detected above the quantitation limits.

For the equipment blanks collected for this project, no results were detected above the quantitation limits for the chemicals of concern.

1.1.5 Trip Blanks

Trip blanks are prepared by the laboratory, carried into the field, and stored with groundwater samples for volatile analysis. Trip blanks are used to determine whether samples have been cross-contaminated with volatile organic compounds or gasoline compounds during sample collection and transportation to the laboratory. Trip blanks are provided in each cooler, which contain water samples for volatile analysis. No cross-contamination is validated when the trip blank results are not detected above the quantitation limits.

For the trip blanks collected for this project, no results were detected above the quantitation limits.

1.2 ANALYTICAL DATA QUALITY OBJECTIVES

The following sections describe the fulfillment of the analytical data quality objectives for this project in terms of precision, accuracy, representativeness, completeness, and comparability parameters, as described in the SAP (TtEC 2009).

1.2.1 Precision and Accuracy

In accordance with the analytical methods, the Quality Systems Manual for Environmental Laboratories (DoD 2006), and the SAP (TtEC 2009) specifications, the following parameters were assessed by the third-party validation company as applicable to the analyses, and associated results were qualified when QC requirements were not achieved:

- Technical holding times and preservation
- Instrument performance checks
- Initial and continuing calibration verifications
- Method blanks
- Surrogates
- Laboratory control samples
- Internal standards
- Inductively coupled plasma (ICP) serial dilution
- Target compound identification
- System performance

1.2.1.1 Technical Holding Times and Preservation

Sample holding times and preservation requirements were checked against QC criteria, and all QC requirements were met except for the following:

Sample ID	Analysis	Analyte	Flagging
9-144	EPA 300.0	Nitrate	UJ
9-210	EPA 8015B	Diesel range organics, JP-5, kerosene, motor oil	UJ

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.2.1.2 Instrument Performance Checks

Instrument performance checks were completed, and all QC requirements were met.

1.2.1.3 Initial and Continuing Calibration Verifications

Percent relative standard deviations and relative response factors of the initial calibration and percent differences of the continuing calibration met the QC requirement for all samples except as follows:

Sample ID	Analysis	Analyte	Flagging
9-143	EPA 6020	Cadmium	U
9-104, 9-119, 9-134	EPA 8015B	Gasoline range organics	J
9-025, 9-031	EPA 8015B	Diesel range organics	UJ
9-018, 9-019, 9-020, 9-022, 9-023, 9-029, 9-033, 9-034, 9-035, 9-137	EPA 8015B	Motor oil	UJ
9-111, 9-117, 9-118, 9-119, 9-132, 9-133, 9-134, 9-135, 9-147	EPA 8260B	2-Hexanone, bromomethane	UJ
9-144, 9-194, 9-197, 9-200, 9-204, 9-206, 9-208, 9-209, 9-559	EPA 8260B	Bromomethane	UJ
9-119, 9-137	EPA 8260B	Acetone	J, UJ
9-209	EPA 8260B	Chloromethane	UJ
9-119	EPA 8260B	1,1,2,2-Tetrachloroethane, 4-methyl-2-pentanone	UJ
9-563	EPA 8260B	Vinyl chloride	UJ

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.2.1.4 Method Blanks

Sample concentrations were compared to concentrations detected in the method blanks. For sample concentrations either not detected or less than 5 times blank contaminant concentrations, associated results were flagged “U” (not detected). For sample concentrations detected but greater than 5 times blank contaminant concentrations, sample results were not affected.

For this project, no sample results were qualified as a result of method blank contamination with the exception of the following:

Sample ID	Analysis	Analyte	Flagging
9-209, 9-203, 9-205	EPA 6010B	Cadmium	U, UJ
9-139	EPA 6020	Chromium	U
9-144	EPA 6020	Zinc	U
9-550, 9-552	EPA 8260B	Acetone	U

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.2.1.5 Surrogates

Surrogate percent recoveries were within QC limits for all applicable analyses except for the following:

Sample ID	Analysis	Analyte	Flagging
9-108, 9-133, 9-511, 9-583, 9-586	EPA 8015B	Gasoline range organics	J
9-209, 9-586	EPA 8015B	Diesel range organics, JP-5, kerosene, motor oil	J
9-103, 9-105	EPA 8260B	Acetone	J
9-104, 9-583	EPA 8260B	Acetone, chlorobenzene, toluene	J
9-107	EPA 8260B	Acetone, chlorobenzene, ethylbenzene, total xylenes	J
9-108	EPA 8260B	All analytes	UJ for non-detects and J for detects
9-142	EPA 8260B	Benzene, toluene	J
9-207	EPA 8260B	Benzene	J
9-511	EPA 8260B	Acetone, benzene, toluene, total xylenes	J
9-583	EPA 8260B	Styrene, tetrachloroethene	J
9-586	EPA 8260B	Chlorobenzene, total xylenes	J

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.2.1.6 Laboratory Control Samples

Laboratory control samples were within QC limits for all analyses except for the following:

Sample ID	Analysis	Analyte	Flagging
9-143	EPA 8015B	Diesel Range Organics	J

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.2.1.7 Internal Standards

Internal standard area counts and retention times were within QC limits except for the following:

Sample ID	Analysis	Analyte	Flagging
9-119	EPA 8260B	1,1,2,2-Tetrachloroethane, 2-hexanone, 4-methyl-2-pentanone, bromomethane, acetone	UJ, J
9-104, 9-136	EPA 8260B	All analytes	UJ

Sample ID	Analysis	Analyte	Flagging
9-111	EPA 8260B	1,1,2,2-Tetrachloroethane, 4-methyl-2-pentanone	UJ
9-583	EPA 8260B	1,1,2,2-Tetrachloroethane	R

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.2.1.8 ICP Serial Dilution

ICP serial dilutions (applicable to metals analysis only) were within QC limits except for the following:

Sample ID	Analysis	Analyte	Flagging
9-203, 9-205, 9-207	EPA 6010B	Chromium	J

These sample results were flagged as indicated above in Tables 3-1 and/or 3-2 of the main report.

1.2.1.9 Target Compound Identification

All target analytes were correctly identified.

1.2.1.10 System Performance

System performance met all QC requirements, and no discrepancies were reported.

1.2.2 Representativeness

Representative data were obtained through selection of sampling locations and analytical parameters to meet the data quality objectives of this project. Proper collection and handling of samples and the use of established field and laboratory procedures as described in the SAP (TtEC 2009) were followed.

1.2.3 Completeness

The percent completeness is defined as the percentage of measurements that are judged to be valid. The completeness goal is to generate a sufficient amount of valid data to meet project objectives. Completeness is calculated and reported for each method, matrix, and analyte combination. The number of valid results divided by the number of possible individual analyte results, expressed as a percentage, determines the completeness of the data set. For completeness requirements, valid results are all results not qualified with an “R” flag for rejected. The requirement for completeness for this project is 95 percent.

The percent completeness for results for this project is 99 percent, thereby meeting the completeness goal for this project.

1.2.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. Sample data should be comparable with other measurements for similar samples and sample conditions. The objective for the quality assurance/QC program is to produce data with the greatest possible degree of comparability. The number of matrices that are sampled and the range of field conditions encountered are considered in determining comparability. Comparability was achieved for this project by using standard methods for sampling and analysis, reporting data in standard units, normalizing results to standard conditions, and using standard and comprehensive reporting formats.

1.3 OVERALL ASSESSMENT OF DATA

The data collected during field activities are valid and usable and have been qualified for analytical parameters that did not meet criteria as described above. All samples were collected in accordance to the criteria listed in the SAP (TtEC 2009), and all results were qualified based on guidelines described above. The analytes were found to be of appropriate quality to support the data evaluation detailed in this report.

1.4 REFERENCES

DoD (Department of Defense). 2009. Quality Systems Manual for Environmental Laboratories.

EPA (United States Environmental Protection Agency). 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008.

———. 2004. Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-0-/004.

SWDIV (Southwest Division Naval Facilities Engineering Command). 2001. Environmental Work Instruction (EWI) #1, 3EN2.1, Chemical Data Validation.

TtEC (Tetra Tech EC, Inc.). 2009. Final Sampling and Analysis Plan (SAP) for Petroleum Sites Sampling and Evaluation for Closure or Removal Actions at Former Naval Air Station Moffett Field, Moffett Field, California.