# P & D Environmental, Inc.

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Mr. Patrick Zimski Attorney at Law 5767 Broadway, Suite 102 Oakland, CA 94618

SUBJECT: SUBSURFACE INVESTIGATION REPORT

Piedmont Station, LLC 408 Linda Avenue Piedmont, CA

Dear Mr. Zimski:

P&D Environmental, Inc. (P&D) is pleased to present this report documenting subsurface investigation at the subject site. The purpose of the investigation was to determine if historic use of the property has resulted in environmental contamination. The areas investigated included vaults inside the building, the sewer and drainage piping located at the building perimeter exterior, and groundwater adjacent to and in the vicinity of the building. The contaminants investigated included petroleum hydrocarbons, lead and PCBs. A Site Location Map (Figure 1) and a Site Plan showing sample collection locations (Figure 3) are attached with this report.

This work was performed in accordance with discussions with Mr. Barney Chan of the Alameda County Department of Environmental Health (ACDEH) during a meeting with P&D personnel on July 21, 2005 and a Subsurface Investigation Work Plan prepared by P&D dated September 15, 2005 (document 0361.W1E). All work was performed under the direct supervision of an appropriately registered professional.

#### **BACKGROUND**

The building on the site was constructed by Pacific Gas & Electric Company (PG&E) in 1926 on a formerly vacant lot. The building was vacated by PG&E in 1991. Later site investigations were conducted to determine the presence of lead, Total Petroleum Hydrocarbons and mineral oil in the soil. Except for mineral, oil, the target contaminants were detected in the soil of the site at various concentrations. PG&E initiated work at the site in 2000 that included lead abatement by removal and replacement of the upper two feet of soil on the property. In addition, an investigation completed by Technical and Ecological Services ("TES") in 2000 indicated that PCB levels in the site soils were uniformly below the USEPA Region 9 Preliminary Remediation Goals, and that Total Petroleum Hydrocarbon constituents in the site soils found in three of eight samples was below the San Francisco Bay Regional Water Quality Control Board Risk-Based Environmental Screening Levels for residential land use. On May 12, 2005, Alameda County Health Care Services issued a No Further Action Letter that provided no further remedial action as being required with respect only to the exterior soils at the site.

With respect to the building, PG&E conducted investigations to determine the presence of PCB's, lead, asbestos, Total Petroleum Hydrocarbons and mineral oil. Lead paint, asbestos and PCBs

were found in the building in various concentrations. PG&E's clean up efforts also included removal of accessible asbestos containing material from the interior of the building; removal and encapsulation of peeling lead based paint from the interior walls of the building; and washing of interior walls to remove oil stains on the walls that the analytical results had indicated, in a few locations, trace levels of PCBs were present. Clearance investigations conducted by Kellco report that all accessible asbestos was removed and that the walls were cleaned for PCBs to a height of forty (40) feet.

#### FIELD ACTIVITIES

Prior to performing field activities, permits were obtained from the City of Piedmont and the Alameda County Public Works Agency. In addition, the drilling locations were marked with white paint, Underground Service Alert (USA) was notified for underground utility location, and a health and safety plan was prepared.

## Vault Investigation

On July 6, 2005 P&D personnel observed coring of the concrete floor in each of the four vaults located inside the building. The concrete floor thickness measured approximately 11 inches at each cored location. In Vault 3 and Vault 4 the floor was cored in a sump. In Vault 4 a crack measuring approximately 1/8 inch in width was present on the floor for the majority of the length of the vault, and the concrete floor was cored to remove a cracked section of the floor to determine if the crack fully penetrated the floor slab. Based on visual observation, the crack did not appear to fully penetrate the cored section of floor slab. In addition, the core thickness in the sump in Vault 4 was approximately 21 inches thick.

Clayey silt was encountered immediately beneath the concrete floor slab at each cored location. A 3.5-inch diameter stainless steel hand auger was used to excavate to a depth of 0.25 feet below the bottom of the concrete floor slab at each cored location. A stainless steel sampler lined with a stainless steel or brass tube measuring 2-inches in diameter and 6-inches in length was driven into the bottom of each borehole using a slide hammer. The tube was removed from the sampler and the ends of the tube sequentially covered with aluminum foil and plastic endcaps. The tube was then labeled and placed in a cooler with ice pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling. All excavation and sampling equipment was washed with an Alconox solution followed by a clean water rinse prior to use at each location.

No evidence of odors, staining, discoloration or contamination was observed at any of the locations cored or in any of the soil samples collected. The locations of the vaults in the building are shown in Figure 2, and the sample collection locations are shown in Figure 3.

## Test Pit Investigation

On July 6 and 7, 2006 test pits were excavated adjacent to each of the building exterior walls with the exception of an 18 foot long wall that faces into the courtyard on the north side of the building (a concrete slab extended up to the wall for the entire length of the wall). Trenches were also excavated between the building and the sidewalk at the south corner of the building. A total of five soil samples designated as T1 through T5 were collected to characterize conditions in the test pits and trenches. The soil samples were collected from the bottom of the test pits or trenches

directly into stainless steel or brass tubes. The tubes were managed as described above. Figures 5 through 9 show site plan details for each of the excavated areas. A discussion of the observations at each excavated location are provided below.

#### East Side

Buried pipes on the east side of the building included the following: terra cotta pipes for the roof downspout drainage, steel pipe for the existing roof downspout drainage, sanitary sewer steel pipe, vitrified clay pipe (speculated to be old roof drain-related pipe), and a steel water pipe. Each is described below.

The sanitary sewer pipe inside the building was observed to penetrate the building wall to the building exterior adjacent to the sewer cleanout located outside the building. To observe the sewer pipe and cleanout connections, the sewer pipe was uncovered. The sewer pipe was observed to be oriented parallel to the east side of the building. The pipe was constructed of 5-inch diameter steel with bell fitting joints. The depth to the top of the pipe was approximately 22 inches. The joints for the pipe were exposed between the clean out and the sidewalk. The bells were at approximately 6 foot intervals along the pipe. No evidence of staining was observed. Soil samples T1 and T2 were collected beneath this pipe at the two joints closest to the sidewalk (one sample per joint, T1 closest to the street). In addition, a soil sample (T3) was collected beneath a joint where the cleanout and the pipe penetrating the wall joined. The T3 sample collection location is believed to be the location where PCBs were detected inside the pipe during previous investigation of the site by TES in 1999 and 2000.

The downspouts from the roof have been re-routed a few feet above the ground into piping that has been mounted to the building using uni-strut. The wall-mounted piping is directed into a buried steel pipe on the east side of the building. The downspouts from the roof were observed to be connected to a 5-inch diameter steel pipe. The top of the pipe was visible at the ground surface. The pipe connects from the building to a pipe oriented parallel to the east side of the building that is located on the west edge of the sidewalk that runs parallel to the east side of the building. This pipe was not further explored.

A concrete catch basin located beneath a downspout from the roof (the location where the downspout was located on the wall prior to being re-routed into the relatively recently installed wall-mounted piping was still visible) was removed and was found to be connected to a terra cotta pipe. The depth to the top of the terra cotta pipe was approximately 14 inches. The terra cotta pipe extended back under the building an unknown distance, and also extended away from the building to a tee. The tee was located between the east side of the building and the sidewalk that is located on the east side of the building. The tee connected to a terra cotta pipe that was oriented diagonally with respect to the east side of the building and perpendicular to the terra cotta pipe that extended beneath the building. The north end of the terra cotta pipe terminated abruptly approximately 8 feet north of the tee. It appears that this is the terra cotta pipe that was described by PG&E as being removed during previous excavation of shallow lead-impacted soil. Black discolored soil that generally appeared to be associated with the fill material located directly beneath and adjacent to the building and located at the north end of the terra cotta pipe was sampled (sample T4). The south end of the terra cotta pipe extended under the sidewalk and was not further explored.

A section of vitrified clay pipe (VCP) was encountered at the same depth as the sanitary sewer type. The VCP was oriented parallel to the sanitary sewer pipe on the east side of the sewer pipe (away from the building). Only a short section of the pipe was exposed. The north end of the pipe was identified beneath the terra cotta pipe, and the VCP was not exposed in a trench excavated adjacent to the sidewalk. This VCP is believed to have been a roof drain pipe that was abandoned.

A Site Vicinity Map obtained from the City of Piedmont Department of Public Works showing sanitary sewer lateral and main pipe locations for the site and site vicinity is attached as Figure 4. Review of the map shows that the only sanitary sewer lateral for the property is located on the east side of the building. A Site Plan Detail showing the pipe locations on the east side of the building is attached with this report as Figure 5.

#### North Side Inside the Courtyard

A test pit measuring approximately 2 feet deep, 4 feet long and 2 feet wide was excavated on the north side of the building exterior inside the courtyard. No buried utilities were located in the test pit. No odors, staining or discoloration were identified. The location of the test pit is shown in Figure 3, and a Site Plan Detail showing the pit is attached as Figure 6.

#### North Side Outside the Courtyard

A test pit measuring approximately 3 feet deep, 10 feet long and 3 feet wide was excavated on the north side of the building exterior outside the courtyard. At the west end of the wall a 3-inch diameter pipe was discovered penetrating the wall at a depth of 18 inches below the ground surface. In addition, adjacent to the pipe penetrating the wall a concrete patch measuring approximately 5 inches in diameter was also observed. Sample T5 was collected from beneath the pipe penetration to the patch. Also discovered in the trench were a water utility box, the 1½ inch diameter steel water pipe (entering the box from the west) and a 2½-inch steel pipe buried at a depth of 33 inches. The pipe did not have any joints and curved around the building corner at the northwest corner of the building. The nature of the pipe is unknown. One of the people digging the trench suggested it was a natural gas pipe, similar to other similar pipes they had seen while excavating similar exploratory trenches. No other utilities were located. No odors, staining or discoloration were identified. The location of the pit is shown in Figure 3, and a Site Plan Detail showing the pit is attached as Figure 7.

#### Northwest Side

A test pit measuring approximately 3 feet deep, 5 feet long and 3 feet wide was excavated on the northwest side of the building exterior. A portion of a 4-inch thick concrete slab was exposed beginning at a depth of 1 ft. 4 in. The slab appears to be located directly beneath where a roof drain pipe is located several feet above the ground and penetrates the building wall to the building exterior. The concrete slab is suspected of being associated with the original building roof drain system. Uni-strut mounted to the building exterior wall now secures above ground piping to the building to route the roof runoff to the street. No other utilities were located. No staining or discoloration were identified. The location of the pit is shown in Figure 3, and a Site Plan Detail showing the pit is attached as Figure 8.

#### West Side

A test pit measuring approximately 3 feet deep, 7 feet long and 3 feet wide was excavated on the west side of the building exterior. A 1-1/2 inch steel water pipe was identified a few inches from the building. No other utilities were located. No odors, staining or discoloration were identified. The location of the pit is shown in Figure 3, and a Site Plan Detail showing the pit is attached as Figure 9.

#### **Borehole Drilling**

On June 30, 2006 P&D personnel oversaw the drilling of boreholes B1, B2, B2a, B3 and B4, and collection of groundwater grab samples from boreholes B3 and B4. The boreholes were continuously cored by Vironex, Inc. of San Leandro, California (Vironex) using Geoprobe direct-push technology to total depths ranging from 15.0 to 25.0 feet below the ground surface. The boreholes were continuously cored using a 5-foot long, 2-inch outside diameter Geoprobe Macrocore barrel sampler lined with cellulose acetate tubes. No soil samples were retained from the boreholes for laboratory analysis.

Drilling refusal was encountered at a depth of 17.0 feet in borehole B2. As a result, borehole B2a was drilled to a total depth of 23.0 feet below the ground surface. Groundwater was initially encountered in boreholes B3 and B4 at depths of 14.0 and 12.5 feet, respectively, and was subsequently measured in the boreholes at depths of 10.6 and 10.3 feet, respectively. Groundwater did not enter boreholes B1, B2 and B2a. A slotted PVC pipe was temporarily placed into borehole B1 to see if groundwater would enter the borehole. Groundwater was measured in the PVC pipe in borehole B1 on July 7, 2006 at a depth of approximately 11.0 feet below the ground surface. The locations of the boreholes are shown in Figure 3.

Soil from all of the boreholes was logged in the field in accordance with standard geologic field techniques and the Unified Soil Classification System. All soil from the boreholes was evaluated with a Photoionization Detector (PID). No odors were detected in any of the boreholes. Copies of the boring logs are attached with this report.

One groundwater grab sample was collected for laboratory analysis from boreholes B3 and B4 where groundwater was encountered during drilling by placing new, temporary 1-inch diameter slotted PVC pipe into each borehole and using polyethylene tubing and a stainless steel foot valve to remove groundwater from the PVC pipe. In borehole B1, the sample was collected using polyethylene tubing and a vacuum pump. No sheen or separate phase layers of petroleum hydrocarbons were observed on any of the water from any of the boreholes. All water samples were transferred to one-liter amber bottles and 40-milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative, which were sealed with Teflon-lined screw caps. The VOAs were overturned and tapped to ensure that air bubbles were not present. The samples were labeled and then placed into a cooler with ice pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling.

Additional subsurface investigation was performed using a 3.5-inch diameter stainless steel hand auger as follows.

On August 11, 2006 P&D personnel hand augered at sample location T3. Soil samples T3-3.5 and T3-5.5 were collected at depths of 3.5 and 5.5 feet below the ground surface, respectively to investigate the vertical extent of oil and PCBs detected in soil at location T3. The sample collection location is shown on Figure 3.

On August 15, 2006 P&D personnel hand augered boreholes B5, B6 and B7 to evaluate the presence of petroleum hydrocarbons in groundwater in the suspected downgradient direction from sample location T3. Boreholes B5, B6 and B7 were hand augered to total depths of 12, 13 and 14 feet below the ground surface, respectively. Groundwater was initially encountered in each of the boreholes at depths of 12, 12 and 13 feet, respectively, and was measured at a depth of approximately 12, 12 and 12 feet below the ground surface approximately 10 minutes after the groundwater was first encountered. Groundwater grab samples were collected from the boreholes using a Teflon bailer. The samples were transferred from the Teflon bailer to sample bottles, and the sample bottles were managed as described above. The groundwater samples from boreholes B5, B6 and B7 were incorrectly identified on the chain of custody document as T5, T6 and T7, respectively. In addition, P&D hand augered to a depth of 5 feet at each of locations SG1 and SG2 for the collection of soil gas samples (see Soil Gas Sampling section below for details). The borehole locations are shown on Figure 3.

On August 18 and 22, 2006 P&D personnel collected soil gas samples at locations SG1 and SG2, respectively (See Soil Gas Sampling section below for details).

On September 6, 2006 P&D personnel hand augered borehole B8. Soil sample B8-4.5 was collected at a depth of 4.5 feet below the ground surface to investigate the potential presence of VOCs detected in soil gas sample SG1. The borehole was hand augered to a depth of 10 feet, at which depth augering refusal was encountered. The top of the borehole was covered to prevent the borehole from being filled to see if water would enter the borehole. The borehole location is shown on Figure 3.

On September 15 and 18, 2006 P&D personnel hand augered at borehole B8 to a total depth of 12 feet below the ground surface to investigate the presence of VOCs in groundwater adjacent to location SG1. No groundwater was encountered in borehole B8, and augering refusal was encountered again at a depth of 12 feet. Additionally, P&D hand augered again at sample collection location T3 to collect a groundwater grab sample, and hand augered boreholes B9 and B10 to investigate the extent of petroleum hydrocarbons in groundwater in the vicinity of sample collection location T3. The total borehole depth at T3, B9 and B10 was 12, 12 and 12 feet respectively. Groundwater was initially encountered at depths of 12, 12 and 12 feet, respectively and was subsequently measured at depths of 10, 10, and 10 feet below the ground surface, respectively. The borehole locations are shown on Figure 3.

All drilling and sampling equipment was either previously unused clean material, or was cleaned with an Alconox solution followed by a clean water rinse prior to use in each borehole. Following completion of sample collection activities, the boreholes were filled with neat cement grout. Soil generated during drilling was stored at the site pending characterization and disposal.

## Soil Gas Sampling

Soil gas samples were collected near the back door to the building and near the property boundary in the vicinity of the back door (on the north side of the property) to evaluate the potential presence of VOCs in soil at locations where dumping of solvents would likely have occurred if solvents had been used at the site (there are no data for this) and dumping occurred.

On August 15, 2006 P&D hand augered boreholes SG1 and SG2 each to a total depth of 5 feet. A Teflon tube was placed into each borehole, and #2/16 washed sack sand was placed into the bottom one foot of the borehole. A one-foot thick layer of bentonite pellets was placed in the borehole above the filter sand and hydrated. The remaining annular space was filled with neat cement grout.

On August 18 and 22, 2006, P&D personnel collected soil gas samples from soil borings SB1 and SB2, respectively into 6-liter Summa canisters. The samples were collected in accordance with DTSC guidelines. The samples were labeled, placed into a box and shipped to Air Toxics Ltd. Chain of custody procedures were observed for all sample handling.

#### GEOLOGY AND HYDROGEOLOGY

Based on review of regional geologic maps from U. S. Geological Survey report, "Geologic map and map databases of the Oakland metropolitan area, Alameda, Contra Costa, and San Francisco Counties, California," by R.W. Graymer, 2000, underlying materials at the subject site consist of Pleistocene age alluvial fan and fluvial deposits (Qpf) brown, dense, gravely and clayey sand or clayey gravel that fine upward to sandy clay. These deposits display various degrees of sorting, are related to modern stream courses and are located along most stream channels in the area. These deposits are generally overlain by Holocene deposits on the lower portions of the alluvial plain and cut by channels that are filled with alluvium of Holocene age in the higher portions of the plain. The maximum thickness of the deposits is unknown but considered to be at least 50 meters.

In borehole B1, brown to dark brown gravelly or clayey silt extends to a depth of 7.5 feet below This is underlain by an interval of gray silt with coarse sand and gravel to approximately 14.5 fbg. Brown and gray silty clay then extends to 24 fbg and is underlain by brown clayey silt with coarse sand to the total depth of the boring of 25 fbg. The lithology encountered in borehole B2 is similar though the clayey silt from approximately 7 fbg to the total depth of the boring of 17 fbg is orangeish brown with yellow mottling in the clay. In borehole B2a, brown to light brown sandy silt extends to the total depth of the 10 fbg. Orange and orange and black mottling was observed in the clay encountered from 2 to 7 fbg. Similar lithology was encountered in borehole B3 with the exception of gray sandy silt encountered between 7 and 8 fbg. The surface cover materials encountered in borehole B4 consisted of gravel and asphalt to a depth of 6 inches. This was underlain by black sandy silt with coarse sand to 5 fbg. The brown sandy silt observed at other boreholes underlies this interval to a depth of 12 fbg follwed by light brown silty sand to 14.5 fbg and gray silty clay with orange and black mottling to the total depth of the boring of 15 fbg. In bore hole B5, brown silts with sand and gravel extend to 3 fbg and are underlain by silt, sandy silt and clayey silt to the total depth of 17 fbg. Orange and yellow mottling was observed from 7 fbg to the total depth of the borehole. Similar lithology was encountered in boreholes B6 and B7, both of which were advanced to 17 fbg. In borehole T3, gravel fill was

encountered to a depth of approximately 1.5 fbg and was underlain by deep brown silty sand and gravel to approximately 2.2 fbg, deep brown silty sand to 6 fbg, interbedded brown sandy clay and silty sand to 7.5 fbg, and light brown clay to the total depth of 7.7 fbg.

A retaining wall is located on the north and east sides of the site courtyard, which is located on the north side of the property. The presence of the higher surface elevations to the north of the site in conjunction with the presence of the retaining walls to the north and east of the courtyard suggests that bedrock may be encountered at shallow depths on the north side of the property. This observation is consistent with the GeoProbe drilling refusal encountered in borehole B2 at a depth of 17.0 feet and in hand augered borehole B8 at a depth of 12 feet below the ground surface.

Groundwater was initially encountered in borehole B3 at 14 fbg and in borehole B4 at 12.5 fbg. Approximately 10 minutes after completion of drilling of each of the boreholes, groundwater was measured at 10.6 fbg in borehole B3 and 10.3 fbg in borehole B4. Initial and subsequent water levels measured in boreholes B3 and B4 were recorded on the boring logs. Groundwater entered borehole B4 very rapidly. In addition, borehole B4 was located near buried utility trenches in the street. It is possible that the water entering the borehole could have originated from adjacent permeable buried utility trench backfill materials.

The surface elevation at the site is between 80 and 100 feet above Mean Sea Level. Review of area topographic maps shows that the topography in vicinity slopes to the southwest and west toward Lake Merritt and the San Francisco Bay. Based on the surface topography, the regional groundwater flow direction is assumed to be westerly to southwesterly. However, review of Figure 1 shows that Linda Avenue is located on a historic southeast trending and sloping drainage that appears to be a historical tributary to the southwest trending and sloping drainage that is presently covered by Grand Avenue. Based on site-specific and immediate vicinity topography, the groundwater flow direction at the site is anticipated to be to the southeast, parallel to Linda Avenue.

A review of the May 10, 2006 First Quarter 2006 Groundwater Monitoring Report prepared by Cambria Environmental Technology, Inc. (Cambria) for the Shell-branded service station located at 29 Wildwood Avenue in Piedmont (located across Grand Avenue and approximately 750 feet south-southeast of the subject site) shows that the historic groundwater flow direction has been to the west-southwest, based on water level information from 5 groundwater monitoring wells located on the Shell property and within Grand Avenue. The flow direction at the Shell station is consistent with the anticipated flow direction based on the surface drainage at the Shell site.

## LABORATORY RESULTS

This section sets forth the results of the soil and groundwater sampling; the following section, Discussion and Recommendations, provides analysis of the sample results.

All of the soil and groundwater samples were analyzed at McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. McCampbell is a state-accredited hazardous waste testing laboratory. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report.

All of the soil samples collected from beneath the vaults were analyzed for Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 3550C and 8015C, Total Polychlorinated Biphenyls (PCBs) using EPA Methods 3510C and 8082A, total lead using EPA Methods 3050B and 6010C, and for VOCs using EPA Methods 5030B and 8260B. None of the analytes were detected with the exception of lead, which was detected in all of the samples at concentrations ranging from 7.8 to 13 mg/kg. The soil sample results are summarized in Table 1.

All of the soil samples collected from test pits and trenches were analyzed for Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 3550C and 8015C, Total Polychlorinated Biphenyls (PCBs) using EPA Methods 3510C and 8082A, total lead using EPA Methods 3050B and 6010C, and for VOCs using EPA Methods 5030B and 8260B with the exception of samples T3-3.5, T3-5.5, and T5-1.75 where VOC analysis was not performed and samples T3-3.5 and T3-5.5 where total lead analysis was not performed. VOC analysis was not performed for samples T3-3.5 and T3-5.5 because VOCs were not detected in shallower sample T3-2.0. VOC analysis was not performed for sample T5-1.75 based on the general absence of odors, discoloration, and the absence of detectable concentrations of organic vapors. Total lead analysis was not performed for samples T3-3.5 and T3-5.5 because remediation was anticipated for the soil characterized by these samples, and characterization of lead in this soil would be performed at the time of disposal.

The test pit and trench sample results show that none of the analytes were detected with the following exceptions: TPH-mo was detected in samples T3-2.0 and T5-1.75 at concentrations of 5,500 and 6.8 mg/kg, respectively; and total lead was detected in samples T1-2.5, T2-2.5, T3-2.0, T4-1.25 and T5-1.75 at concentrations of 98, 61, 260, 17 and 43 mg/kg, respectively; and PCBs were detected in T3-2.0 at a concentration of 0.27 mg/kg. The soil sample results are summarized in Table 2.

The two soil samples collected from borehole T3 were analyzed for Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 3550C and 8015C, and for Total Polychlorinated Biphenyls (PCBs) using EPA Methods 3510C and 8082A. The soil sample collected from borehole B8 was analyzed for VOCs using EPA Methods 5030B and 8260B. Review of the borehole sample results shows that none of the analytes were detected with the exception of TPH-mo, which was detected in samples T3-3.5 and T3-5.5 at concentrations of 150 and 230 mg/kg, respectively. The soil sample results are summarized in Table 3.

All of the groundwater samples collected from the boreholes were analyzed for Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 3550C and 8015C. The samples collected from boreholes B1, B3, B4 and T3 were analyzed for Total Polychlorinated Biphenyls (PCBs) using EPA Methods 3510C and 8082A. The groundwater samples collected from boreholes B3 and B4 were analyzed for total lead using EPA Method E200.8, and were subsequently analyzed for dissolved lead using EPA Method E200.8. The total lead analysis entailed preservation of the sample with acid prior to filtration. Subsequent analysis for dissolved lead entailed filtration of unpreserved samples prior to preservation of the samples with acid. Additionally, the groundwater samples collected from boreholes B1, B9 and B10 were tested for VOCs using EPA Methods 5030B and 8260B.

Review of the groundwater sample results shows that none of the analyztes were detected with the exception of 2400 ug/L TPH-mo in borehole T3 and a single VOC in borehole B1, where 0.65

ug/L toluene was detected. The reported toluene is barely above the detection limit of 0.5 ug/L. Although lead was detected in water samples collected from boreholes B3 and B4 when the samples were analyzed for total lead, re-analysis of the samples for dissolved lead showed that lead was not present in the water samples. The samples where lead was detected were preserved with acid at the laboratory prior to filtration, resulting in the liberation of lead from the sediments by the acid in the total lead analysis. Other containers for the samples were not preserved with acid, and subsequent filtration of sample from these containers prior to preservation with acid and followed by dissolved lead analysis showed that no lead was dissolved in the groundwater samples. The groundwater sample results are summarized in Table 4.

All of the soil gas samples were analyzed at Air Toxics, Ltd (Air Toxics) of Folsom, California for VOCs using EPA Method TO-15. Review of the soil gas sample results shows that in sample SG1 chloroform, acetone and 2-Propanol were detected at concentrations of 370, 87 and >47,000 ug/m³, respectively, and that in sample SG2 acetone and 2-Propanol were detected at concentrations of 28 and >7,600 ug/m³, respectively. The compound 2-propanol was the tracer chemical introduced as QA/QC for the equipment; therefore the results that indicate that the presence of 2-propanol are considered a sampling artifact. As discussed further in the next section, acetone is also considered a sampling artifact. The soil gas sample results are summarized in Table 5.

## **DISCUSSION AND RECOMMENDATIONS**

Based on review of historic investigation and remediation reports for the site provided by PG&E, oil, PCBs, lead and VOCs were identified as potential contaminants of concern for subsurface contamination. The physical locations identified for investigation included soil conditions beneath vaults located inside the building, soil conditions beneath sanitary sewer pipes located outside of the building, and groundwater quality in presumed upgradient and downgradient building vicinity locations.

The subsurface materials encountered in the boreholes at the site consisted predominantly of silt and silty clay containing varying amounts of sand and gravel. Groundwater was typically encountered in the boreholes at a depth of approximately 12 to 13 feet below the ground surface and typically stabilized at a depth of approximately 10 to 11 feet below the ground surface. A retaining wall on the north side of the property and drilling refusal at depths of 12 and 17 feet in boreholes located on the north side of the property suggest that bedrock may be encountered at shallow depths on the north side of the property. Although the groundwater flow direction is unknown at the site, based on surface topography it is believed that the probable groundwater flow direction at the site is to the southeast.

A total of four vaults were identified at the site. Soil samples were collected from beneath each of the vaults. An additional soil sample was collected from beneath a crack in the concrete floor slab in Vault 4. Visual evaluation of the crack in the concrete core suggests that the crack does not fully penetrate the slab at the cored location. The laboratory results of the soil samples collected from beneath the vaults showed that no contaminants were detected. The lead concentrations in the soil samples are considered to be consistent with natural background lead concentrations. The absence of staining, discoloration and odor in the excavated soil and soil samples from beneath the vaults in conjunction with the absence of analytes detected at concentrations of concern indicates that fluids from the vaults have not impacted subsurface materials at the locations investigated.

Excavation of test pits at the building exterior perimeter identified subsurface conditions of potential concern 1) on the north side of the building where two pipes formerly penetrated the building wall, 2) on the east side of the building where historic roof drain piping terminated and dark soil that appeared to be fill material was encountered, and 3) on the east side of the building where buried sanitary sewer pipes were exposed. One soil sample was collected from immediately beneath the former wall pipe penetrations in a sandy material that appeared to be trench fill material. One soil sample was collected from the dark soil that appeared to be fill material. The sanitary sewer pipes on the east side of the building consisted of steel pipes in 6-foot lengths with bell joints. A total of three soil samples were collected from beneath bell joints of the sanitary sewer pipe, with one of the samples collected beneath the sanitary sewer pipe cleanout at the suspected former location where PCBs were identified during a previous subsurface investigation performed by others.

For the soil sample collected from beneath the wall penetration on the north side of the building (sample T5-1.75), the only detected analytes were 6.8 mg/kg TPH-mo and 48 mg/kg lead (see Table 2). The TPH-mo concentration is not considered to be a concentration of concern because it is well below the residential ESL level of 500 mg/kg. Although the lead concentration is considered to be potentially above background concentrations, the concentration is not considered to be of concern because it is below the Environmental Screening Level (ESL) concentration of 150 mg/kg set forth by the San Francisco Bay Regional Water Quality Control Board (SF-RWQCB) (updated February 2005, Table A – Shallow Soils, Groundwater is a current or potential source of drinking water) for residential land use.

No analytes were detected in the soil sample (T4-1.25) collected from the dark fill material where historic roof drain piping terminated with the exception of lead at a concentration of 17 mg/kg (see Table 2). The lead concentration is considered to be consistent with natural background lead concentrations and is not at a concentration of concern.

For the soil samples collected from beneath the sanitary sewer pipe joints, no analytes were detected with the exception of lead at concentrations of 98, 61 and 260 mg/kg in samples T1, T2 and T3, respectively and TPH-mo and PCBs at concentrations of 5500 and 0.27 mg/kg in sample T3. The lead concentrations in samples T1 and T2 are considered to be greater than natural background concentrations, however, these concentrations are not considered to be of concern because they do not exceed the ESL for residential land use. The TPH-mo and PCB concentrations encountered in sample T3 were further investigated by hand augering at location T3 and collecting samples at depths of 3.5 and 5.5 feet. The sample results showed that no PCBs were detected in the sample collected at a depth of 3.5 feet, and that TPH-mo was detected at concentrations of 150 and 230 mg/kg at depths of 3.5 and 5.5 feet, respectively. Based on the sample results, the vertical extent of TPH-mo in soil with concentrations exceeding the TPH-mo residential ESL of 500 mg/kg appears to be limited to a depth of 3.5 feet or less.

Additional hand augering at the T3 sample collection location and collection of a groundwater sample at a depth of approximately 12 feet below the ground surface showed TPH-mo at a concentration of 2400 ug/L which is in excess of the residential ESL of 100 ug/L. Collection of groundwater samples at locations B5, B6, B7, B9 and B10 shows that TPH-mo was not detected at any of these locations. The reported TPH-mo at location T3 suggests that groundwater at the site could locally exceed the ESL. However, the absence of TPH-mo in the four groundwater

samples collected 10 to 25 feet away from T3 in the general down gradient direction from T3 indicates that the analytical result for TPH-mo in groundwater at T3 could be an artifact of the drilling and sampling method. The groundwater sample at T3 was a grab groundwater sample from a hand augered boring through TPH-mo impacted soil. Therefore, it is quite possible that the TPH-mo result is not representative of groundwater at that location but rather is an artifact of TPH-mo on the hand augering equipment from soil located above the water table.

Review of the groundwater sample results shows that none of the analytes were detected with the exception of 2400 ug/L TPH-mo in borehole T3 and VOCs in borehole B1, where 0.65 ug/L toluene was detected. Although lead was detected in water samples collected from boreholes B3 and B4 when the samples were analyzed for total lead, subsequent analysis for dissolved lead showed that lead was not present in the water samples. Because the water sample was collected from borehole B1 approximately one month after the borehole was drilled, the sample results are suspect because of potential volatization of VOCs during the long period necessary for water to enter the borehole. The detected toluene is at a near-detection limit concentration, and is considered to be an artifact of the sampling or analytical method.

Review of the soil gas sample results shows that in sample SG1 acetone, 2-Propanol, and chloroform were detected at concentrations of 370, 87 and >47,000 ug/m<sup>3</sup>, respectively, and that in sample SG2 acetone and 2-Propanol were detected at concentrations of 28 and >7,600 ug/m<sup>3</sup>, respectively. The tracer chemical 2-Propanol was used during sample collection to identify leaks in the sampling system. The detected 2-Propanol is interpreted to have originated from the tracer. The detected acetone is interpreted to be an artifact of the detected 2-Propanol. Because the two chemicals elute in the gas chromatograph at approximately the same time, the large 2-Propanol results infringe on the area quantified as acetone, resulting in a false positive reporting for the acetone. The source of the chloroform is unknown. Subsequent hand augering at borehole B8 (adjacent to SG1 where chloroform was detected) and collection and analysis of a soil sample at a depth of 4.5 feet (the same depth as the gravel pack interval for SG1) showed that no VOCs were detected in the soil when analyzed using EPA Method 8260B. The analytes reported using EPA Method TO-15 for soil gas and EPA 8260B for soil evaluate essentially the same compounds. Based on the absence of detectable organic vapors, staining or discoloration of soil in the boreholes for SG1 and B8, and the absence of VOCs in the soil sample collected at B8, the detected VOCs in samples SG1 and SG2 are considered to be artificts and do not indicate the presence of VOCs in soil at the site.

Based on the results of the subsurface investigation, P&D recommends that no further investigation be performed at this time. P&D recommends that during site development the petroleum-impacted soil at location T3 with concentrations exceeding residential ESL values be removed and disposed of properly.

#### **LIMITATIONS**

This report was prepared solely for the use of Piedmont Station, LLC. The content and conclusions provided by P&D in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented

herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. P&D is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions or comments, please do not hesitate to contact us at (510) 658-6916.

TONAL GA

PAUL H. KING

No. 5901

Sincerely,

P&D Environmental, Inc.

Paul H. King

Professional Geologist #5901

Expires: 12/31/07

Attachments: Table 1 - Soil Analytical Results - Vault Investigation

Table 2 - Soil Analytical Results - Test Pit and Trench Investigation

Table 3 - Soil Analytical Results - Boreholes

Table 4 - Grab Groundwater Analytical Results - Boreholes

Table 5 - Soil Gas Analytical Results

Paul H. King

Figure 1 - Site Location Map

Figure 2 - Site Plan Showing Building Vault Locations

Figure 3 - Site Plan Showing Sample Collection Locations

Figure 4 - Site Vicinity Map Showing Sanitary Sewer Pipe Locations

Figure 5 - Site Plan Detail 'A'

Figure 6 - Site Plan Detail 'B'

Figure 7 - Site Plan Detail 'C'

Figure 8 - Site Plan Detail 'D'

Figure 9 - Site Plan Detail 'E'

Boring Logs

Laboratory Analytical Reports and Chain of Custody Documentation

PHK/efo/0361.R1

# **TABLES**

Sample ID	Sample Date	ТРН-МО	Total PCBs	TTLC Lead	VOCs (8260B)					
		4		mg/kg						
V1-0.25	7/6/2006	ND<5.0	ND<0.025	11	All Analytes ND					
	7/6/2006	ND<5.0	ND<0.025	9.9	All Analytes ND					
V2-0.25	7/6/2006	ND<5.0	ND<0.025	13	All Analytes ND					
V3-0.25	7/6/2006	ND<5.0	ND<0.025	10	All Analytes ND					
V4-Sump V4-Floor	7/6/2006	ND<5.0	ND<0.025	7.8	All Analytes ND					
Abbreviati	ons and Notes	: um Hydrocarl	oons as Motor Oil							
	chlorinated Bij		John as ivieves							
			tration							
TTLC = Total Threshold Limit Concentration										
mg/kg = Milligrams per kilogram ND = Not Detected										

Table 2.	Soil Analytical	Results - T	est Pit and Trench	Investigation - P	iedmont Station, LI	C - Piedmont, California
Sample ID	Sample Date	Depth	ТРН-МО	Total PCBs	TTLC Lead	VOCs (8260B)
) 	•	(feet)	4		– mg/kg <u>–</u>	
m	7/6/2006	2.5	ND<5.0	ND<0.025	98	All Analytes ND
T1-2.5	7/6/2006		ND<5.0	ND<0.025	61	All Analytes ND
T2-2.5	7/6/2006	2.5			260	All Analytes ND
T3-2.0	7/7/2006	2	5,500(a)	0.27(b)		All Analytes ND
T4-1.25	7/7/2007	1.25	ND < 5.0	ND<0.025	17	
T5-1.75	7/7/2006	1.75	6.8	ND<0.025	43	NA

## Abbreviations and Notes:

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil

PCB = Polychlorinated Biphenyls

TTLC = Total Threshold Limit Concentration

VOCs = Volatile Organic Compounds by EPA Method 8260B

mg/kg = Milligrams per kilogram

a = Significant oil and diesel range compounds

b = Aroclor 1260

ND = Not Detected

NA = Not Analyzed

Results are in milligrams per kilogram (mg/kg) unless otherwise indicated.

Table 3. S	Table 3. Soil Analytical Results - Boreholes - Piedmont Station, LLC - Piedmont, California											
Sample ID	Sample Date	Depth (feet)	ТРН-МО	Total PCBs	TTLC Lead	VOCs (8260B)						
1	•		4		mg/kg	NA						
T3-3.5	8/11/2006	3.5	150	ND<0.025	NA	NA						
T3-5.5	8/11/2006	5.5	230	ND<0.025	NA	All Analytes ND						
B8-4.5	9/6/2006	4.5	NA	NA	NA	All Allalytes ND						

# **Abbreviations and Notes:**

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil

PCB = Polychlorinated Biphenyls

TTLC = Total Threshold Limit Concentration

VOCs = Volatile Organic Compounds by EPA Method 8260B

mg/kg = Milligrams per kilogram

ND = Not Detected

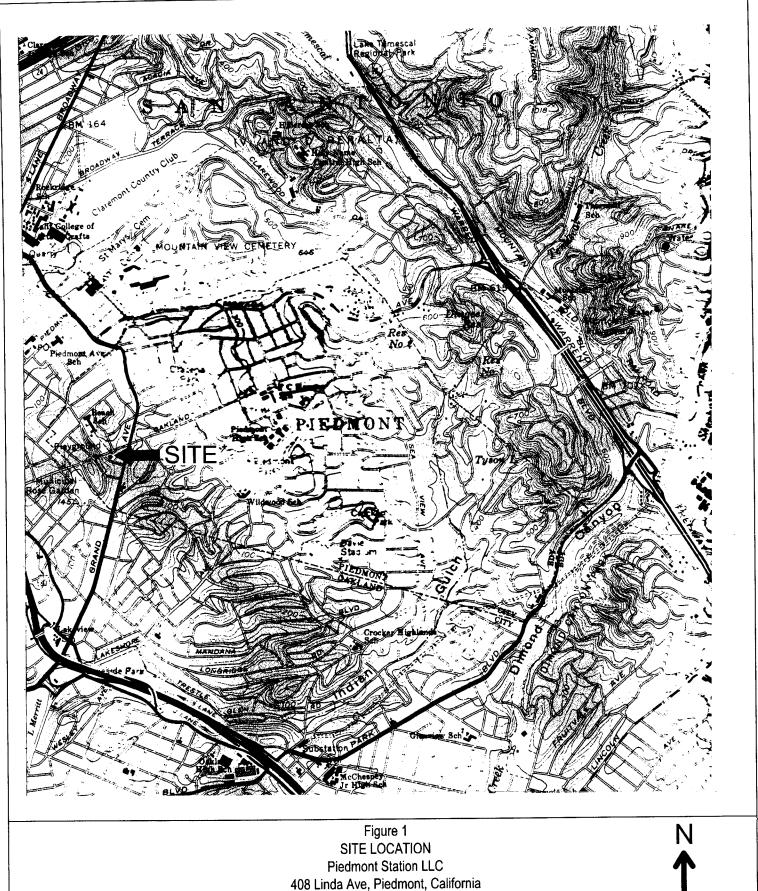
NA = Not Analyzed

Results are in milligrams per kilogram (mg/kg) unless otherwise indicated.

			Total PCBs	TTLC Lead	Dissolved Lead	Piedmont, California VOCs (8260B)
Sample ID	Sample Date	TTT-MO	Total T CBS	μg/L	,	
	7/7/0006	ND<250	ND<0.5	NA	ND<0.5	All Analytes ND, except for 0.65 Toluen
B1-Water	7/7/2006			1112		
B2		Entered the				
B2a		r Entered the		350*	ND<0.5	NA
B3-Water	6/30/2006	ND<250	ND<0.5	280*	ND<0.5	NA
B4-Water	6/30/2006	ND<250	ND<0.5		NA NA	NA
T5-Water	8/15/2006	ND<250	NA	NA	NA NA	NA
T6-Water	8/15/2006	ND<250	NA	NA		NA
T7-Water	8/15/2006	ND<250	NA	NA	NA	147
B8	No Wate	r Entered the			D.T.A	All Analytes ND
B9-Water	9/18/2006	ND<250	NA	NA	NA	All Analytes ND
B10-Water	9/18/2006	ND<250	NA	NA	NA	All Allalytes ND
T3-Water	9/18/2006	2400	ND<0.5	NA	NA	NA
Abbreviati	ons and Note	es:	bons as Motor (	Oil		
			oons as wictor	O II		
PCBs = Po	lychlorinated I	Bipnenyis	tration			
TTLC = Tc	otal Threshold	Limit Concer	uration L. EDA Mothod	8260B		
			by EPA Method			
	crograms per l	iter				
ND = Not	Detected		. 'd HCl minn	to filtration (total	lead) Unnreserv	ed samples that were preserved after
* Sample r	esult is for san	nple preserved	With HCI prior	to intration (total	ready. Chiprosorv	ed samples that were preserved after
		itly reanalyzed	for dissolved le	ead.		
llata at .	Analyzed					

	Sample Date	dmont Station, LLC - Piedmo Detected Analytes(a)	Concentration	Concentration
Sample ID	Sample Date	_ · · · · ·	(ppbv)	$(\mu g/m^3)$
SG1	8/18/2006	Chloroform	76	370
		Acetone	36	87
		2-Propanol	>19,000(b)	>47,000(b)
0.00	8/22/2006	Acetone	12	28
SG2	8/22/2000	2-Propanol	>3,100(b)	>7,600(b)
b = Saturated pea ppbv = Parts per	able laboratory reporting lin	nit		

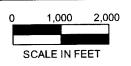
# **FIGURES**

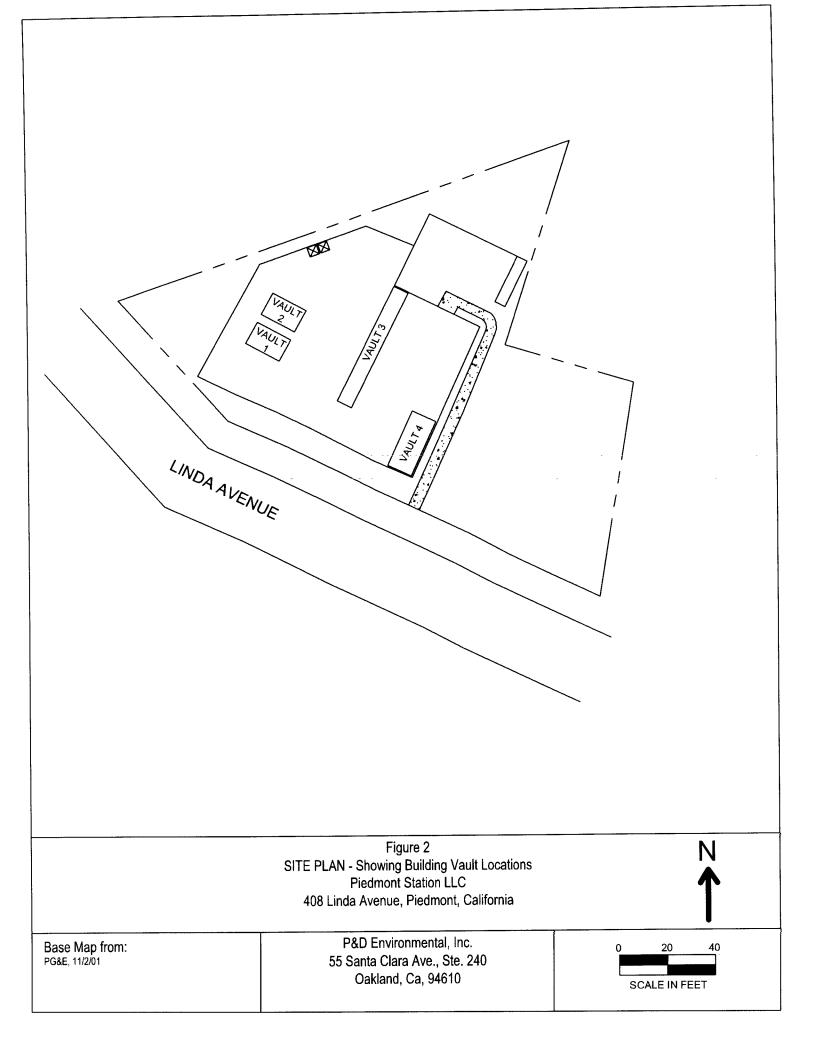




Base Map from: U.S. Geological Survey Oakland East, California 7.5 Minute Quadrangle Photorevised 1980

P&D Environmental, Inc. 55 Santa Clara Ave., Ste. 240 Oakland, CA 94610





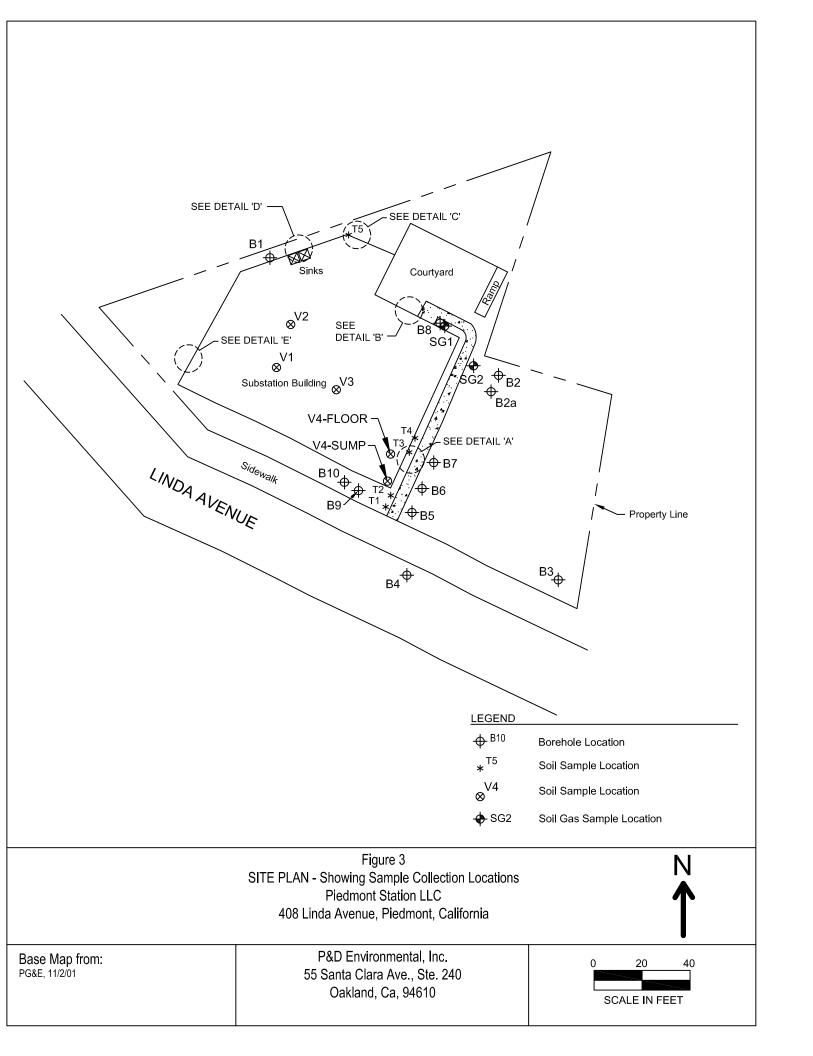
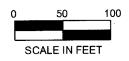


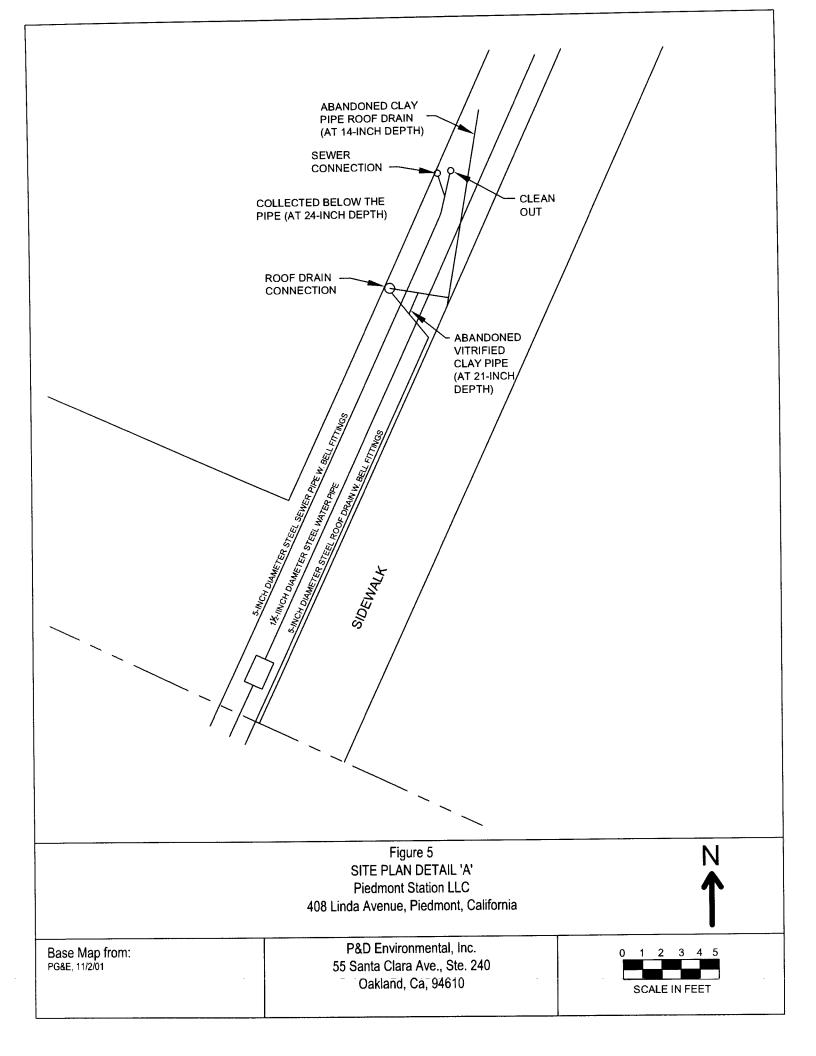


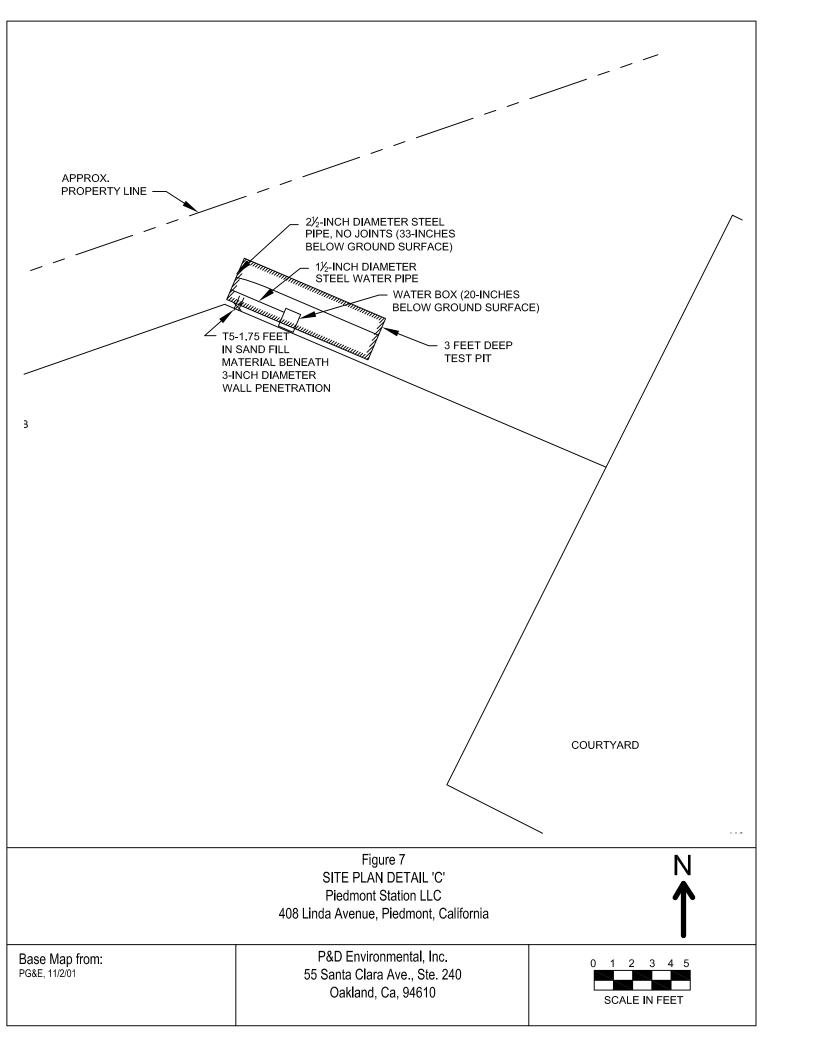
Figure 4
City of Piedmont Department of Public Works Map Showing Sanitary Sewer Locations
Piedmont Station LLC
408 Linda Avenue, Piedmont, California

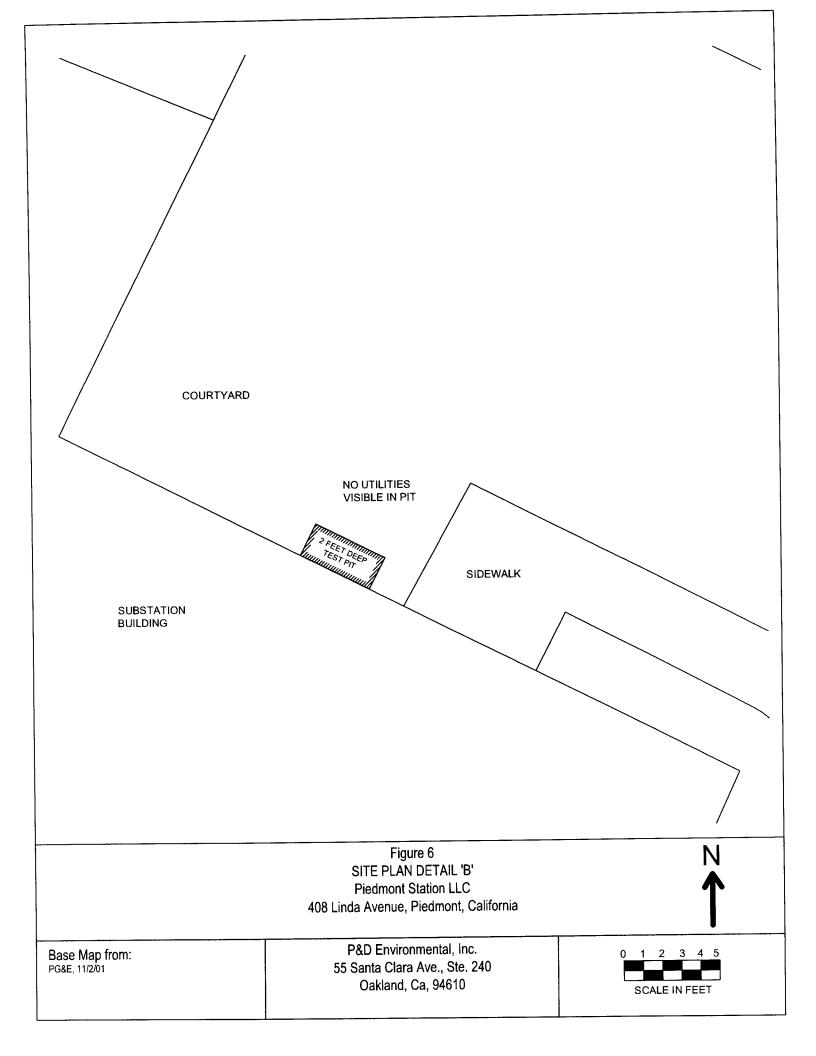
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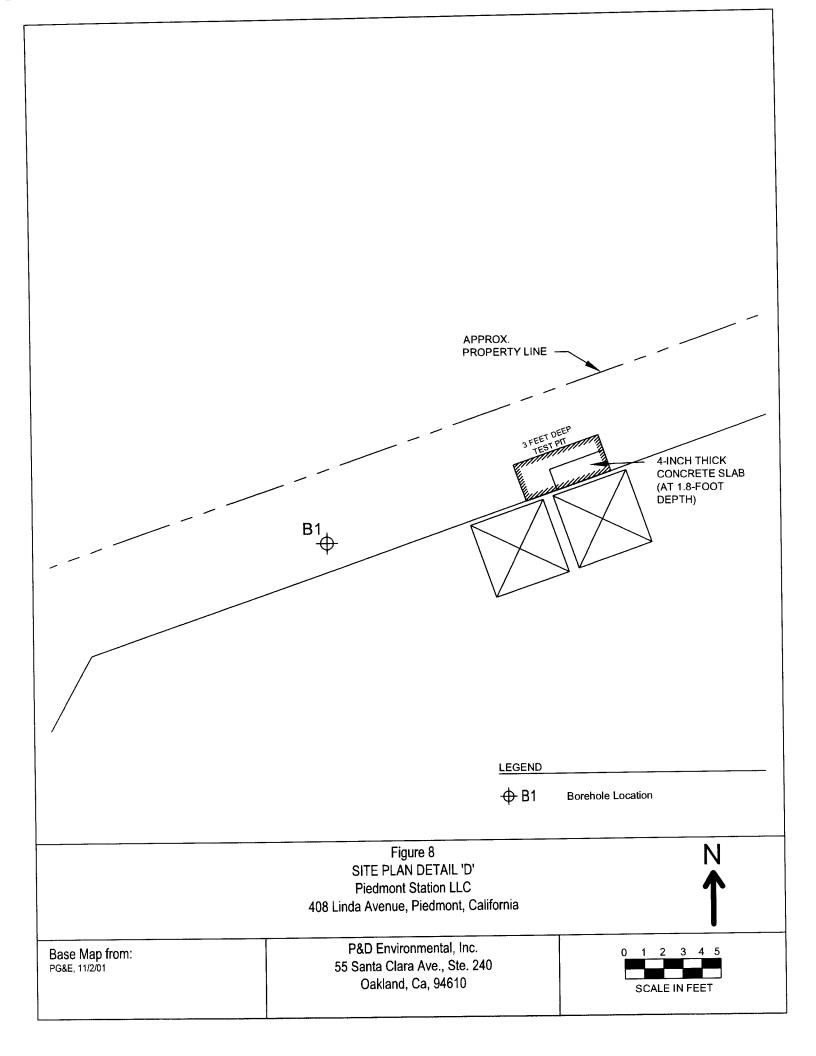
Base Map from: City of Piedmont Public Works October P&D Environmental, Inc. 55 Santa Clara Ave., Ste. 240 Oakland, Ca, 94610

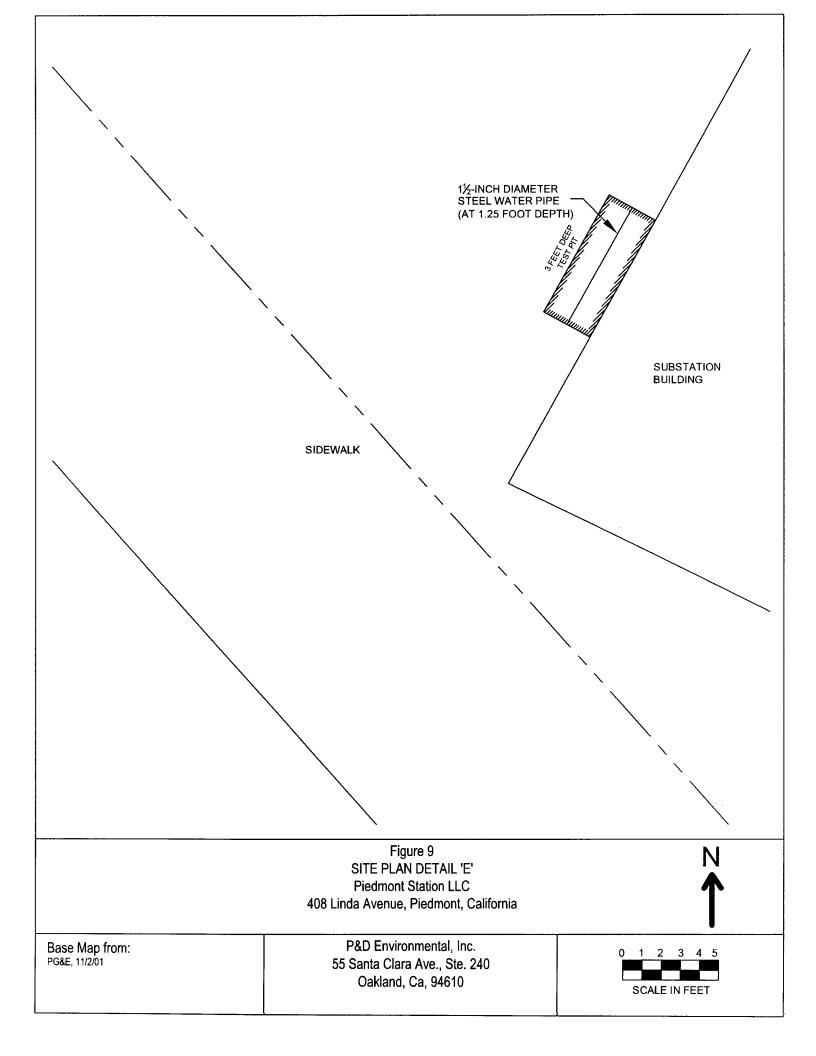












# **BORING LOGS**

BORING N	O.: B1	PROJECT NO.: 0361 PROJECT N	AME: Piedmont Statio	n, LLC					
BORING LO	OCATION: No	orth of Building	ELEVATION	AND DAT	TUM: NONE				
DRILLING	AGENCY:	Vironex, Inc.	DRILLER: Bryan/Jeff			DAT	TE & TIME	STARTED:	DATE & TIME FINISHED:
DRILLING I	EQUIPMENT	Geoprobe 6600					6/30/06	i	6/30/06
COMPLETI	ON DEPTH:	25.0 FEET	BEDROCK DEPTH: No	None encountered			LOGGE	D BY:	CHECKED BY:
FIRST WAT	ER DEPTH:	None Encountered	NO. OF SAMPLES: 2 Se	oil		EFO			DMG
ОЕРТН (FT.)		DESCRIPTION		GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID		REMARKS
	0 to 3	.0 ft. Brown gravelly silt (ML) Petroleum Hydrocarbon (Pl		ML	No Well Constructed		0	cored us inch O.I rocore E	e continuously sing a 5-ft. long 2- D. Geoprobe Mac-
5	3.0 to	5.0 ft. Brown silt (ML); Loos mottling. No PHC od		ML			0	foot inte was line	s collected at 5- rvals. The sampler of with 4.8-ft. long O.D. cellulose
	5.0 to	7.0 ft. Dark brown clayey silt (ML); Loose, moist. Orange No PHC odor.		ML			0	acetate	tubes
		7.0 to 14.5 ft. Gray silt w/ nd & occasional gravel (ML); ntly moist. Orange mottling. I	Medium stiff,	ML			0 0	the bore	
			=======================================				0	25.0 ft., 1-in. dia	e terminated at 6/30/06. m. slotted PVC blaced in borehole.
15	14.5	to 18.0 ft. Brown silty clay (C	CL): Soft moist			_	-		-
 		range and black mottling. No		CL			0		
 	18.0	to 24.0 ft. Gray silty clay (Cl	L); Soft, moist. —				0		
20	- - -	range and black mottling. No	PHC odor.	CL			0		
 				OL			0		
	24.0	to 25 0 ft Drawn alayaya ilkii					0		
25		to 25.0 ft. Brown clayey silt v ML); Medium stiff, moist. No		ML					
30									

8	BORING NO.: B2 PROJECT NO.: 0361 PROJECT NAME: Piedmont Station, LLC											
$\vdash$	BORING NO.: B2 PROJECT NO.: 0361 PROJECT NAME: Piedmont Station, LLC  BORING LOCATION: South of building ELEVATION AND DATUM: NONE											
-			-	AND DAT	UM: NONE	1						
DF	ILLIN	G AG	ENCY: Vironex, Inc. DRILLER: Bryan/Jeff	STARTED:	DATE & TIME FINISHED: 6/30/06							
DF	DRILLING EQUIPMENT: Geoprobe 6600											
CC	MPLE	TION	I DEPTH: 17.0 FEET BEDROCK DEPTH: Nor		LOGGE		CHECKED BY:					
FIF	RST W	ATE	R DEPTH: None Encountered FEET NO. OF SAM	IPLES: N			EF	)	DMG			
	DEPTH (FT.)		DESCRIPTION	GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID		REMARKS			
			0 to 3 ft. Brown gravelly sandy silt (ML); Gravels — <1 in. diam. Medium stiff, moist.  No Petroleum Hydrocarbon (PHC) odor. —	ML	No Well Constructed		0 - 0	cored us inch O.I rocore E	e continuously sing a 5-ft. long 2- D. Geoprobe Mac- Barrel Sampler. s collected at 5-			
E	5		3.0 to 6.0 ft. Dark brown silt (ML); Medium stiff, moist. No PHC odor.	ML			0	foot inte was line	rvals. The sampler d with 4.8-ft. long O.D. cellulose			
			6.0 to 7.0 ft. Brown sandy silt w/ coarse sand (ML); Medium stiff, moist. Orange and black mottling.  No PHC odor.  7.0 to 10.0 ft. Orangish brown clayey silt (CL); Very stiff, slightly moist. Orange and yellow mot-	CL			0	jammed	.0 ft. barrel , no recovery.			
	10		tling. No PHC odor.  No Recovery				0	borehole	er encountered in e. at 17.0 ft. Bore- outed with neat			
	15		15.0 to 17.0 ft. Orangish brown clayey silt (CL); — Very stiff, slightly moist. Orange and yellow mot- tling. No PHC odor.	CL	-		0		6/30/06			
	20 25 30								-			

			B2a	PROJECT NO.: 0361		iadma-4 St-	tion II.C			·	AGE1 OF1		
+			ATION: South of Build			iedmont Sta							
$\vdash$				-		ON AND DA	TUM: NONE	Ι					
$\vdash$			ENCY: Vironex, In		DRILLER: Bryan/Jeff			DATE & TIME STARTED: 6/30/06			DATE & TIME FINISHED: 6/30/06		
$\vdash$			N DEPTH: 23.0	FEET	BENDOOK DEDTUG	ono ono ====	torod	-	LOGGE	D BV	CHECKED BY:		
╀			R DEPTH: None Enco	······································	NO. OF SAMPLES: N		nereu .		EF		DMG		
H					OAIIII LEG. N	<del></del>	<b>Z</b> .			[	_		
DESCRIPTION						GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID		REMARKS		
L	DEF					<u> </u>	WELL	PER P					
E			0 to 2.0 ft. Bro dry. No Petr	wn silty sand (SM) oleum Hydrocarbo	; Medium dense, n (PHC) odor.	SM	No Well Constructed	0	n	cored us	e continuously sing a 5-ft. long 2-		
E			Gravel <1 in. di	ft. Light brown san am. Stiff, slightly n k mottling. No PHO	noist. Orange and	ML			0	rocore E Sample:	D. Geoprobe Mac- Barrel Sampler. s collected at 5-		
E	5		4.0 to 6.5 ft. D	ark brown sandy s y moist. Orange m	ilt (ML). Medium.	ML				was line 1 3/4 in.	tervals. The sampler ned with 4.8-ft. long n. O.D. cellulose		
F		$\exists$	051 70%	odor.		SM			0	acetate	tubes.		
E				rown silty sand (SI range Mottling. No		SIW	<u>.</u>		0	Borehole continuously cored to 23.0 ft.			
E	10	$\exists$		0.0 ft. Brown sandy <1 in. diam. No Pi		ML	-		- 0		ammed and no_ / from 10.0 ft. to		
E					:		-		-	23.0 ft.	-		
E		$\exists$											
F	15				:	1				-			
E				No Recovery	- -								
E					- -								
F	20	Ħ				<b>-</b>							
E		$\exists$			-								
F		$\exists$			-								
E	25	$\exists$			- -	]							
F	20	$\exists$			-	1							
E		$\exists$			-								
E		$\exists$			-	]		-	-		_		
F	30	$\exists$			-								
	JU												

ВС	RING	NO.	B3 PROJECT NO.: 0361 PROJECT NAME: Pi	edmont Sta	ation, LLC				AGE1 OF1		
ВС	BORING LOCATION: Southwest corner of vacant lot ELEVATION AND DATUM: NONE										
DR	ILLIN	G AG	ENCY: Vironex, Inc. DRILLER: Bryan/Jeff			DAT	E & TIME	STARTED:	DATE & TIME FINISHED:		
DR	ILLIN	G EC	UIPMENT: Geoprobe 6600	*		6/30/06 6/30			6/30/06		
cc	MPL	TION	DEPTH: 15.0 FEET BEDROCK DEPTH: No.	ne encoun	tered	LOGGED BY: CHECKED BY			CHECKED BY:		
FIF	FIRST WATER DEPTH: 12.5 FEET NO. OF SAMPLES: 1 Water							EFO DMG			
	DESCRIPTION  DESCRIPTION			GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID		REMARKS		
	5		0 to 7.0 ft. Dark brown sandy silt (ML); soft, moist. Orange mottling. No Petroleum Hydrocarbon (PHC) odor.	ML	No Well Constructed		0	cored us inch O.E rocore E Samples foot inte was line	e continuously sing a 5-ft. long 2- b. Geoprobe Mac- arrel Sampler. s collected at 5- rvals. The sampler of with 4.8-ft. long O.D. cellulose		
	10		7.0 to 8.0 ft. Gray sandy silt (ML); Medium stiff, slightly moist. Orange and black mottling.  No PHC odor.  8.0 to 9.5 ft. Brown sandy silt (ML); medium stiff, slightly moist. Orange mottling. No PHC odor	ML ML	<u>.</u>		0	Water m	0% recovery easured at 10.6 PM, approx. 10 r completion of		
	15		9.5 to 15.0 ft. Light brown sandy silt (ML); moist, _ soft. Orange and black mottling No PHC odor	ML	<u> </u>		0		er encountered at luring drilling,		
	20						0	sample ving a pol with a st valve. No odor pre sample.	06 a groundwater vas collected us- yethylene tube ainless steel foot o sheen or PHC sent in water		
	25				-		-	15.0 ft.  1 in. PV0 borehole collected ene tubir steel foo	e terminated at C casing placed in water sample using polyethyl- ng with a stainless t valve. est Water  nal Water		

В	DRING	NO.:	B4	PROJECT NO.:	0361 PROJECT I	NAME: Pie	dmont Sta	ition, LLC				
В	BORING LOCATION: Parking lane of Linda Avenue ELEVATION AND DATUM: NONE											
Di	RILLIN	G AG	ENCY: Vironex, Inc.		DRILLER:	Bryan/Jeff			DAT	E & TIME	STARTED:	DATE & TIME FINISHED:
DI	RILLIN	G EQ	UIPMENT: Geoprobe 66	500					6/30/06			6/30/06
C	COMPLETION DEPTH: 15.0 FEET BEDROCK DEPTH: None encountered									LOGGE	D BY:	CHECKED BY:
FI		ATE	R DEPTH: 12.5	FEET	NO. OF SAI	MPLES: 1 Wa	ater, 1 Soi	ı	EFO			DMG
DESCRIPTION  DESCRIPTION					GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID		REMARKS		
		0 to 6 in. Gravel and asphalt 6 in. to 5.0 ft. Black sandy silt w/ coarse sand (ML); Soft, moist. No Petroleu Hydrocarbon (PHC) odor.					ML -	No Well Constructed		0	cored us inch O.E rocore E Soil sam with 4.8	e continuously sing a 5-ft. long 2- D. Geoprobe Mac- sarrel Sampler. apler was lined -ft. long 1 3/4 in. lulose acetate
	10		5.0 to 12.0 ft. Br Slightly mois		ınd black mottl		ML			0	tubes.	6 recovery
			silty sand (SW and blace 14.5 to 15.0	ck mottling 0 ft. Gray sil	ense, moist. O No PHC odor ty clay (CL); so	oft,	SW			0	12.5 ft. o 6/30/06.	
	15		wet. No PHC o	odor. Orange	e and black mo	ottling.		=		0	15.0 ft. 1 PVC pip hole.	e terminated at I-in diam. slotted e placed in bore- easured at 10.3
	20									0	ft., 11:45 approx. coring to	5 PM, 3/30/06, 10 min. after cont. 5 15.0 ft.
	25										using po and a sta valve. No sheen of Borehold neat cen with a s concrete	ample collected lyethylene tubing ainless steel foot o PHC odor or n water sample. e grouted with nent and bentonite urface seal of n, 6/30/06.
	30					=					_	nal Water

В	BORING NO.: B5 PROJECT NO.: 0361 PROJECT NAME: Piedmont Station, LLC											
В	BORING LOCATION: South of building ELEVATION AND DATUM: NONE											
DF	ILLIN	G AG	ENCY: Vironex, Inc. DRILLER: Bryan/Jeff			DAT	E & TIME	STARTED:	DATE & TIME FINISHED:			
DF	ILLIN	G EQ		6/30/06								
CC	MPL	ETION	DEPTH: 17.0 FEET BEDROCK DEPTH: Nor	e encoun	tered		LOGGE	D BY:	CHECKED BY:			
FII		ATE	R DEPTH: None Encountered FEET NO. OF SAM	PLES: 2	Soil	EFO			DMG			
	DEPTH (FT.)		DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID		REMARKS			
			0 to 3 ft. Brown gravelly sandy silt (ML); Gravels — <1 in. diam. Medium stiff, moist.  No Petroleum Hydrocarbon (PHC) odor.  —	ML	No Well Constructed		0	Borehole continuously cored using a 5-ft. long 2 inch O.D. Geoprobe Mac rocore Barrel Sampler.				
	5		3.0 to 6.0 ft. Dark brown silt (ML); Medium stiff, moist. No PHC odor X	ML			0	foot inte was line	s collected at 5- rvals. The sampler d with 4.8-ft. long O.D. cellulose			
			6.0 to 7.0 ft. Brown sandy silt w/ coarse sand (ML); Medium stiff, moist. Orange and black mottling.  No PHC odor.  7.0 to 10.0 ft. Orangish brown clayey silt (CL); Very stiff, slightly moist. Orange and yellow mot-	ML CL			0	10.0-15.	0 ft. barrel , no recovery.			
E	10		tling. No PHC odor.				0	Refusal	at 17.0 ft.			
			No Recovery				0	No wate borehole	r encountered in e.			
	15		15.0 to 17.0 ft. Orangish brown clayey silt (CL);  Very stiff, slightly moist. Orange and yellow mot-	CL	- 		0		at 17.0 ft. Bore- uted with neat 6/30/06.			
	20		tling. No PHC odor.									
	25							-				
	30											

В	ORING		B6 PROJECT NO.: 0361 PROJECT NAME: Piedmont Statio	n, LLC					
В	ORING	LOC	ATION: South of building ELEVATION	AND DAT	TUM: NONE				
DF	RILLIN	G AG	ENCY: Vironex, Inc. DRILLER: Bryan/Jeff			DAT	E & TIME	STARTED:	DATE & TIME FINISHED:
DF	RILLIN	G EQ	UIPMENT: Geoprobe 6600				6/30/06		6/30/06
CC	MPLI	ETION	N DEPTH: 17.0 FEET BEDROCK DEPTH: Nor	e encoun	tered	LOGGED BY:			CHECKED BY:
FII		ATE	R DEPTH: None Encountered FEET NO. OF SAN	IPLES: 2		EFO			DMG
	DEPTH (FT.)		_DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION	BLOW COUNT PER 6"	PID		REMARKS
E			0 to 3 ft. Brown gravelly sandy silt (ML); Gravels — <1 in. diam. Medium stiff, moist.  No Petroleum Hydrocarbon (PHC) odor. —	ML	No Well Constructed		0	cored us inch O.E	e continuously sing a 5-ft. long 2- D. Geoprobe Mac- sarrel Sampler.
	5		3.0 to 6.0 ft. Dark brown silt (ML); Medium stiff, moist. No PHC odor.	ML			0	Samples foot inte was line	s collected at 5- rvals. The sampler d with 4.8-ft. long O.D. cellulose
E			6.0 to 7.0 ft. Brown sandy silt w/ coarse sand (ML);  Medium stiff, moist. Orange and black mottling.	ML			0	acetate	
E			No PHC odor. 7.0 to 10.0 ft. Orangish brown clayey silt (CL); Very stiff, slightly moist. Orange and yellow mot-	CL			0		0 ft. barrel , no recovery.
þ	10	$\exists$	tling. No PHC odor.				0		at 17.0 ft.
E			No Recovery				0	No wate borehole	r encountered in e.
E	15				-		0		at 17.0 ft. Bore- uted with neat
E			15.0 to 17.0 ft. Orangish brown clayey silt (CL); — Very stiff, slightly moist. Orange and yellow mottling. No PHC odor.	CL			0	cement,	6/30/06.
	20								
	25								
E			= = = = =				-		-
	30						-		-

В	ORING	NO.:	B7 PROJECT NO.: 0361 PROJECT NAME: Piedmont Statio	n, LLC					
В	ORING	LOC	ATION: South of building	AND DA	TUM: NONE				
DI	RILLIN	G AG	ENCY: Vironex, Inc. DRILLER: Bryan/Jeff			DAT	E & TIME	STARTED:	DATE & TIME FINISHED:
DI	RILLIN	G EC	UIPMENT: Geoprobe 6600				6/30/06	;	6/30/06
C	OMPLI	TION	N DEPTH: 17.0 FEET BEDROCK DEPTH: Nor	e encoun	tered	T	LOGGE	D BY:	CHECKED BY:
FI	RST W	ATE	R DEPTH: None Encountered FEET NO. OF SAM	IPLES: 2	Soil	EFO			DMG
	DEPTH (FT.)		DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	-	REMARKS
			0 to 3 ft. Brown gravelly sandy silt (ML); Gravels — <1 in. diam. Medium stiff, moist.  No Petroleum Hydrocarbon (PHC) odor.  —	ML	No Well Constructed		0	cored us inch O.E rocore E	e continuously sing a 5-ft. long 2- D. Geoprobe Mac- tarrel Sampler.
E	5		3.0 to 6.0 ft. Dark brown silt (ML); Medium stiff, moist. No PHC odor X	ML			0	foot inte was line	s collected at 5- rvals. The sampler d with 4.8-ft. long O.D. cellulose tubes
	10		6.0 to 7.0 ft. Brown sandy silt w/ coarse sand (ML); Medium stiff, moist. Orange and black mottling.  No PHC odor.  7.0 to 10.0 ft. Orangish brown clayey silt (CL); Very stiff, slightly moist. Orange and yellow mot- tling. No PHC odor.	ML CL			0	10.0-15. jammed	0 ft. barrel no recovery. at_17.0 ft.
			No Recovery		-		0		- r encountered in
	15		15.0 to 17.0 ft. Orangish brown clayey silt (CL); — Very stiff, slightly moist. Orange and yellow mot- tling. No PHC odor.	CL			0		at 17.0 ft. Bore- uted with neat 6/30/06.
	25 30						-		-

во	RING	NO.:	B8 PROJECT NO.: 0361 PROJECT	NAME: Pi	edmont Station, LLC				AGE 1 OF 1
во	RING	LOC	ATION: ELEVATIO	N AND DAT	UM: None				
DR	ILLING	3 AG	ENCY: P&D Environmental, Inc. DRILLER: Paul King			DAT	E & TIME	STARTED:	DATE & TIME FINISHED:
DR	ILLING	G EQ	UIPMENT: Hand Auger			1	8/11	/06	9/6/06
СО	MPLE	TION	DEPTH: 12.0 FEET BEDROCK DEPTH: Not	e Encounte	ored	LOGGED BY:			CHECKED BY:
FIR		ATEF	R DEPTH: NA FEET NO. OF SAMPLES: 1 St	il			PF	К	DMG
	DEPTH(FT.)		DESCRIPTION	GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	-	REMARKS
			Gravel Fill	GW			-		hand augered to feet on 8/11/06.
<u>-</u>	2		1.5 ft to 2.2 ft Deep brown silty gravelly sand (SM).	SM				Refusal at 10.0 feet.  Co-located boring	
	4		2.2 ft to 6.0 ft Deep brown silty sand (SM).	SM				adva	nced on 9/6/06.
	6		6.0 ft to 6.25 ft Brown sandy clay (CL).	CL					
_		$\exists$	6.25 ft to 7.0 ft Brown well graded silty sand (SM).	sм					
		$\exists$	7.0 ft to 7.5 ft Brown sandy clay (CL).	CL					
	B	<u></u>	7.5 ft to 8.0 ft Light brown clay (CL).	CL	•				
	10		8.0 ft to 12.0 ft Deep brown clay sandy (CL).	CL					
		F	Borehole terminated at ** feet.				]		

В	ORING	NO.:	B9 PROJECT NO.: 0361 PROJECT	NAME: 40	8 Linda Avenue, Piedn	nont, CA			
В	ORING	LOC	ATION: ELEVATION	N AND DAT	UM: None				
D	RILLING	G AG	ENCY: P&D Envrionmental, Inc. DRILLER: P&D Envrio	mental, Inc.		DAT		STARTED:	DATE & TIME FINISHED:
D	RILLING	G EQ	UIPMENT:				8/11	/06	8/11/06
С	OMPLE	TION	R DEPTH: 12.0 FEET	ne Encounte	ored · · · · ·	]	LOGGE	D BY:	CHECKED BY:
FI		ATEF	R DEPTH: 10.8 FEET NO. OF SAMPLES: 0	-	T	<u> </u>			
	DEPTH(FT.)		DESCRIPTION	GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID		REMARKS
	2		0.0 ft to 2.0 ft Brown clay and sand (CL-ML) with some fine gravel and yellow mottling. No Petroleum Hydrocarbon (PHC) odor.	CL-MI					
	4		2.0 ft to 5.5 ft Dark brown clay (CL); medium stiff, moist. No PHC odor.	CL					
	6		5.5 ft to 7.5 ft Brown clay (CL); medium stiff, moist. No PHC odor.	CL					
	8		7.5 ft to 9.1 ft Gray-brown clay (CL) with trace gravel; stiff, moist. No PHC odor.	CL					
	10		9.1 ft to 10.5 ft Gray-brown clay (CL); stiff, moist. No PHC odor.	CL			-		
E		$\exists$	10.5 ft to 10.8 ft Light brown clay and silt (CL-ML) with some fine gravel; stiff, moist. No PHC odor	CL-ML					
	12		10.8 to 12.0 ft Light brown yellow gravelly clay (CL); with some sand; saturated. No PHC odor.	CL			-		
			Borehole terminated at 12.0 feet	1					

Borehole terminated at 12.0 feet

В	ORING	NO.:	B10 PROJECT NO.: 0361 PROJEC	T NAME:	Piedmont Station, LLC				AGE 1 OF 1
В	ORING	LOC	ATION	ON AND DA			<del></del> -		
DI	RILLING	G AG	ENCY: P&D Environmental DRILLER: Ferdinand			DAT	E & TIME	STARTED:	DATE & TIME FINISHED:
DI	RILLING	S EQ	UIPMENT: Hand Auger			1	9/15	5/06	9/15/06
C	OMPLE	TION	I DEPTH: 10.8 FEET BEDROCK DEPTH: N	one Encou	tered	-	LOGGE	D BY:	CHECKED BY:
FI	RST W	ATEF	R DEPTH: 10.3 FEET NO. OF SAMPLES: N	one	-	1	FJ	0	DMG
	DEPTH(FT.)		DESCRIPTION	GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	Old		REMARKS
	2		0.0 ft to 2.2 ft Brown clay and silt (CL-ML) with trace gravel; soft, dry. No Petroleum Hydrocarbon (PHC) odor.	CL-N					
	4		2.2 ft to 5.3 ft Dark brown clay (CL); medium stiff, moist. No PHC odor.	CL					
	6		5.3 ft to 7.4 ft Brown clay (CL) with some yellow mottling; stiff, moist. No PHC odor.	CL				S	late Pieces
	8		7.4 ft to 9.2 ft Gray-brown clay (CL) with trace gravel; stiff, moist. No PHC odor.	CL			-		·
	10		9.2 ft to 10.3 ft Gray-brown clay (CL) with yellow mottling; stiff, moist. No PHC odor.	CL					-
E			10.3 ft to 10.8 ft Light brown-yellow gravelly (CL) with yellow mottling; stiif, moist. No PHC odor.	CL					;
	12		Borehole terminated at 10.8 feet						

В	ORING	NO.:	T3 PROJECT NO.: 0361 PROJECT N	IAME: Pi	edmont Station, LLC	<del></del>	· · · · · · · · · · · · · · · · · · ·		AGE 1 OF 1	
В	ORING	LOC	ATION: ELEVATION							
D	RILLIN	G AG	ENCY: P&D Environmental, Inc. DRILLER: Paul King			DAI	E & TIME	STARTED:	DATE & TIME FINISHED:	
D	RILLIN	G EQ	UIPMENT: Hand Auger			1	8/11	/06	9/15/06	
С	OMPLE	TION	DEPTH: 7.7 FEET BEDROCK DEPTH: Non	e Encounte	red		LOGGE	D BY:	CHECKED BY:	
FI	RST W	ATE	R DEPTH: NAFEE1 NO. OF SAMPLES: 2 So	ii	-	1	DMG	/FJO -	· DMG -	
	DEPTH(FT.)		DESCRIPTION	GRAPHIC	WELL CONSTRUCTION LOG	BLOW COUNT PER 6*	PID		REMARKS	
			Gravel Fill	GW					and augered to 7.7 et on 8/11/06.	
	2	_	1.5 ft to 2.2 ft Deep brown silty gravelly sand (SM).	SM					eated boring hand ed to 8.0 feet on 9/15/06.	
	4		Z.2 ft to 6.0 ft Deep brown silty sand (SM).	SM						
			<b>X</b>							
E	6	=	6.0 ft to 6.25 ft Brown sandy clay (CL).	CL	•				-	
E			6.25 ft to 7.0 ft Brown well graded silty sand (SM).	SM						
_		$\exists$	7.0 ft to 7.5 ft Brown sandy clay (CL).	CL						
	8	=	7.5 ft to 8.0 ft Light brown clay (CL).	ÇL	-		-			
	10		Borehole terminated at 8.0 feet.							

# LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

## VAULT SOIL SAMPLE RESULTS



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06				
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06				
	Client Contact: Paul King	Date Reported: 07/17/06				
Oakland, CA 94610	Client P.O.:	Date Completed: 07/17/06				

WorkOrder: 0607107

July 17, 2006

Dear Paul:

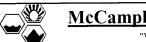
### Enclosed are:

- 1). the results of 5 analyzed samples from your #0361; Piedmont Station, LLC project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



"When Quality Counts"

Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06		
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06		
0.11 1.04.04610	Client Contact: Paul King	Date Extracted: 07/10/06		
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/12/06-07/17/06		

Oil Range (C18+	) Extractable	Hydrocarbons a	ıs Motor Oil*
-----------------	---------------	----------------	---------------

Extraction method: SW3550C		Analytical method	Work Order: 060710		
Lab ID	Client ID	Matrix	TPH(mo)	DF	% SS
0607107-001A	V1-0.25	S	ND	1	98
0607107-002A	V2-0.25	S	ND	1	98
0607107-003A	V3-0.25	S	ND	1	114
0607107-004A	V4-Sump	S	ND	1	99
0607107-005A	V4-Floor	S	ND	l	99

Reporting Limit for DF $=1$ ;	W	NA	NA
ND means not detected at or			
above the reporting limit	S	5.0	mg/Kg

<sup>\*</sup> water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/n ineral spirit.

A



Client Project ID: #0361; Piedmont Date Sampled: 07/06/06 P & D Environmental Station, LLC Date Received: 07/10/06 55 Santa Clara, Ste.240 Client Contact: Paul King Date Extracted: 07/10/06 Oakland, CA 94610 Client P.O.: Date Analyzed: 07/12/06

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD\*

### Work Order: 0607107 Analytical Method: SW8082A Extraction Method: SW3550C 0607107-004A 0607107-002A 0607107-003A Lab ID 0607107-001A V4-Sump V2-0.25 V3-0.25 Client ID V1-0.25 Reporting Limit for DF = 1Matrix S S S S

	DF	1	1	1	: 1	s	W
Compound			mg/kg	ug/L			
Aroclor1016		ND	ND	ND	ND -	0.025	···· NA·
Aroclor1221		ND	ND	ND	ND	0.025	NA
Aroclor1232		ND	ND	ND	ND	0.025	NA
Aroclor1242		ND	ND	ND	ND	0.025	NA
Aroclor1248		ND	ND	ND	ND	0.025	NA
Aroclor1254		ND	ND	ND	ND	0.025	NA
Aroclor1260		ND	ND	ND	ND	0.025	NA
PCBs, total		ND	ND	ND	ND	0.025	NA

	Surro	ogate Recoveries	5 (%)		
%SS:	95	95	95	95	
Comments	The state of the s				

<sup>\*</sup> water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or surrogate coelutes with another peak.



P & D Environmental	/	Date Sampled: 07/06/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
O.M CA 04610	Client Contact: Paul King	Date Extracted: 07/10/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/12/06

	Chefit F.O		Date Mary Zed. 07/12/00									
Pol Extraction Method: SW3550C		yls (PCBs) Aroclors by GC- Method: SW8082A	ECD*  Work Orde	r: 0607107								
Lab ID	0607107-005A	Addition .	- Augusta de la companya de la compa									
Client ID	V4-Floor	: · · · · · · · · · · · · · · · · · · ·	Reporting I	Limit for								
Matrix	S :		DF =	=1								
DF	1	S	W									
Compound		mg/kg	ug/L									
Aroclor1016	ND		0.025	NA								
Aroclor1221	ND		0.025	NA								
Aroclor1232	ND		0.025	NA								
Aroclor1242	ND		0.025	NA								
Aroclor1248	ND		0.025	NA								
Aroclor1254	ND		0.025	NA								
Aroclor1260	ND	. :	0.025	NA								
PCBs, total	ND		0.025	NA								
	Surrogate	e Recoveries (%)										
%SS:	93	:										
Comments												

<sup>\*</sup> water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or surrogate coelutes with another peak.



P & D Environmental

55 Santa Clara, Ste.240

Oakland, CA 94610

## McCampbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Client Project ID: #0361; Piedmont
Station, LLC

Date Sampled: 07/06/06

Date Received: 07/10/06

Client Contact: Paul King

Date Extracted: 07/10/06

Client P.O.:

Date Analyzed: 07/11/06

Lead by ICP\*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0607107

Extraction method: Sw30.	800	4	Anatytical methods.	00100	Work Clust.	000710
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0607107-001A	V1-0.25	S	TTLC	11	1	97
0607107-002A	V2-0.25	S	TTLC	9.9	1	100
0607107-003A	V3-0.25	S	TTLC	13	1	105
0607107-004A	V4-Sump	S	TTLC	10	1	104
0607107-005A	V4-Floor	S	TTLC	7.8	1	104
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						1
						:
						<u>:</u>
				<u></u>		
						<del>†</del>
					İ	1

Reporting Limit for DF =1;	W	TTLC	NA	mg/L
ND means not detected at or		TOTAL C	<i>c</i> 0	/17
above the reporting limit	S	TILC	5.0	mg/Kg

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

Angela Rydelius, Lab Manager

## QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0607107

EPA Method: SW8015C	E	xtraction:	SW3550	С	Batcl	nID: 22596	<b>i</b>	Spiked Sample ID: 0607107-005A					
Analyta	Sample Spike		oiked MS		MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (				
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	LCS / LCSD			
TPH(d)	ND	20	99.5	99.6	0.149	113	113	0	70 - 130	70 - 130			
%SS:	99	50	92	92	0	98	100	2.33	70 - 130	70 - 130			

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

### BATCH 22596 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607107-001A	7/06/06	7/10/06	7/14/06 7:12 AM	0607107-002A	7/06/06	7/10/06	7/14/06 8:21 AM
0607107-003A	7/06/06	7/10/06	7/17/06 1:08 PM	0607107-004A	7/06/06	7/10/06	7/12/06 3:54 PM
0607107-005A	7/06/06	7/10/06	7/12/06 5:07 PM	-			

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

## QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0607107

EPA Method: SW8082A	E	Extraction: SW3550C BatchID: 22597							7 Spiked Sample ID: 0607107-005							
Analyte	Sample Spiked		MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)							
Analyte	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD	LCS / LCSE						
PCBs, total	ND	0.075	94.7	92.7	2.15	99.9	102	2.19	70 - 130	70 - 130						
%SS:	93	0.050	95	94	1.05	93	96	2.45	70 - 130	70 - 130						

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

### BATCH 22597 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607107-001A	7/06/06	7/10/06	7/12/06 6:35 AM	0607107-002A	7/06/06	7/10/06	7/12/06 7:28 AM
0607107-003A	7/06/06	7/10/06	7/12/06 8:22 AM	0607107-004A	7/06/06	7/10/06	7/12/06 9:16 AM
0607107-005A	7/06/06	7/10/06	7/12/06 10:11 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 E-mail: main@mccampbell.com Web: www.mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

## QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0607107

EPA Method: 6010C		Extract	tion: SW	3050B		Batchl	D: 22583		Spiked Sample ID: 0607104-001A					
	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)			
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD			
Lead	ND	50	99	101	1.22	10	102	112	8.63	75 - 125	80 - 120			
%SS:	102	250	99	102	2.39	250	104	103	1.26	70 - 130	70 - 130			

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22583 SUMMARY

				DITTOTTLE	0 00,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Sample ID	Date Sampled	Date E	Extracted	Date Analyzed	Sample ID	Date Sampled		Extracted	Date Analyzed
0607107-001A		6/06	7/10/06	7/11/06 8:16 PM	0607107-002A		7/06/06	7/10/06	7/11/06 8:19 PM
0607107-003A	7/06	5/06	7/10/06	7/11/06 8:21 PM	0607107-004A		7/06/06	7/10/06	7/11/06 8:23 PM
0607107-005A	7/0€	5/06	7/10/06	7/11/06 8:25 PM					

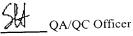
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

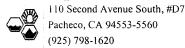
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.





# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0607107

ClientID: PDEO

EDF: NO

Report to:

Paul King

P & D Environmental

TEL:

FAX:

PO:

(510) 658-6916

510-834-0152 ProjectNo: #0361; Piedmont Station, LLC

55 Santa Clara, Ste.240

Oakland, CA 94610

Bill to:

Requested TAT:

Accounts Payable

P & D Environmental

55 Santa Clara, Ste.240

Date Received:

07/10/2006

5 days

Oakland, CA 94610

Date Printed:

07/10/2006

										Rec	quest	ed T	ests	(See	e leg	end b	elov	v)				
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2		3		4	5		6		7	8		9	10		11	12
0607107-001	V1-0.25	Soil	7/6/06		Α	Α	Ī	Α				Ī		T					-	T		
0607107-002	V2-0.25	Soil	7/6/06		Α	Α		Α														
0607107-003	V3-0.25	Soil	7/6/06		Α	Α		Α							,				1			
0607107-004	V4-Sump	Soil	7/6/06		Α	Α		Α	1			1	ALC: 92111,38888	Ī		1						
0607107-005	V4-Floor	Soil	7/6/06		Α	Α		Α														

### Test Legend:

1	8082A_PCB_S
6	
11	

2	ì			Ρ	B_5	S		
7		 	 				 	
12	9						 	 1

3	TPH(MO)_S
8	

4	
9	
L	

1	5		
	10		 

Prepared by: Maria Venegas

### Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

## P & D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916

# OWTIOT CHAIN OF CUSTODY RECORD

PAGE \_ L OF \_\_ PROJECT NAME: PROJECT NUMBER: Piedmont Station, LLC 0361 SAMPLED BY: (PRINTED AND SIGNATURE) REMARKS and H. King SAMPLE LOCATION TIME | TYPE DATE SAMPLE NUMBER TCE Normal Purn Aronal V1-0.25 7/6/06 Soil VZ - 0.25 1) V3-0.25 V4 - Sump V4-F-1005 ICE (°
GODD CONDITION
HEAD STACE ABSENT APPROPRIATI HEAD STACE ABSENT CONTAINERS
DECHLORINATED IN LAB PRESERVED IN LAB | CAG | METALS | OTHER PRESERVATION TOTAL HOL OF SAMPLES LABORATORY: RECEIVED BY: (SIGNATURE) RELINQUISHED BY: (SICHATURE) / (THIS SHEWOIT) DATE TIME Mc Campbell Analytical TOTAL NO. OF CONTAINERS (THIS SHETWENT) LABORATORY CONTACT: LABORATORY PHONE NUMBER: RECEIVED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) Angela Rydelius (925) 252-9262 SAMPLE ANALYSIS REQUEST SHEET RECEIVED FOR LABORATORY BY: RELINQUISHED BY: (SIGNATURE) ATTACHED: ( )YES (X)NO (SIGNATURE) REMARKS:

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
0.11 1.04 04(10	Client Contact: Paul King	Date Reported: 07/17/06
Oakland, CA 94610	Client P.O.:	Date Completed: 07/26/06

WorkOrder: 0607107

July 26, 2006

Dear Paul:

### Enclosed are:

- 1). the results of 5 analyzed samples from your #0361; Piedmont Station, LLC project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55.0	Station, LLC	Date Received: 07/10/06
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Work Order: 0607107 Analytical Method: SW8260B Extraction Method: SW5030B

Lab ID	i			0607107-001A			
Client ID				V1-0.25			
Matrix				Soil			
			Reporting				Reporting
Compound	Concentration *	DF	Limit	Compound	Concentration *	DF	Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND ND	1.0	0.005
	ND ND	1.0	0.003	2,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	+ · · · · · · · · · · · · · · · · · · ·		0.005	cis-1,3-Dichloropropene	ND ND	1.0	0.003
1,1-Dichloropropene	ND	1.0			ND ND		
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)		1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane		1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	_ 1.0_	Ω.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND ·	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005
		Sur	rogate R	ecoveries (%)			
%SS1:	96	)		%SS2:	10	3	
%SS3:	103	3					

### Comments:

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

## McCampbell Analytical, Inc. "When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 G Cl Gr. 240	Station, LLC	Date Received: 07/10/06
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

## Volatile Organics by P&T and GC/MS (Basic Target List)\*

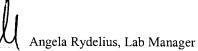
Analytical Method: SW8260B Work Order: 0607107 Extraction Method: SW5030B

Lab ID		7 1110	,	0607107-002A		Older. U	
				V2-0.25			
Client ID							
Matrix			Reporting	Soil	1		Reporting
Compound	Concentration *	DF	Limit	Compound	Concentration *	DF	Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.003
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.00
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.003
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.00.
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.00:
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.003
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.00
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.00:
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.00
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.00
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.00
1.4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.00
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.00
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.00
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.003
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.003
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.00
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.00
Ethylbenzene	ND ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.00
Freon 113	ND ND	1.0	0.003	Hexachlorobutadiene	ND	1.0	0.00
Hexachloroethane	ND ND	1.0	0.005	2-Hexanone	ND	1.0	0.00
Isopropylbenzene	ND ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.00
			+	Methylene chloride			
Methyl-t-butyl ether (MTBE)	ND ND	1.0	0.005		ND	1.0	0.00
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.00
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.00:
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.00
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.00
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.00
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.00
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.00
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.00
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.00
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND ND	1.0	0.00
		Sur	rogate R	ecoveries (%)			
%SS1:	96			%SS2:	104	1	
%SS3:	100						

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

		I
P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 Courts Claus Sts 240	Station, LLC	Date Received: 07/10/06
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0607107

Lab ID	0607107-003A
Client ID	V3-0.25
Matrix	Soil

Matrix				Soil									
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit						
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05						
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005						
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005						
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005						
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005						
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05						
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005						
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005						
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005						
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01						
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005						
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005						
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005						
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005						
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005						
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005						
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005						
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005						
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005						
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005						
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005						
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005						
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005						
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005						
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005						
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005						
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005						
4-Methyl-2-pentanone (MIBK)	ND · · ·	1:0	0.005	Naphthalene	ND · · ·	1:0-	0.005						
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005						
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005						
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005						
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005						
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005						
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005						
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005						
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005						
Vinyl Chloride	. ND	1.0	0.005	Xylenes	ND	1.0	0.005						
			rogate Re	ecoveries (%)									
%SS1:	89	)		%SS2:	104	1							
0/863		2											

%SS1:	89	%SS2:	104
%SS3:	102		

Comments:

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~l vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



P & D Environmental	,	Date Sampled: 07/06/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/22/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0607107

Lab ID	0607107-004A
Client ID	V4-Sump
Matrix	Soil

Matrix				Soil						
Compound	d Concentration *		Reporting Limit	Compound	Concentration *	DF	Reportin Limit			
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05			
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.00			
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.00			
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.00			
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.00			
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05			
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.00			
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.00			
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.00			
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01			
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005			
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005			
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.00			
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005			
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.00			
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.00			
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.003			
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005			
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005			
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005			
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005			
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005			
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005			
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005			
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005			
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005			
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005			
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005			
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005			
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005			
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005			
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005			
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005			
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005			
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005			
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005			
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.003			
		Sur	rogate Re	ecoveries (%)						
%SS1:	99			%SS2:	100					
0/2023	07				- L.,					

Surrogate Recoveries (%)												
%SS1:		99	%SS2:	100								
%SS3:		97										
Comments:			***************************************	N. C.								

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@nccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 Santa Clara Sta 240	Station, LLC	Date Received: 07/10/06
Station, LLC S5 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B		Work	Work Order: 0607107					
Lab ID				0607107-005A				
Client ID				V4-Floor				
Matrix				Soil				
Compound	Compound Concentration * D		Reporting Limit	Compound	Concentration *	DF	Reporting Limit	
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05	
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005	
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005	
Bromochloromethane	ND	ND 1.0 0.005 Bromodichloromethar			ND	1.0	0.005	
Bromoform	ND	Bromomethane	ND	1.0	0.005			
2-Butanone (MEK)	ND	ND	1.0	0.05				
n-Butyl benzene	ND	1.0	0.005	ND	1.0	0.005		
tert-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene Carbon Disulfide	ND	1.0	0.005	
Carbon Tetrachloride								
Chloroethane	ND ND	1.0	0.005					
Chloroform	The second secon					1.0	0.005	
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND ND	1.0	0.005	
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005	
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005	
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005	
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005	
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND ND	- 1.0	0.005	
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005	
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005	
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005	
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005	
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005	
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND I	1.0	0.005	
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005	
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005	
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005	
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005	
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005	
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND ND	1.0	0.005	
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005	
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005	
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005	
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.003	
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.003	
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND ND	1.0	0.005	
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND ND	1.0	0.005	
	1			ecoveries (%)	ואט	1.0	0.003	

Surrogate Recoveries (%)											
%SS1:	94	%SS2:	104								
%SS3:	104										
Comments:											

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

## QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0607107

EPA Method: SW8260B	E	xtraction	: <b>SW</b> 5030	В	Batcl	hID: 22768	3	Spiked Sample ID: 0607106-002A					
Analyte	Sample Spiked MS M		MSD	MS-MSD	LCS	LCSD	LCS-LCSD	e Criteria (%)					
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD			
tert-Amyl methyl ether (TAME)	ND	0.050	102	103	1.18	110	113	2.51	70 - 130	70 - 130			
Benzene	ND	0.050	107	109	2.36	116	119	2.04	70 - 130	70 - 130			
t-Butyl alcohol (TBA)	ND	0.25	94.2	113	18.4	114	112	1.70	70 - 130	70 - 130			
Chlorobenzene	ND	0.050	96.8	97.3	0.530	104	106	1.76	70 - 130	70 - 130			
1,2-Dibromoethane (EDB)	ND	0.050	93.6	96	2.55	101	103	1.44	70 - 130	70 - 130			
1,2-Dichloroethane (1,2-DCA)	ND	0.050	117	127	7.97	129	126	2.40	70 - 130	70 - 130			
1,1-Dichloroethene	ND	0.050	122	119	2.81	129	124	4.11	70 - 130	70 - 130			
Diisopropyl ether (DIPE)	ND	0.050	122	119	2.23	127	128	0.126	70 - 130	70 - 130			
Ethyl tert-butyl ether (ETBE)	ND	0.050	111	111	0	120	121	0.344	70 - 130	70 - 130			
Methyl-t-butyl ether (MTBE)	ND	0.050	118	122	3.54	126	126	0	70 - 130	70 - 130			
Toluene	ND	0.050	91.3	84.4	7.90	96.7	96.7	0	70 - 130	70 - 130			
Trichloroethene	ND	0.050	86.3	87.2	1.04	93.6	94.7	1.20	70 - 130	70 - 130			
%SS1:	101	0.050	104	106	1.91	106	106	0	70 - 130	70 - 130			
%SS2:	104	0.050	100	94	5.44	97 95		1.75	70 - 130	70 - 130			
%SS3:	106	0.050	89	73	20.1	82	77	6.73	70 - 130	70 - 130			

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

### BATCH 22768 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607107-001A	7/06/06	7/20/06	7/21/06 6:34 AM	0607107-002A	7/06/06	7/20/06	7/21/06 7:18 AM
0607107-003A	7/06/06	7/20/06	7/21/06 8:01 AM	0607107-004A	7/06/06	7/20/06	7/22/06 6:20 PM
0607107-005A	7/06/06	7/20/06	7/21/06 9:29 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

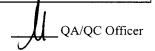
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

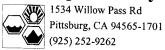
Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



## P & D ENVIRONMENTAL, INC.

55 Santa Clara Avc, Suite 240 Oakland, CA 94610 (510) 658-6916 CHAIN OF CUSTODY RECORD

PAGE \_ L OF \_ (510) 658-6916 PROJECT NAME PROJECT NUMBER: Piedmont Station, LLC SAMPLED BY: (PRINTED AND SIGNATURE) P. King 0361 REMARKS SAMPLE LOCATION TYPE SAMPLE NUMBER DATE TIME Normal Purn Arouse TCE 7/6/04 Soll V1-0,25 VZ - 0.25 √3 - 0,25 1) V4 - Sump V4- F-100-GOOD CONDITION HEAD SPACE ABSENT. CONTAINERS PRESERVED IN LAB DECHLORINATED IN LAB\_ | ORG | METALS | OTHER PRESERVATION (THES SHEWENT) LABORATORY: RECEIVED BY: (SIGNATURE) RELINQUISHED BY: (SIGNATURE) TIME DATE Mc Campbell Analytical TOTAL HO. OF CONTAINERS (THIS SHITMENT) and M. King LABORATORY CONTACT: LABORATORY PHONE NUMBER: RECEIVED BY: (SIGNATURE) REUNQUISHED BY: (SIGNATURE) DATE TIME Angela Rydelius (925) 252-9262 SAMPLE ANALYSIS REQUEST SHEET RECEIVED FOR LABORATORY BY: RELINQUISHED BY: (SIGNATURE) DATE ATTACHED: ( )YES (X)NO (SIGNATURE) REMARKS:



# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0607107

ClientID: PDEO

**EDF: NO** 

Report to:

Paul King

P & D Environmental

55 Santa Clara, Ste.240 Oakland, CA 94610

TEL: FAX:

(510) 658-6916

510-834-0152

ProjectNo: #0361; Piedmont Station, LLC

PO:

Bill to:

Accounts Payable

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Requested TAT:

Date Received: 07/10/2006

5 days

Date Add-On: 07/20/2006

Date Printed: 07/20/2006

Sample ID	ClientSampID	••	_						R	equ	ested	Tests	(See id	egend	belo	w)				
• *	Спенсватрів	Matrix	Collection Date	Hold	1	2	<u> </u>	3	4		5	6	7		8	9	10	1	1	12
0607107-001	V1-0.25	Soil	7/6/06		Δ								T				T	_		
0607107-002	V2-0.25	Soil	7/6/06	+#+	Α		-			-			<del> </del>		-		ļ	_		
0607107-003	V3-0.25	Soil	7/6/06	151	A					-			-							
0607107-004	V4-Sump	Soil	7/6/06	151	A		-										ļ			
0607107-005	V4-Floor	Soil	7/6/06		Α		+			+				-	-			-	_	

### Test Legend:

10	1 8260B_S 6 11	8	9	5 10

Prepared by: Maria Venegas

Comments:

8260 added to all samples on 7/20/06 5d per P.K

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

## TEST PIT AND TRENCH SOIL SAMPLE RESULTS



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
Oakland, CA 94610	Client Contact: Paul King	Date Reported: 07/17/06
	Client P.O.:	Date Completed: 07/17/06

WorkOrder: 0607106

July 17, 2006

Dear Paul:

Enclosed are:

- 1). the results of 5 analyzed samples from your #0361; Piedmont Station, LLC project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06-07/07/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
Oakland, CA 94610	Client Contact: Paul King	Date Extracted: 07/10/06
	Client P.O.:	Date Analyzed: 07/14/06-07/17/06

Extraction method: SW35:		Analytical method	ds: SW8015C	Work Order	0607106
Lab ID	Client ID	Matrix	TPH(mo)	DF	% SS
0607106-001A	T1-2.5	S	ND	1	90
0607106-002A	T2-2.5	S	ND	1	98
0607106-003A	T3-2.0	S	5500,g,b	200	102
0607106-004A	T4-1.25	S	ND	1	98
0607106-005A	T5-1.75	S	6.8,g,b	1	98
-					
-					<u> </u>
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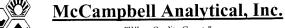
Reporting Limit for DF =1; ND means not detected at or	W	NA	NA	
above the reporting limit	S	5.0	mg/Kg	

<sup>\*</sup> water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

Angela Rydelius, Lab Manager

<sup>#</sup> cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

<sup>+</sup>The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	,	Date Sampled: 07/06/06-07/07/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
Oakland, CA 94610	Client Contact: Paul King	Date Extracted: 07/10/06
	Client P.O.:	Date Analyzed: 07/12/06-07/14/06

Pol Extraction Method: SW3550C	•	phenyls (PCBs) A alytical Method: SW808	Aroclors by GC-	ECD*	Work Ord	er: 0607106
Lab ID	0607106-001A	0607106-002A	0607106-003A	0607106-004A		
Client ID	T1-2.5	T2-2.5	T3-2.0	T4-1.25	Reporting	Limit for
Matrix	S	S	S	S S	DF	
DF	. 1		5	1	S	W
Compound		Conc	entration		mg/kg	ug/L
Aroclor1016	ND	ND	ND<0.12	ND	0.025	NA
Aroclor1221	ND	ND	ND<0.12	ND	0.025	NA
Aroclor1232	ND	ND	ND<0.12	ND	0.025	NA
Aroclor1242	ND	ND	ND<0.12	ND	0.025	NA
Aroclor1248	ND	ND	ND<0.12	ND	0.025	NA
Aroclor1254	ND	ND	ND<0.12	ND	0.025	NA
Aroclor1260	ND	ND	0.27	ND	0.025	NA
PCBs, total	ND	ND	0.27	ND	0.025	NA
	Surr	ogate Recoverie	s (%)	200 Miles 200 Mi		
%SS:	98	95	110	92		
Comments		1	O			

<sup>\*</sup> water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or surrogate coelutes with another peak.

# McCampbell Analytical, Inc. "When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06-07/07/	06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06	
Oakland, CA 94610	Client Contact: Paul King	Date Extracted: 07/10/06	
	Client P.O.:	Date Analyzed: 07/12/06-07/14/	/06

Client P.O.: Date Analyzed:			07/12/00-07/14/00		
Po Extraction Method: SW3550C	•	nyls (PCBs) Aroclors b	y GC-ECD*	Work Orde	er: 0607106
Lab ID	0607106-005A				
Client ID				Reporting	
Matrix	s			DF	=1
DF	1			S	W
Compound		Concentration		mg/kg	ug/L
Aroclor1016	ND			0.025	NA
Aroclor1221	ND			0.025	NA
Aroclor1232	ND			0.025	NA
Aroclor1242	ND			0.025	NA
Aroclor1248	ND			0.025	NA
Aroclor1254	ND			0.025	NA
Aroclor1260	ND			0.025	NA
PCBs, total	ND			0.025	NA
	Surroga	te Recoveries (%)	k		
%SS:	87				
Comments				and the state of t	

<sup>\*</sup> water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or surrogate coelutes with another peak.



P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06-07/07/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
Oakland, CA 94610	Client Contact: Paul King	Date Extracted: 07/10/06
	Client P.O.:	Date Analyzed: 07/11/06

Lead by ICP\*

Extraction method:	SW3050B		Analytical methods:	6010C Wo	ork Order:	0607106
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
			TOTAL C	00		102

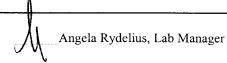
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% 88
0607106-001A	T1-2.5	s	TTLC	98	l	103
0607106-002A	T2-2.5	S	TTLC	61	1	101
0607106-003A	T3-2.0	s	TTLC	260	1	95
0607106-004A	T4-1.25	s	TTLC	17	1	96
0607106-005A	T5-1.75	s	TTLC	43	1	104
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		1	1		<u> </u>	

Reporting Limit for DF =1;	W	TTLC	NA	mg/L
ND means not detected at or above the reporting limit	S	TTLC	5.0	mg/Kg

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



## QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0607106

EPA Method: SW8015C Extraction: SW3550C					BatchID: 22575			Spiked Sample ID: 0607082-011A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
Analyte	mg/Kg m	mg/Kg	mg/Kg % Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	92.2	96.4	4.37	88.6	88.1	0.606	70 - 130	70 - 130
%SS:	100	50	81	93	13.9	92	91	0.305	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

### **BATCH 22575 SUMMARY**

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607106-001A	7/06/06	7/10/06	7/17/06 3:42 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

## QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0607106

EPA Method: SW8015C Extraction: SW3550C					BatchID: 22596			Spiked Sample ID: 0607107-005A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	99.5	99.6	0.149	113	113	0	70 - 130	70 - 130
%SS:	99	50	92	92	0	98	100	2.33	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

### BATCH 22596 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607106-002A	7/06/06	7/10/06	7/15/06 7:42 AM	0607106-003A	7/07/06	7/10/06	7/14/06 5:06 AM
0607106-004A	7/07/06	7/10/06	7/15/06 8:50 AM	0607106-005A	7/07/06	7/10/06	7/15/06 9:59 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

## QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0607106

EPA Method: SW8082A	od: SW8082A Extraction: SW3550C					BatchID: 22597			Spiked Sample ID: 0607107-005A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
Analyte	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
PCBs, total	ND	0.075	94.7	92.7	2.15	99.9	102	2.19	70 - 130	70 - 130	
%SS:	93	0.050	95	94	1.05	93	96	2.45	70 - 130	70 - 130	

 $All \ target \ compounds \ in \ the \ Method \ Blank \ of \ this \ extraction \ batch \ were \ ND \ less \ than \ the \ method \ RL \ with \ the \ following \ exceptions:$ 

NONE

### BATCH 22597 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607106-001A	7/06/06	7/10/06	7/12/06 2:06 AM	0607106-002A	7/06/06	7/10/06	7/12/06 3:00 AM
0607106-003A	7/07/06	7/10/06	7/14/06 9:34 AM	0607106-004A	7/07/06	7/10/06	7/12/06 3:53 AM
0607106-005A	7/07/06	7/10/06	7/12/06 4:47 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

## QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0607106

EPA Method: 6010C	Extraction: SW3050B					Batch	D: 22583		Spiked Sample ID: 0607104-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
,.	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Lead	ND	50	99	101	1.22	10	102	112	8.63	75 - 125	80 - 120	
%SS:	102	250	99	102	2.39	250	104	103	1.26	70 - 130	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

### BATCH 22583 SUMMARY

Sample ID	Date Sampled	Date Extracte	ed Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607106-001A	7/0	6/06 7/10/	/06 7/11/06 8:05 PM	0607106-002A	7/00	5/06 7/10/06	7/11/06 8:08 PM
0607106-003A	7/0	7/06 7/10/	/06 7/11/06 8:10 PM	0607106-004A	7/01	7/06 7/10/06	7/11/06 8:12 PM
0607106-005A	7/0	7/06 7/10/	/06 7/11/06 8:14 PM	!			

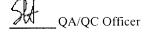
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

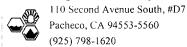
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.





# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0607106

ClientID: PDEO

EDF: NO

Report to:

Paul King

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

TEL: FAX:

(510) 658-6916

510-834-0152 ProjectNo: #0361; Piedmont Station, LLC

PO:

Bill to:

Accounts Payable

P & D Environmental

Oakland, CA 94610

55 Santa Clara, Ste.240

Requested TAT:

Date Received:

07/10/2006

5 days

Date Printed:

07/10/2006

				Ī					 Re	eque	ested	Tests	ests (See legend below)									
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1		2	3	4		5	6	7	8	3	9		10	11	12		
2007400 004	7105		7/0/00			-			 										· · · · · · · · · · · · · · · · · · ·			
0607106-001 0607106-002	T1-2.5 T2-2.5	Soil Soil	7/6/06 7/6/06		A A	-	A A	A		-									-			
0607106-003	T3-2.0	Soil	7/7/06		Α		A	Α											<del> </del>			
0607106-004	T4-1.25	Soil	7/7/06		Α		Α	Α												· · · · · · · · · · · · · · · · · · ·		
0607106-005	T5-1.75	Soil	7/7/06		Α		Α	Α											<u> </u>			

#### Test Legend:

1 8082A_PCB_S	2 PB_S	3 TPH(MO)_S	4	5
6	7	8	9	10
11	12			

Prepared by: Maria Venegas

#### **Comments:**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

# P & D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916

# 0607106

# CHAIN OF CUSTODY RECORD

PROJECT NUMBER:		1	ROJECT			A CONTRACTOR OF THE CONTRACTOR		7	<del>3</del> /	/	3/	7	7	77	7		
0361		1	Piedm	fe Ina	ention, LLC			1	i/ ,	13		9	/	/ /	3/6		
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SAMPLE NUMBER	DATE	ПМЕ	TYPE		SAMPLE LOCA		NUMBER OF CONTAINERS	F			्री 	/ /	/ ,	A d			
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T3 -2.0	717106		17				•	X	X	X				N	>>	2">	n
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RELINGUISHED BY!	(SIGNATURE		DATE	TIME	RECEIVED BY:	(SIGNATURE)									RATORY F		
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RELINQUISHED BY:	(SIGNATURE	) / .	DATE	TIME	RÉCEIVED FOR (SIGNATURE)	LABORATORY	BY:								COUEST SH	IEET	
			<u> </u>		REMARKS:			ı									

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 08/11/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 08/11/06
Oakland, CA 94610	Client Contact: Paul King	Date Reported: 08/14/06
Cariana, CA 74010	Client P.O.:	Date Completed: 08/14/06

WorkOrder: 0608288

August 14, 2006

Dear Paul:

### Enclosed are:

- 1). the results of 2 analyzed samples from your #0361; Piedmont Station, LLC project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 08/11/06				
55 Santa Clara, Ste.240	Station, LLC	Date Received: 08/11/06				
Oakland CA 04610	Client Contact: Paul King	Date Extracted 08/11/06				
Oakland, CA 94610	Client P.O.:	Date Analyzed 08/12/06				

### Oil Range (C18+) Extractable Hydrocarbons as Motor Oil\*

Extraction method: SW35	50C	Analytical	nethods: SW8015C	Work Order:	0608288
Lab ID	Client ID	Matrix	TPH(mo)	DF	% SS
0608288-001A	T3-3.5	s	150,g,b	1	98
0608288-002A	T3-5.5	S	230,g,b	1	96
		-			
				·	
	***************************************				

Reporting Limit for DF = $1$ ;	W	NA	NA
ND means not detected at or			 
above the reporting limit	S	5.0	mg/Kg

<sup>\*</sup> water samples are reported in  $\mu g/L$ , wipe samples in  $\mu g/wipe$ , soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in  $\mu g/L$ .

# cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

Angela Rydelius, Lab Manager

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 08/11/06		
55 Santa Clara, Ste.240	Station, LLC	Date Received: 08/11/06		
Oakland, CA 94610	Client Contact: Paul King	Date Extracted: 08/11/06		
	Client P.O.:	Date Analyzed: 08/12/06		

## Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD\*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0608288 Lab ID 0608288-001A 0608288-002A Client ID T3-3.5 T3-5.5 Reporting Limit for DF = 1Matrix S S DF 1 1 S W Compound Concentration mg/kg ug/L Aroclor1016 ND ND 0.025 NA Aroclor1221 ND ND 0.025NA Aroclor1232 ND ND 0.025 NA Aroclor1242 ND ND 0.025 NA Aroclor1248 ND ND 0.025 NA Aroclor1254 ND ND 0.025 NA Aroclor1260 ND ND 0.025NA PCBs, total ND ND 0.025 NA Surrogate Recoveries (%) %SS: 108 103 Comments 0

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.



<sup>\*</sup> water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or surrogate coelutes with another peak.

### QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0608288

EPA Method: SW8082A	E	xtraction	SW3550	C	Batch	nID: 23142	!	Spiked Sample ID: 0608288-002A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
, unaryte	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
PCBs, total	ND	0.075	104	105	1.21	82.6	85.7	3.68	70 - 130	70 - 130	
%SS:	103	0.050	104	105	1.08	92	92	0	70 - 130	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

#### **BATCH 23142 SUMMARY**

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608288-001A	8/11/06	8/11/06	8/12/06 12:33 AM	0608288-002A	8/11/06	8/11/06	8/12/06 1:27 AM

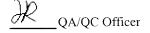
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



## QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0608288

EPA Method: SW8015C	E	Extraction: SW3550C			Batc	hID: 23183	3	Spiked Sample ID: 0608285-016A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
, was, to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(d)	1.9	20	94.6	92.7	1.83	101	102	0.898	70 - 130	70 - 130	
%SS:	94	50	98	96	1.99	98	99	0.164	70 - 130	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

### **BATCH 23183 SUMMARY**

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608288-001A	8/11/06	8/11/06	8/12/06 2:38 AM	0608288-002A	8/11/06	8/11/06	8/12/06 4:55 AM

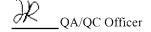
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

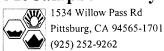
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.





# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0608288

ClientID: PDEO

EDF: NO

Requested TAT:

Date Printed:

Report to:

Paul King

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610

Email: TEL:

(510) 658-6916 ProjectNo: #0361; Piedmont Station, LLC

FAX: 510-834-0152

PO:

Bill to: Accounts Payable

P & D Environmental

55 Santa Clara, Ste.240

Oakland, CA 94610

Date Received: 08/11/2006

08/11/2006

1 day

							Red	questec	l Tests	(See le	gend b	elow)			
Sample ID	ClientSampID	Matrix	Collection Date	1	2	3	4	5	6	7	8	9	1	0 1	11 12
0608288-001	T3-3.5	Soil	8/11/06	Α	Α										
0608288-002	T3-5.5	Soil	8/11/06	Δ	Δ										

#### Test Legend:

1 8082A_PCB_S	2 TPH(MO)_S	3	4	5
6	7	8	9	10
11	12			

Prepared by: Rosa Venegas

#### **Comments:**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

# P & D ENVIRONMENTAL, INC.

24e0 0608288 RUSH

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916

CHAIN OF CUSTODY RECORD

									<u> </u>						
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		`				- <b>,</b>								-5-52 (-25	
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					(SICNATURE)					ATT.	ACH	ED:	( )YES	5 (X)NO	
T 773 ev /	* <b>L</b>	_ 1 .	1		REMARKS: ICE	OOD CONDITION	4	<del>//-</del>	-	PROP	NIDES	3			
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picase eva	inche j	he co	entse-	of real new		PERRYATION	VOAS	08	èG N	METAL!	S O	LHER	j		

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
Oakland, CA 94610	Client Contact: Paul King	Date Reported: 07/17/06
Oakiand, CA 94010	Client P.O.:	Date Completed: 07/26/06

WorkOrder: 0607106

July 26, 2006

Dear Paul:

### Enclosed are:

- 1). the results of 5 analyzed samples from your #0361; Piedmont Station, LLC project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
55 Santa Ciara, Stc.240	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0607106

 Lab ID
 0607106-001A

 Client ID
 T1-2.5

 Matrix
 Soil

Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportin Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.00
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.00
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.00
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.00
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.0
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.00
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.00
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.00
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.0
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.00
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.00
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.00
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.00
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.00
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.00
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.00
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.00
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.00
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.00
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.00
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.00
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.00
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.00
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.00
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.00
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND +	1.0	0.00
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.00
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND ND	1.0	0.00
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.00
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND ND	1.0	0.00
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.00
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.00
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.00
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.00
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.00
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.003
		Surr	ogate Re	coveries (%)	11 11 11 11 11 11 11 11 11 11 11 11 11		
%SS1:	97			%SS2:	104		

%SS3:

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

Angela Rydelius, Lab Manager

<sup>\*</sup> water and vapor samples are reported in  $\mu g/L$ , soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in  $\mu g/wipe$ .

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/06/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
55 Santa Ciara, Stc.240	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0607106

Lab ID 0607106-002A	
Client ID T2-2.5	
Matrix Soil	

Matrix				Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit		
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05		
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005		
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005		
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005		
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005		
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05		
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005		
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005		
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005		
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01		
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005		
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005		
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005		
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005		
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005		
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005		
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005		
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005		
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005		
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005		
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005		
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005		
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005		
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005		
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND I	1.0	0.005		
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005		
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005		
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005		
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005		
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.003		
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005		
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0			
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005		
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND ND	1.0			
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005		
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND ND				
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005		
1000	Lance and the second			ND   1.0   0.005					
%SS1:	%SS1: Surrogate K								
%SS3:	106			70004.	104				

Comments:

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

P & D Environmental

55 Santa Clara, Ste.240

Oakland, CA 94610

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

Client Project ID: #0361; Piedmont	Date Sampled: 07/07/06					
Station, LLC	Date Received: 07/10/06					
Client Contact: Paul King	Date Extracted: 07/20/06					
Client P.O.:	Date Analyzed: 07/21/06					

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B

Work Order: 0607106 Lab ID 0607106-003A Client ID T3-2.0

Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportin
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.00
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.00
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.00
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.00
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.00
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.00
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.00
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.00
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.00
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.003
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND ND	1.0	0.003
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND ND	1.0	0.00
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.00.
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.003
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.003
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND H	1.0	0.003
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.003
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND ND		0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	*	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND ND	1.0	0.005
Vinyl Chloride	ND	1.0		Xylenes		1.0	0.005
	l			coveries (%)	ND	1.0	0.005

	Surrogate R	ecoveries (%)		1.0
%SS1:		%SS2:		103
%SS3:	106		The second secon	
Comments				

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

% D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/07/06
5 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
5 Santa Ciara, Stc.240	Client Contact: Paul King	Date Extracted: 07/20/06
Dakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0607106

 Lab ID
 0607106-004A

 Client ID
 T4-1.25

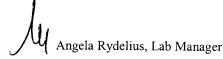
 Matrix
 Soil

Matrix			S0II							
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit			
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05			
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005			
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005			
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005			
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005			
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05			
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005			
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005			
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005			
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01			
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005			
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005			
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005			
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005			
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005			
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005			
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005			
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005			
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005			
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005			
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005			
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005			
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005			
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005			
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005			
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005			
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005			
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND T	1.0	0.005			
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005			
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005			
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005			
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005			
1,2,4-Trichlorobenzene	ND	. 1.0.	0.005	1,1,1-Trichloroethane	ND ND	1.0	0.003			
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005			
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005			
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005			
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005			
				coveries (%)	1112	1.0	0.003			

	 Surrogate	Recoveries (%)	
%SS1:	93	%SS2:	104
%SS3:	105		 

Comments:

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/07/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
55 Sumu Clara, Stc.240	Client Contact: Paul King	Date Extracted: 07/20/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

## Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B Analytical Method: SW8260B

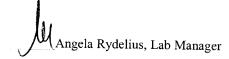
Work Order: 0607106 Lab ID 0607106-005A Client ID T5-1.75

Matrix	(			Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportin
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.0
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.00
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.00
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.00
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.00
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.0
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.00
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	· · · · · ND	1.0	0.00
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.00
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.0
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.00
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.00
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.00
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.00
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.00
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.00
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.00
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.00
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.00
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.00
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.00
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.00
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND ND	1.0	+
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.00
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.00
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND ND		0.00
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND ND	1.0	0.00
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.00
Nitrobenzene	··· ND ···	1.0	0.1	n-Propyl benzene	ND ND	1.0	0.00
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane		1.0	0.00
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND ND	1.0	0.00
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.00
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND ND	1.0	0.00
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.00
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.00
1,2,4-Trimethylbenzene	ND	1.0	0.005		ND	1.0	0.00
Vinyl Chloride	ND ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.00
	i ND			Xylenes	ND ,	1.0	0.005
%SS1:	99	Surr	ogate Ke	coveries (%) %SS2:			
0/003				/0552.	103		

	1.0 0.005		l NI	
	Surrogate Re	ecoveries (%)		
%SS1:	99	%SS2:		103
%SS3:	105			

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

# QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0607106

EPA Method: SW8260B	<u> </u>	Extraction	: SW5030	В	Batc	hID: 22768	3	Spiked Sample ID: 0607106-002A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD		Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% <sub>.</sub> RPD	% Rec.	% Rec.	% RPD	-MS/MSD	LCS / LCSI		
tert-Amyl methyl ether (TAME)	ND	0.050	102	103	1.18	110	113	2.51	70 - 130	70 - 130		
Benzene	ND	0.050	107	109	2.36	116	119	2.04	70 - 130	70 - 130		
t-Butyl alcohol (TBA)	ND	0.25	94.2	113	18.4	114	112	1.70	70 - 130	70 - 130		
Chlorobenzene	ND	0.050	96.8	97.3	0.530	104	106	1.76	70 - 130	70 - 130		
1,2-Dibromoethane (EDB)	ND	0.050	93.6	96	2.55	101	103	1.44	70 - 130	70 - 130		
1,2-Dichloroethane (1,2-DCA)	ND	0.050	117	127	7.97	129	126	2.40	70 - 130	70 - 130		
1,1-Dichloroethene	ND	0.050	122	119	2.81	129	124	4.11	70 - 130	70 - 130		
Diisopropyl ether (DIPE)	ND	0.050	122	119	2.23	127	128	0.126	70 - 130	70 - 130		
Ethyl tert-butyl ether (ETBE)	ND	0.050	111	111	0	120	121	0.344	70 - 130	70 - 130		
Methyl-t-butyl ether (MTBE)	ND	0.050	118	122	3.54	126	126	0	70 - 130	70 - 130		
Toluene	ND	0.050	91.3	84.4	7.90	96.7	96.7	0	70 - 130	70 - 130		
Trichloroethene	ND	0.050	86.3	87.2	1.04	93.6	94.7	1.20	70 - 130	70 - 130		
%SS1:	101	0.050	104	106	1.91	106	106	0	70 - 130	70 - 130		
%SS2:	104	0.050	100	94	5.44	97	95	1.75	70 - 130	70 - 130		
%SS3:	106	0.050	89	73	20.1	82	77	6.73	70 - 130	70 - 130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

#### BATCH 22768 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607106-001A	7/06/06	7/20/06	7/21/06 2:41 AM	0607106-002A	7/06/06	7/20/06	7/21/06 3:26 AM
0607106-003A	7/07/06	7/20/06	7/21/06 4:14 AM	0607106-004A	7/07/06	7.20,00	7/21/06 5:00 AM
0607106-005A	7/07/06	7/20/06	7/21/06 5:49 AM				7721700 3.00 AW

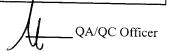
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



<sup>%</sup> Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).



# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0607106

ClientID: PDEO

EDF: NO

Report to:

Paul King
P & D Environmental
55 Santa Clara, Ste.240

TEL: FAX:

PO:

(510) 658-6916 510-834-0152

ProjectNo: #0361; Piedmont Station, LLC

Oakland, CA 94610

Bill to:

Accounts Payable P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610

Date Received:
Date Add-On:

Requested TAT:

07/10/2006 07/20/2006

5 days

Date Printed:

07/20/2006

Sample ID	ClientSampID		<b>-</b>			T			!	Req	uest	ed 1	Гests	(Sec	e lege	nd be	low)					
	Chemoampio	Matrix	Collection Date	Hold	11	2		3	4		5		6		7	8	9		10	1.	1	12
0607106-001	T1-2.5	Soil	7/6/06	T	Δ	<u> </u>																
0607106-002	T2-2.5	Soil	7/6/06	+=+			-			-		+						1				
0607106-003	T3-2.0	Soil	7/7/06		A							+		<u> </u>				-		<u> </u>		
0607106-004	T4-1.25	Soil	7/7/06	181	A		<u> </u>					-		+-						<u> </u>		
0607106-005	T5-1.75	Soil	7/7/06	151	A		-			-				+	-		-			ļ	-+	

### Test Legend:

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Prepared by: Maria Venegas

**Comments:** 

8260 added to all samples on 7/20/06 5d per P.K

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

# P & D ENVIRONMENTAL, INC. 55 Santa Clara Ave, Sulte 240

Oakland, CA 94610 (510) 658-6916

0607106

CHAIN OF CUSTODY RECORD &

	The state of the s		Bill British Call State of the		NAME (NOTE: AN APPROXIMATION OF THE PROPERTY O	TO TOWN THE SECRET OF THE SECR		Ping Pinopunisaha	-				· (V		PA	GE	OF _
PROJECT NUMBER:			ROJECT		1	. P			<u>(</u> 2)	7	<i>`∂</i> 7_	1	8	17	. 7		
0361			rieda	ient St	-ation, L	LC	- h (0	10%	<del>4</del> / ,	,/:	\ \   \  \  \  \  \  \  \  \  \  \  \  \  \	/>	*/	/ /	Z /		
SAMPLED BY: (PRI			URE)		20.0		R OF	17	/ 😴	/ 4	y 4	8	/ /	/ / ;	Z /	מכו	IARKS
Yaul 1	M. Kina	<u> </u>	·	100	2 M.	King	TAIN TAIN	AWAL YSICK	1/	ار ارت	3	٨٩/		PRESFOL	· /	KEL	CARKS
SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LO	ОСАТІОН	NUMBER OF CONTAINERS	1/2			ं % %	3/		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
TI -25	76/06		Soil			×	)	X	X	X	Q	-		TCE	Norma	1 /2	n Areun
TZ - Z.5	21		1)				)	文	ズ	X	Š			i7	11	35	6,
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					REMARKS:			1		**************************************		~			***************************************		

# BOREHOLE SOIL SAMPLES

# QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0609100

EPA Method SW8260B	E	xtraction	SW5030	В	Batch	iD: 23565	i	Spiked Sar	mple ID N/A	
EFA Method GW02000	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME	N/A	0.050	N/A	N/A	N/A	107	104	2.91	N/A	70 - 130
Benzene	N/A	0.050	N/A	N/A	N/A	128	118	8.36	N/Ā	70 - 130
t-Butyl alcohol (TBA)	N/A	0.25	N/A	N/A	N/A	107	104	3.20	N/A	70 - 130
Chlorobenzene	N/A	0.050	N/A	N/A	N/A	113	113	0	N/A	70 - 130
1,2-Dibromoethane (EDB)	N/A	0.050	N/A	N/A	N/A	101	102	0.719	N/A	70 - 130
1,2-Dichloroethane (1,2-DCA)	N/A	0.050	N/A	N/A	N/A	128	119	7.53	N/A	70 - 130
1.1-Dichloroethene	N/A	0.050	N/A	N/A	N/A	117	117	0	N/A	70 - 130
Diisopropyl ether (DIPE)	N/A	0.050	N/A	N/A	N/A	123	120	2.60	N/A	70 - 130
Ethyl tert-butyl ether (ETBE)	N/A	0.050	N/A	N/A	N/A	125	119	5.03	N/A	70 - 130
Methyl-t-butyl ether (MTBE)	N/A	0.050	N/A	N/A	N/A	127	126	0.860	N/A	70 - 130
Toluene	N/A	0.050	N/A	N/A	N/A	109	103	5.84	N/A	70 - 130
Trichloroethene	N/A	0.050	N/A	N/A	N/A	101	98.6	1.99	N/A	70 - 130
%SS1:	N/A	0.050	N/A	N/A	N/A	110	110	0	N/A	70 - 130
%SS2:	N/A	0.050	N/A	N/A	N/A	101	97	3.98	N/A	70 - 130
%SS3:	N/A	0.050	N/A	N/A	N/A	87	80	8.94	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

### BATCH 23565 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609100-001A	9/06/06	9/06/06	9/07/06 3:23 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

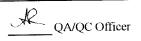
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

	"When Quanty Counts				
		Client Project ID:	#0361; PIEDMONT	Date Sampled:	09/06/06
P & D Environmental	,	STATION		Date Received:	09/06/06
55 Santa Clara, Ste.240		Client Contact: Pa	nul King	Date Extracted:	09/06/06
Oakland, CA 94610		Client P.O.:		Date Analyzed	09/07/06
Caldalla, C					

# Volatile Organics by P&T and GC/MS (Basic Target List)\*

Work Order: 0609100 Analytical Method: SW8260B Extraction Method: SW5030B 0609100-001A Lab ID T8-4.5 Client ID

Client ID				10-4.5			
Matrix				Soil			Reporting
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acetone Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.00
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.00
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.00
1.2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.00
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.00
1.4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.00
1.1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.00
1.1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.00
trans-1.2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.00
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.00
1.1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.00
trans-1.3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.00
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.00
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.00
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND · ·	- 10-	0.00
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.00
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.00
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.00
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.00
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.00
1.1.2.2-Tetrachloroethane	ND	1.0	0.005		ND	1.0	0.00
Toluene	ND	1.0	0.005		ND	1.0	0.00
1,2,4-Trichlorobenzene	ND	1.0	0.005		ND	1.0	0.00
1.1.2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.00
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.00
1.2.4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.00
Vinyl Chloride	ND	1.0		Xylenes	ND	1.0	0.00
Y III YI CIROTIGO				ecoveries (%)			
0/001	1	01		%SS2:	9	7	
%SS1:				,3002.			
%SS3:		96					

#### Comments:

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

WorkOrder: 0609100

Bill to:

ClientID: PDEO

EDF: NO

Report to:

Paul King P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Email: TEL:

(510) 658-6916 FAX:

FAX: 510-834-0152

ProjectNo: #0361; PIEDMONT STATION

PO:

Accounts Payable

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Date Received:

Requested TAT:

09/06/2006

1 day

Date Printed: 09/06/2006

								R	Reque	ested '	Tests (	See leg	end bel	ow)			
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3	4		5	6	7	8	9	10	11	12
0609100-001	T8-4.5	Soil	09/06/2006		Α												

#### Test Legend:

1 8260B_S	2	3	4	5
6	7	8	9	10
11	12			

Prepared by: Nickole White

#### Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

# P & D ENVIRONMENTAL, INC.

53 Santa Clara Ave. Suite 246 Oakland, CA 94616 (\$10) 558-6916

# CHAIN OF QUSTODY RECORD

PROJECT NUMBER:		١		ne od s	Station, LLC	R S S	3.5/5.C		7     1			//	, Z		REWARKS
SAMPLED BY (PRI				<u> N M</u>		NUMBER OF	SIGL TANKS	*/ */		//	[ ]		THESCHUA BUT		REMARKS
SAMPLE NUMBER		TIME	TYPE	:	SAMPLE LOCATION	₹8	1/20		4	4	1	{	3		Secretary R. P. Commercial Commer
7.8 - 9.5	વોઢાંજ		S.o.,*\\		***************************************		X.					35.2			no basiq
CODE CONDITION  MEAD WACEABSE  DECELORINATED I	33			0090000											:
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RELINCALISHED BY	Vicaes		OATE		HECETYED BY: (SIGNATU	RE)	1			34.5.4 8.5.3.	~ 2525°F	A 57 7. 1	3 652	CROTARO	AND AND PROPERTY OF THE PROPER
RELINQUISHED 87:	•		DATE	THAE	RECEIVED FOR LABORAT (SIGNATURE)	ORY BY:			<u>. 1.18</u> 5	A3482	EW	4AL YS	15 R	EQUEST S (A)	SMEE:
	y a v and amendment from the first factors.				REMARKS:						Cargos Control of the		, yeş wezîrî i telîr e		

# BOREHOLE GROUNDWATER SAMPLE RESULTS



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/07/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
Oakland, CA 94610	Client Contact: Paul King	Date Extracted: 07/14/06
oundid, CT > 1010	Client P.O.:	Date Analyzed: 07/14/06

### Lead by ICP-MS\*

Extraction method: E200.8	Analytical methods:	E200.8	Work Order:	0607108
	The state of the s			

Extraction method.			Analytical methods:	L200.8	Work Order:	0607108
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0607108-001D	B1-Water	W	DISS.	ND	1	N/A
	· · · · · · · · · · · · · · · · · · ·					
						!
! !						
					;	
					:	
-						

Reporting Limit for DF =1; ND means not detected at or	W	DISS.	0.5	μg/L	_
above the reporting limit	S	TTLC	NA	mg/kg	

<sup>\*</sup>water samples are reported in  $\mu$ g/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/soild samples in mg/kg, wipe samples in  $\mu$ g/wipe, filter samples in  $\mu$ g/filter.



<sup>#</sup> means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



Aroclor1242

Aroclor1248

Aroclor1254

Aroclor1260

PCBs, total

## McCampbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental			ect ID: #0361; Piedmont	Date Sampled:	07/07/06	
55 Santa Clara, Ste.240		Station, LLC		Date Received:	07/10/06	
Oakland, CA 94610		Client Conta	act: Paul King	Date Extracted:	07/12/06	
94.1.4.1.4		Client P.O.:		Date Analyzed:	07/12/06	
	Pol	ychlorinated Biphe	enyls (PCBs) Aroclors by C	GC-ECD*		
Extraction Method: SW3510C		Analytic	cal Method: SW8082A		Work Ord	ler: 0607108
	Lab ID	0607108-001B				
	Client ID	B1-Water			Reporting	Limit for
	Matrix	w			DF	
	DF	1			S	W
Compound			Concentration		ug/kg	μg/L
Aroclor1016		ND			NA	0.5
Aroclor1221		ND			NA	0.5
Aroclor1232		ND			NA	0.5

Surrogate	Recoveries	(%)
Suriveate	11000101103	1 /01

%SS:	100	- 14 NO.	
Comments			77)

<sup>\*</sup> water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND

ND

ND

ND

ND

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p.p.- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.



NA

NA

NA

NA

NA

0.5

0.5

0.5

0.5

0.5

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or surrogate coelutes with another peak.

## QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607108

EPA Method: SW8015C	Ε	xtraction	: SW3510	С	Batch	nID: 22563	ł	Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
•	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(d)	N/A	1000	N/A	N/A	N/A	105	106	0.705	N/A	70 - 130	
%SS:	N/A	2500	N/A	N/A	N/A	91	91	0	N/A	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

### BATCH 22563 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607108-001A	7/07/06	7/10/06	7/14/06 6:04 AM				

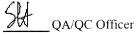
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

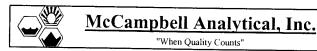
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.





## QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607108

EPA Method: SW8082A	E	xtraction	: SW3510	С	Batc	hID: 22598	3	Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
PCBs, total	N/A	3.75	N/A	N/A	N/A	89.7	91.7	2.14	N/A	80 - 120	
%SS:	N/A	2.5	N/A	N/A	N/A	94	84	11.5	N/A	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22598 SUMMARY

Sample ID Date Sampled Date Extracted Date Analyzed Sample ID Date Sampled Date Extracted Date Analyzed 0607108-001B 7/07/06 7/10/06 7/12/06 9:04 PM

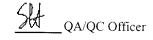
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.\_\_



## QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607108

EPA Method: E200.8	E	xtraction	: E200.8		Batcl	hID: 22666	3	Spiked Sample ID: 0607181-001B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Lead	1.1	10	106	103	2.85	93.6	92.7	0.956	75 - 125	85 - 115	
%SS:	106	750	110	107	2.50	99	99	0	70 - 130	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22666 SUMMARY

Sample ID Date Sampled Date Extracted Date Analyzed Sample ID Date Sampled Date Extracted Date Analyzed 0607108-001D 7/07/06 7/14/06 1

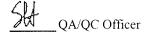
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



# P & D ENVIRONMENTAL, INC. 55 Santa Clara Ave, Suite 240

Oakland, CA 94610 (510) 658-6916



OGOTIOB CHAIN OF CUSTODY RECORD

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PROJECT NUMBER:		Р	ROJECT	NAME:					<u>::/</u>	7	3/	7	777	7	
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P & D Environmental	Client Project ID: #0361; Piedmont Station, LLC	Date Sampled: 07/07/06
55 Santa Clara, Ste.240	Station, EEC	Date Received: 07/10/06
Oakland, CA 94610	Client Contact: Paul King	Date Reported: 07/14/06
,	Client P.O.:	Date Completed: 07/26/06

WorkOrder: 0607108

July 26, 2006

Dear Paul:

Enclosed are:

- 1). the results of 1 analyzed sample from your #0361; Piedmont Station, LLC project,
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 07/07/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 07/10/06
55 Sainta Ciara, Stc.240	Client Contact: Paul King	Date Extracted: 07/21/06
Oakland, CA 94610	Client P.O.:	Date Analyzed: 07/21/06

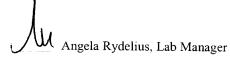
### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW5030B	Analytical Method: SW8260B				Work Order: 0607108							
Lab ID				0607108-001E								
Client ID				B1-Water								
Matrix				Water								
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit					
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0					
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5					
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5					
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5					
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5					
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0					
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5					
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5					
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5					
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0					
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5					
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5					
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5					
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5					
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5					
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5					
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5					
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5					
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND ND	1.0	0.5					
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5					
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5					
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5					
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5					
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5					
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0						
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND ND	1.0	0.5					
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND ND		1- 7					
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND ND	1.0	0.5					
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND ND		0.5					
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	···   · · · · · · · · · · · · · · · · ·	1.0	- 0.5					
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND ND	1.0	0.5					
Toluene	0.65	1.0	0.5	1,2,3-Trichlorobenzene	ND ND	1.0	0.5					
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane		1.0	0.5					
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND ND	1.0	0.5					
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	·   · · · · · · · · · · · · · · · · · ·	1.0	0.5					
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5					
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND ND	1.0	0.5					
	IND			coveries (%)	ND ND	1.0	0.5					
%SS1:	111		-5	%SS2:	103							
%SS3:	93				.i							
Comments:	,,,											

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

## QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607108

EPA Method: SW8260B	E	xtraction	: SW5030	В	Batc	hID: 22774	1	Spiked Sample ID: 0607363-001A				
Analyte	Sample Spiked MS MSD I		MS-MSD	MS-MSD LCS		LCS-LCSD Acceptance Criteria (%)						
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD		
tert-Amyl methyl ether (TAME)	ND	10	105	107	1.58	99.4	96.9	2.57	70 - 130	70 - 130		
Benzene	ND	10	103	102	0.369	108	105	2.89	70 - 130	70 - 130		
t-Butyl alcohol (TBA)	ND	50	88.1	88.7	0.652	103	116	12.1	70 - 130	70 - 130		
Chlorobenzene	ND	10	103	101	2.03	93.9	93.5	0.391	70 - 130	70 - 130		
1,2-Dibromoethane (EDB)	ND	10	96.4	97.6	1.21	92.2	89.7	2.75	70 - 130	70 - 130		
1,2-Dichloroethane (1,2-DCA)	ND	10	108	108	0	125	117	6.83	70 - 130	70 - 130		
1,1-Dichloroethene	ND	10	118	120	1.48	122	121	0.309	70 - 130	70 - 130		
Diisopropyl ether (DIPE)	ND	10	104	105	0.931	116	116	0	70 - 130	70 - 130		
Ethyl tert-butyl ether (ETBE)	ND	10	103	104	0.913	104	105	0.647	70 - 130	70 - 130		
Methyl-t-butyl ether (MTBE)	ND	10	106	107	0.550	117	114	2.43	70 - 130	70 - 130		
Toluene	ND	10	92.1	90.6	1.71	80.9	87.4	7.69	70 - 130	70 - 130		
Trichloroethene	ND	10	87.1	86.4	0.819	86	85.2	1.00	70 - 130	70 - 130		
%SS1:	98	10	105	103	1.76	108	106	1.38	70 - 130	70 - 130		
%SS2:	92	10	95	93	1.72	90	96	6.36	70 - 130	70 - 130		
%SS3:	102	10	93	93	0	73	79	8.39	70 - 130	70 - 130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

<b>BATCH 22774</b>	SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607108-001E	7/07/06	7/21/00	7/21/00 2:50 PM	ļ			

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

QA/QC Officer



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; 408 Linda Ave.	Date Sampled: 06/30/06
55 Santa Clara, Ste.240		Date Received: 06/30/06
Oakland, CA 94610	Client Contact: Eric Olson	Date Reported: 07/11/06
	Client P.O.:	Date Completed: 07/11/06

WorkOrder: 0606716

July 11, 2006

Dear Eric:

Enclosed are:

- 1). the results of 2 analyzed samples from your #0361; 408 Linda Ave. project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0607108

(

ClientID: PDEO

EDF: NO

Report to:

Paul King

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610 TEL: FAX:

(510) 658-6916

FAX: 510-834-0152
ProjectNo: #0361; Piedmont Station, LLC

PO:

Bill to:

Accounts Payable

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Requested TAT:

Date Received:

07/10/2006

5 days

Date Add-On:

07/20/2006

Date Printed: 07/20/2006

							Re	eques	ted 1	Tests	(See I	egen	d bel	ow)							
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3	3 ]	4	5		6	7		8	9	10	)	11	1	12
0607108-001	B1-Water	Water	7/7/06		Ε					I										I	

#### Test Legend:

1 8260B_W	2	3	4	5
6	7	8	9	10
11	12			

Prepared by: Maria Venegas

Comments:

8260 Added on 7/20/06 on 5d

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

### P & D ENVIRONMENTAL, INC.

PROJECT NUMBER:

0361

SAMPLE NUMBER

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916

SAMPLED BY: (PRINTED AND SIGNATURE)

DATE

and H. King

SAMPLE LOCATION

PROJECT NAME:

TYPE

TIME

Piedmont Station, LLC

OCOTIOS CHAIN OF CUSTODY RECORD

NUMBER OF CONTAINERS

PAGE \_ L OF 1 REMARKS ICE Normal From Aronal

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"When Quality Counts'

P & D Environmental	Client Project ID: #0361; 408 Linda	Date Sampled: 06/30/06
55 Santa Clara, Ste.240	Avc.	Date Received: 06/30/06
Oakland, CA 94610	Client Contact: Eric Olson	Date Extracted: 06/30/06
	Client P.O.:	Date Analyzed: 07/06/06-07/07/06

Oil Range (C18+) Extractable Hydrocarbons as Motor Oil\*

Lab ID	Client ID	Matrix	ods: SW8015C	Work Order:	
	CHOIL ID	Manx	TPH(mo)	DF	% SS
0606716-001B	B3-WATER	W	ND	1	105
0606716-002B	B4-WATER	w	ND	1	106
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	Reporting Limit for DF =1; ND means not detected at or above the reporting limit		N S	250 NA		μg/L
1		1		1471	:	NA

<sup>\*</sup> water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~I vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/gnineral spirit.

Ju Ju

Angela Rydelius, Lab Manager

<sup>#</sup> cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mecampbell.com E-mail: main@mecampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; 408 Linda Ave.	Date Sampled: 06/30/06
55 Santa Clara, Ste.240	7170.	Date Received: 06/30/06
Oakland, CA 94610	Client Contact: Eric Olson	Date Extracted: 07/07/06
	Client P.O.:	Date Analyzed: 07/07/06

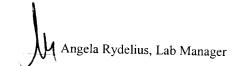
Po Extraction Method: SW3510C		phenyls (PCBs) Aroc alytical Method: SW8082A	lors by GC-ECD*	Work Ore	der: 0606716
Lab ID	0606716-001C	0606716-002C		T WORK OR	201. 0000710
Client ID	B3-WATER	B4-WATER		Panartina	. I imiu c
Matrix	W	W		DF	Limit for
DF	1	1		S	W
Compound		Concentra	tion	ug/kg	μg/L
Aroclor1016	ND	ND		NA	0.5
Aroclor1221	ND	ND		NA	0.5
Aroclor1232	ND	ND		NA	0.5
Aroclor1242	ND	ND		NA	0.5
Aroclor1248	ND	ND	······································	NA	0.5
Aroclor1254	ND	ND		NA	0.5
Aroclor1260	ND	ND		NA	0.5
PCBs, total	ND	ND	· · · · · · · · · · · · · · · · · ·	NA	0.5
	Surro	gate Recoveries (%)		<u>-</u>	
%SS:	106	106			
Comments					

<sup>\*</sup> water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

# surrogate diluted out of range or surrogate coelutes with another peak.

(a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p,p,- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.





"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; 408 Linda Ave.	Date Sampled: 06/30/06
55 Santa Clara, Ste.240	1100.	Date Received: 06/30/06
Oakland, CA 94610	Client Contact: Eric Olson	Date Extracted: 06/30/06
	Client P.O.:	Date Analyzed: 07/06/06

### Lead by ICP-MS\*

Analytical methods: E200.8	
	Wall Oak orosars
	Work Order: 0606716

Lab ID	Client ID	Matrix	Extraction	Lead	Work Order: DF	% SS
0606716-001A	B3-WATER	W	TTLC	350		1
0606716-002A				330	5	114
0000710-002A	B4-WATER	W	TTLC	280	5	112
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i	Reporting Limit for DF $=1$ ;					
	ND means not detected at or	W	TTLC	0.:	5	/I
		1				μg/L
i	above the reporting limit	S	TTLC	N/	Δ +	
1				142	1	mg/kg

<sup>\*</sup>water samples are reported in  $\mu$ g/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in  $\mu$ g/wipe, filter samples in  $\mu$ g/filter.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis;



<sup>#</sup> means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.



"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; 408 Linda Ave.	Date Sampled: 06/30/06	
55 Santa Clara, Ste.240	Avc.	Date Received: 06/30/06	
Oakland, CA 94610	Client Contact: Eric Olson	Date Extracted: 07/12/06	
	Client P.O.:	Date Analyzed: 07/12/06	

### Lead by ICP-MS\*

Extraction method: E200.8	Analytical methods:	E200.8	***
	· ······· y ········ · · · · · · · · ·	1200.0	Work Order: 0606716

extraction method:			Analytical methods:	E200.8	Work Order:	060671
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0606716-001D	B3-WATER	w	DISS.	ND	1	N/A
0606716-002D	B4-WATER	w	DISS.	ND	1	N/A
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	Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W S	DISS. TTLC	0.5 NA	μg/L mg/kg
1				· · · · ·	mg/kg

\*water samples are reported in  $\mu$ g/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in  $\mu$ g/wipe, filter samples in  $\mu$ g/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.



### QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606716

EPA Method: SW8082A	E	xtraction	: SW3510	С	BatchID: 22463 Spiked Sample ID: N/A					
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
PCBs, total	N/A	3.75	N/A	N/A	N/A	91.7	88	4.15	N/A	80 - 120
%SS:	N/A	2.5	N/A	N/A	N/A	97	96	0.542	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

#### BATCH 22463 SUMMARY

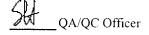
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606716-001C	6/30/06		7/07/06 8:15 AM		6/30/06	6/30/06	7/07/06 9:10 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



### QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606716

EPA Method: SW8015C	E	xtraction	: SW3510	С	Batcl	BatchID: 22507 Spiked Sample ID: N/A					
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	μg/L μg/L % Rec. % Rec.		% Rec.	% RPD	% RPD				MS/MSD LCS/LCSD		
TPH(d)	N/A	1000	N/A	N/A	N/A	96.5	96.4	0.147	N/A	70 - 130	
%SS:	N/A	2500	N/A	N/A	N/A	97	97	0	N/A	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

#### **BATCH 22507 SUMMARY**

 Sample ID
 Date Sampled
 Date Extracted
 Date Analyzed
 Sample ID
 Date Sampled
 Date Extracted
 Date Analyzed

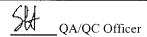
 0606716-001B
 6/30/06
 6/30/06
 7/06/06 11:46 PM
 0606716-002B
 6/30/06
 6/30/06
 7/07/06 12:54 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



### QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606716

EPA Method: E200.8 Extraction: E200.8 BatchID: 22501								Spiked Sample ID: 0606714-001B					
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spinod dample				e Criteria (%)			
	µg/L	μg/L	% Rec.	% Rec. % Rec. % F		% Rec.	% Rec.	% RPD	MS / MSD	• •			
Lead	0.81	10	96.2	94.9	1.25	90.8	99	8.63	75 - 125	85 - 115			
%SS:	119	750	114	115	0.443	97	107	9.43	70 - 130	70 - 130			

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22501 SUMMARY

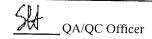
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Data Ameliana
0606716-001A	6/30/06	6/30/06	7/06/06 9:23 PM	0606716-002A			Date Analyzed
** <del>**********************************</del>	111 000 0000000		7700700 9.23 FWI	0000716-002A	6/30/06	0, 50, 00	7/06/06 9:28 PM

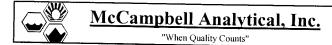
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.





### QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0606716

EPA Method: E200.8	E	xtraction	: E200.8	Batc	hID: 22629		Spiked Sample ID: 0607161-008D				
Analyte	Sample	Spiked	MS MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)		
	µg/L	µg/L	% Rec.   % Rec.	% RPD	% Rec.		% RPD	MS/MSD	LCS / LCSD		
Lead	1.1	10	92.2 91.5	0.681	98.7	97	1.63	75 - 125	85 - 115		
%SS:	95	750	96 96	0	100	99	0.469	70 - 130	70 - 130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22629 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606716-001D	6/30/06	77.127.00	7/12/06 5:36 PM		6/30/06		7/12/06 5:41 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or exceeds 2x spike amount for water matrix or sample exceeds spike amount for water matrix or sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or exceeds and the sample exceeds and the sample exceeds and the sample exceeds and the sample diluted due to high matrix or exceeds and the sample exce

high matrix or analyte content.

\_QA/QC Officer



# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0606716

ClientID: PDEO

EDF: NO

Report to:

Eric Olson

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

TEL: FAX:

(510) 658-6916

510-834-0152

ProjectNo: #0361; 408 Linda Ave.

PO:

Bill to:

Requested TAT:

5 days

Accounts Payable

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Date Received:

06/30/2006

Date Printed:

07/12/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3	 Rec	jueste 5	d Tests	(See le	gend b	 9	10	11	12	2
0606716-001 0606716-002	B3-WATER B4-WATER	Water Water	6/30/06 6/30/06		C C	D D	A	) )	ВВ								

#### Test Legend:

1 8082A_PCB_W	
6	
11	

2	DDMC DIGG
	PBMS_DISS
7	
/ /	
40	
12	

3	PBMS_W
8	

4	PRDISSOLVED	
9		

5	TPH(MO)_W
10	

Prepared by: Kathleen Owen

**Comments:** Pb diss added 7/12/06 5 day

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

# P & D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916 PEO POCOOLONIA

CHAIN OF CUSTODY RECORD

	0361			ROJECT		a Ave.			Syes		1/2/7	7.X			٣ /	
	SAMPLED BY: (PR Eric OC	SEM C	SIGMAT	WHE)				NUMBER OF CONTAINERS	AWAL YSIS/ED		12/2		ISSPE	, ,	2	REMARKS
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	RELINQUISHED BY:	(SIGNATURE	)	DATE	TIME	RECEIVED BY: (	SIGNATURE)		LAB	ORA	TOR'	r Col	NTAC	T: ILARC	DRATORY F	HONE NUMB
	RELIN <b>Q</b> UISHED BY: (	(SIGNATURE)	)	DATE	TIME	RECEIVED FOR L	ABORATORY	BY:	111	100	SAM	<b>PLE</b>	ANAL	YSIS RE	QUEST SH	EEI
						REMARKS: Plea	sk presi	erve c	)/10							

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 08/15/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 08/16/06
Oakland, CA 94610	Client Contact: Paul King	Date Reported: 08/17/06
	Client P.O.:	Date Completed: 08/17/06

WorkOrder: 0608359

August 17, 2006

Dear Paul:

Enclosed are:

- 1). the results of 3 analyzed samples from your #0361; Piedmont Station, LLC project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 08/15/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 08/16/06
Oakland, CA 94610	Client Contact: Paul King	Date Extracted 08/16/06
	Client P.O.:	Date Analyzed 08/16/06

### Oil Range (C18+) Extractable Hydrocarbons as Motor Oil\*

Extraction method: SW35		Analytical method	ls: SW8015C	Work Order: 06	08359
Lab ID	Client ID	Matrix	TPH(mo)	DF	% SS
0608359-001A	T5 Water	w	ND,i	1	103
0608359-002A	T6 Water	w	ND,i	1	105
0608359-003A	T7 Water	W	ND,i	1	103
	***************************************				

Reporting Limit for DF =1; ND means not detected at or	w	250	μg/L
above the reporting limit	S	NA	NA

<sup>\*</sup> water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / SPLP / TCLP extracts are reported in µg/L.

DHS ELAP Certification N° 1644

▲ngela Rydelius, Lab Manager

<sup>#</sup> cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

<sup>+</sup>The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

### QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0608359

EPA Method: SW8015C	E	xtraction	: SW3510	С	Batc	hID: 23200	)	Spiked Sample ID: N/A			
Analyte	Sample	Spiked	Spiked MS MSD		MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(d)	N/A	1000	N/A	N/A	N/A	112	102	9.48	N/A	70 - 130	
%SS:	N/A	2500	N/A	N/A	N/A	111	98	12.2	N/A	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

#### **BATCH 23200 SUMMARY**

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608359-001A	8/15/06	8/16/06	8/16/06 6:37 PM	0608359-002A	8/15/06	8/16/06	8/16/06 7:47 PM
0608359-003A	8/15/06	8/16/06	8/16/06 8:56 PM		5/15/00	0/10/00	8/10/00 /.4/ PIVI

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

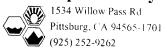
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due 🉌 high matrix or analyte content.

\_QA/QC Officer



# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

WorkOrder: 0608359

ClientID: PDEO

EDF: NO

Report to:

Paul King

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610

Email:

TEL: (510) 658-6916 FAX: 510-834-0152

ProjectNo: #0361; Piedmont Station, LLC

PO:

Bill to:

Accounts Payable

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Requested TAT:

Date Printed:

1 day

Date Received: 08/16/2006

08/16/2006

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Sample ID	ClientSampID	••						Requested Tests (See legend below)										
	ChentSampio	Matrix	atrix Collection Date	te Hold	1	2	3	4		5	6	7	8	9	10	11	12	
0608359-001	T5 Water	Water	08/15/2006		A			-										
0608359-002 0608359-003	T6 Water T7 Water	Water Water	08/15/2006		Α			1									<del></del>	
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### Test Legend:

1 TPH(MO)_W	2	3 <del></del>	4	
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		8	9 :	10
11	12			

Prepared by: Rosa Venegas

#### **Comments:**

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

# P & D ENVIRONMENTAL, INC.

DECHLORINATED IN LAB PRESERVITORS

PRESERVED IN LAB.

VOAS | O&G | METALS | OTHER

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916

# CHAIN OF CUSTODY RECORD

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1										Vol	<b>Y</b> 'S	P:	でらく	<u>_</u>	ed a	۱ ; س	th H	C.R			
1																					

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 09/15/06-09/18/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 09/20/06
Oakland, CA 94610	Client Contact: Ferdinand Oberle	Date Extracted: 09/20/06
	Client P.O.:	Date Analyzed 09/23/06-09/24/06

#### Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil\*

171	esei (C10-25) and Oii (	C18+) Kange Exti	actable Hydrocarbons	s as Diesel and Motor C	hi*	
Extraction method SW3510	OC .	Analytical m	ethods SW8015C		Work Order:	060941
Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0609413-001A	B9-Water	w	ND,i	ND	1	100
0609413-002A	B10-Water	w	ND,i	ND	1	102
0609413-003A	T3-Water	W	1400,g,b,i	2400	1	100

Reporting Limit for DF =1;	W	50	250	μg/L
ND means not detected at or above the reporting limit	S	NA	NA	mg/Kg

<sup>\*</sup> water samples are reported in  $\mu g/L$ , wipe samples in  $\mu g/wipe$ , soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in  $\mu g/L$ .

<sup>#</sup> cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

<sup>+</sup>The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil;

P & D Environmental

Client Project ID: #0361; Piedmont
Station, LLC

Date Sampled: 09/15/06-09/18/06

Date Received: 09/20/06

Client Contact: Ferdinand Oberle

Date Extracted: 09/24/06-09/25/06

Client P.O.: Date Analyzed: 09/24/06-09/25/06 Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\* Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0609413 Lab ID Client ID Matrix TPH(g) DF %SS 001A B9-Water W ND,i 95 002A B10-Water W ND,i 1 102 003A T3-Water W ND,i 1 98 Reporting Limit for DF =1;

	ND means not detected at or	W	50	µg/L
above the reporting limit		S	NA	NA
	* water and vapor samples and all TCLD & CDLD auto-	ta ana nana		

<sup>\*</sup> water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

<sup>#</sup> cluttered chromatogram; sample peak coelutes with surrogate peak.

<sup>+</sup>The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

"When Quality Counts"

P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 09/15/06
55 Santa Clara, Ste 240	Station, LLC	Date Received: 09/20/06
10 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Client Contact: Ferdinand Oberle	Date Extracted: 09/21/06
Oakland, CA 94610	Client P.O.:	Date Analyzed 09/21/06

#### Volatile Organics by P&T and GC/MS (Basic Target List)\*

 Extraction Method:
 SW5030B
 Analytical Method:
 SW8260B
 Work Order.
 0609413

 Lab ID
 0609413-001B

 Client ID
 B9-Water

 Matrix
 Water

<u> </u>				Water			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	. ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0,5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND I	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinvl Chloride	ND	1.0	0.5	Xvlenes	ND	1.0	0.5
		Surro	gate Re	coveries (%)			***
%SS1:	105			%SS2:	93		
% SS3 ·	101				73		

Comments: i

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm



<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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		11 L3L 7L0L 1 UA. 7L3-L3L-7L07
P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 09/18/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 09/20/06
	Client Contact: Ferdinand Oberle	Date Extracted: 09/21/06
Oakland, CA 94610	Client P.O.:	Date Analyzed 09/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method. SW 3030B	Analytical Method: SW8260B	Work Order: 0609413
Lab ID	0609413-002B	
Client ID	B10-Water	
Matrix	Water	

Matrix Water							
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1,0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND ND	1.0	
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND ND		0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND ND		
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND ND		
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene		1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND ND	1.0	0.5
Vinyl Chloride	ND	1.0		Xvlenes	ND ND	1.0	0.5
				coveries (%)	ND I.	1.0	0.5
%SS1.	404	Juii	Sare Wei	corcites ( 70)			

 %SS1:
 104
 %SS2:

 %SS3:
 99

Comments: 1

93

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm

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	1 eleptione.	877-252-9262 Fax: 925-252-9269
P & D Environmental	Client Project ID: #0361; Piedmont	Date Sampled: 09/18/06
55 Santa Clara, Ste.240	Station, LLC	Date Received: 09/20/06
Coldand CA 04C10	Client Contact: Ferdinand Oberle	Date Extracted: 09/21/06
Oakland, CA 94610	Client P.O.:	Date Analyzed 09/21/06

### Volatile Organics by P&T and GC/MS (Basic Target List)\*

Extraction Method: SW 5030B	Analytical Method: SW8260B	Work Order: 0609413
Lab ID	0609413-003B	
Client ID	T3-Water	
Matrix	Water	

Matrix				To-water			
	<del>                                      </del>	<del>-</del>	Reporting	Water			
Compound	Concentration *	DF	Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND ND		0.5
Chloroform	ND	1.0	0.5	Chloromethane	ND ND	1.0	1.0
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene		1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND .	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Hexachloroethane	ND	1.0		Hexachlorobutadiene	ND	1.0	0.5
Isopropylbenzene	ND ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND ND	1.0		4-Isopropyl toluene	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
Nitrobenzene	ND ND		0.5	Naphthalene	ND	1.0	0.5
Styrene	ND ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
1,1,2,2-Tetrachloroethane		1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
Toluene	ND ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,1,2-Trichloroethane	ND ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
Trichlorofluoromethane	ND ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
Vinyl Chloride	ND ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
THE CHIOTINE	Xvlenes	ND	1.0	0.5			
0/051		Surro	gate Rec	overies (%)			
%SS1:	106			%SS2:	93		

%SS3:

99

<sup>\*</sup> water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm



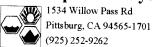
	···ion Quartey	COULTE				r elephone.	8/7-252-9262 Fax: 92	23-232-9269	
P & D Environmental			Client Pr Station, 1	roject ID: #	0361	, Piedmont	Date Sampled:	09/18/06	
55 Santa Clara, Ste.240			siauon, l	LLC			Date Received:	09/20/06	
Oakland, CA 94610			Client C	ontact: Fer	rdinar	d Oberle	Date Extracted:	09/22/06	
			Client P.	O.:			Date Analyzed:	09/22/06	
	Pe	olychlor	inated Bi	phenyls (PC	CBs) A	Aroclors by GC-	ECD*		
Extraction Method: SW3510C			Ana	ytical Method:	SW808	2A		Work Order:	0609413
	Lab ID	06094	13-003C						
	Client ID	Т3-	Water		**********	***************************************		Reporting	Limit for
	Matrix	***************************************	W		***************************************	***************************************			7 = 1
	DF		1		***********			S	w
Compound		***************************************		(	Conc	entration	-1	ug/kg	μg/L
Aroclor1016		1	۷D		**********			NA	0.5
Aroclor1221		N	ND					NA	0.5
Aroclor1232		N	ND					NA	0.5
Aroclor1242		N	1D					NA	0.5
Aroclor1248		N	1D					NA	0.5
Aroclor1254		N	ID					NA	0.5
Aroclor1260		N	ID					NA	0.5
PCBs, total		N	ID					NA	0.5
	Surrogate Recoveries (%)								
%SS:		1	15						
Comments			i						
*	***************************************	***************************************				***************************************			

<sup>\*</sup> water samples in μg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, filter samples in μg/filter, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

<sup>#</sup> surrogate diluted out of range or surrogate coelutes with another peak.

<sup>(</sup>a) PCB aroclor 1016; (b) PCB aroclor 1221; (c) PCB aroclor 1232; (d) PCB aroclor 1242; (e) PCB aroclor 1248; (f) PCB aroclor 1254; (g) PCB aroclor 1260; (h) a lighter than water immiscible sheen/product is present; (i) liquid sample that contains >~1 vol. % sediment; (j) sample diluted due to high organic content; (k) p.p.- is the same as 4,4,-; (l) florisil (EPA 3620) cleanup; (m) silica-gel (EPA 3630) cleanup; (n) elemental sulfur (EPA 3660) cleanup; (o) sulfuric acid permanganate (EPA 3665) cleanup; (r) results are reported on a dry weight basis; (p) see attached narrative.



# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

5 days

09/20/2006

WorkOrder: 0609413

ClientID: PDEO

EDF: NO

Report to:

Ferdinand Oberle P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Email: TEL: (510) 658-6916

FAX: 510-834-0152 ProjectNo: #0361; Piedmont Station, LLC

PO:

Bill to:

Accounts Payable P & D Environmental

55 Santa Clara, Ste.240 Oakland, CA 94610

Date Received:

Requested TAT:

Date Printed 09/20/2006

Sample ID	ClientSamalD				Requested Tests (See legend below)											
oumple ib	ClientSampID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0609413-001	B9-Water	Water	09/15/2006				т .	1	ı ———	-r						
0609413-002	B10-Water	Water	09/18/2006	<del>       </del>		B	A A					-				

#### Test Legend:

1 8082A_PCB_W	2 8260B_W	3 G-MBTEX W	4	
6	7	8	9	10
11	12			IU

The following SampIDs: 0609413-001A, 0609413-002A, 0609413-003A contain testgroup. Please make sure all relevant testcodes are reported. Many thanks.

Prepared by: Nickole White

#### Comments:

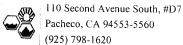
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

### Y & U ENVIRONMENTAL, INC.

53 Santa Clara Ave, Suite 249 Oakland, CA 94610 (310) 658-6916

# CHAIN OF CUSTODY RECORD

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# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 1

5 days

WorkOrder: 0607108

ClientID: PDEO

EDF: NO

Report to:

Paul King
P & D Environmental
55 Santa Clara, Ste.240

TEL: (510) 658-6916 FAX: 510-834-0152

PO:

FAX: 510-834-0152
ProjectNo: #0361; Piedmont Station, LLC

Oakland, CA 94610

Bill to:

Accounts Payable

P & D Environmental 55 Santa Clara, Ste.240

Oakland, CA 94610

Requested TAT:

Date Received: 07/10/2006

Date Printed: 07/10/2006

Sample ID	ClientSampID	Matrix	Collection Date H	łold	1	2	3	F 4	Reques	ted T	ests 6	(See I	egen	d belo	w) 9	10	11	1.	2
0607108-001	B1-Water	Water	7/7/06		В	С	A	I		I		<u> </u>		<u></u>				<u> </u>	

Test Legend:

1 8082A_PCB_W	2 PBMS_W	3 TPH(MO)_W	4	5
6	7	8	9	10
11	12		-	

Prepared by: Maria Venegas

### Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

## QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607108

EPA Method: E200.8	E	Extraction	: E200.8		Batc	hID: 2266		2 ::				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS			mple ID: 0607181-001B			
, ,	μg/L	µg/L	% Rec.	% Rec.				LCS-LCSD	Acceptance Criteria (%)			
Lead				% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS/MSD LCS/LCSD			
%SS:	1.1	10	106	103	2.85	93.6	92.7	0.956	75 - 125 85 - 115			
7000.	106	750	110	107	2.50	99	99	0	70 - 130 70 - 130			

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22666 SUMMARY

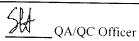
Sample ID Date Sampled Date Extracted Date Analyzed Sample ID Date Sampled Date Extracted Date Analyzed 0607108-001D 7/07/06 7/14/06 4:49 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCS = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



### SOIL GAS SAMPLE RESULTS



### Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- · Chain of Custody (copy).

#### WORK ORDER #: 0608604

Work Order Summary

CLIENT: Mr. Paul King BILL TO: Mr. Paul King

P & D Environmental
55 Santa Clara
P & D Environmental
55 Santa Clara

55 Santa Clara 55 Santa Clara Suite 240 Suite 240

Oakland, CA 94610 Oakland, CA 94610

DECEIDT

08/29/06

**PHONE:** 510-658-6916 **P.O.** # **FAX:** 510-834-0772 **PROJECT** #

DATE RECEIVED: 08/23/2006 CONTACT: Kyle Vagadori

**DATE COMPLETED:** 08/29/2006

			KECEIF I
FRACTION #	NAME	<u>TEST</u>	VAC./PRES.
01A	SG1	Modified TO-15	0.2 psi
02A	SG2	Modified TO-15	2.0 "Hg
03A(cancelled)	Purge	Modified TO-15	14.5 "Hg
04A	Lab Blank	Modified TO-15	NA
05A	CCV	Modified TO-15	NA
06A	LCS	Modified TO-15	NA

CERTIFIED BY:

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004 NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act, Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

# LABORATORY NARRATIVE Modified TO-15 P & D Environmental Workorder# 0608604

Three 6 Liter Summa Canister samples were received on August 23, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
Daily CCV	+- 30% Difference	= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers</td
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

#### **Receiving Notes**

The Chain of Custody was not relinquished properly. The discrepancy was noted in the Sample Receipt Confirmation email/fax.

Sample Purge was cancelled per client's request. (per KV 8/29/06 ANC)

#### **Analytical Notes**

The reported LCS for each daily batch has been derived from more than one analytical file.

#### **Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

- B Compound present in laboratory blank greater than reporting limit (background subtraction no performed).
  - J Estimated value.
  - E Exceeds instrument calibration range.
  - S Saturated peak.
  - Q Exceeds quality control limits.
  - U Compound analyzed for but not detected above the reporting limit.
  - UJ- Non-detected compound associated with low bias in the CCV
  - N The identification is based on presumptive evidence.

# AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



# **Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

**Client Sample ID: SG1** 

Lab ID#: 0608604-01A

	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(uG/m3)	(uG/m3)
Chloroform	8.8	76	43	370
Acetone	35	36	84	87
2-Propanol	35	>19000 S	86	>47000 S

Client Sample ID: SG2

Lab ID#: 0608604-02A

	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(uG/m3)	(uG/m3)
Acetone	7.7	12	18	28
2-Propanol	7.7	>3100 S	19	>7600 S



### **Client Sample ID: SG1** Lab ID#: 0608604-01A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	f082611 17.6		Date of Collection: Date of Analysis: 8	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	8.8	Not Detected	44	Not Detected
Freon 114	8.8	Not Detected	62	Not Detected
Vinyl Chloride	8.8	Not Detected	22	Not Detected
Bromomethane	8.8	Not Detected	34	Not Detected
Chloroethane	8.8	Not Detected	23	Not Detected
Freon 11	8.8	Not Detected	49	Not Detected
1,1-Dichloroethene	8.8	Not Detected	35	Not Detected
Freon 113	8.8	Not Detected	67	Not Detected
Methylene Chloride	8.8	Not Detected	30	Not Detected
1,1-Dichloroethane	8.8	Not Detected	36	Not Detected
cis-1,2-Dichloroethene	8.8	Not Detected	35	Not Detected
Chloroform	8.8	76	43	370
1,1,1-Trichloroethane	8.8	Not Detected	48	Not Detected
Carbon Tetrachloride	8.8	Not Detected	55	Not Detected
Benzene	8.8	Not Detected	28	Not Detected
1,2-Dichloroethane	8.8	Not Detected	36	Not Detected
Trichloroethene	8.8	Not Detected	47	Not Detected
1,2-Dichloropropane	8.8	Not Detected	41	Not Detected
cis-1,3-Dichloropropene	8.8	Not Detected	40	Not Detected
Toluene	8.8	Not Detected	33	Not Detected
trans-1,3-Dichloropropene	8.8	Not Detected	40	Not Detected
1,1,2-Trichloroethane	8.8	Not Detected	48	Not Detected
Tetrachloroethene	8.8	Not Detected	60	Not Detected
1,2-Dibromoethane (EDB)	8.8	Not Detected	68	Not Detected
Chlorobenzene	8.8	Not Detected	40	Not Detected
Ethyl Benzene	8.8	Not Detected	38	Not Detected
m,p-Xylene	8.8	Not Detected	38	Not Detected
o-Xylene	8.8	Not Detected	38	Not Detected
Styrene	8.8	Not Detected	37	Not Detected
1.1.2.2-Tetrachloroethane	8.8	Not Detected	60	Not Detected
1,3,5-Trimethylbenzene	8.8	Not Detected	43	Not Detected
1,2,4-Trimethylbenzene	8.8	Not Detected	43	Not Detected
1,3-Dichlorobenzene	8.8	Not Detected	53	Not Detected
1,4-Dichlorobenzene	8.8	Not Detected	53	Not Detected
alpha-Chlorotoluene	8.8	Not Detected	46	Not Detected
1,2-Dichlorobenzene	8.8	Not Detected	53	Not Detected
1,3-Butadiene	8.8	Not Detected	19	Not Detected
Hexane	8.8	Not Detected	31	Not Detected
Cyclohexane	8.8	Not Detected	30	Not Detected
Heptane	8.8	Not Detected	36	Not Detected

Client Sample ID: SG1 Lab ID#: 0608604-01A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f082611	Date of Collection: 8/18/06
Dil. Factor:	17.6	Date of Analysis: 8/26/06 05:24 PM

	•			
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(uG/m3)	(uG/m3)
Bromodichloromethane	8.8	Not Detected	59	Not Detected
Dibromochloromethane	8.8	Not Detected	75	Not Detected
Cumene	8.8	Not Detected	43	Not Detected
Propylbenzene	8.8	Not Detected	43	Not Detected
Chloromethane	35	Not Detected	73	Not Detected
1,2,4-Trichlorobenzene	35	Not Detected	260	Not Detected
Hexachlorobutadiene	35	Not Detected	380	Not Detected
Acetone	35	36	84	87
Carbon Disulfide	8.8	Not Detected	27	Not Detected
2-Propanol	35	>19000 S	86	>47000 S
trans-1,2-Dichloroethene	8.8	Not Detected	35	Not Detected
2-Butanone (Methyl Ethyl Ketone)	8.8	Not Detected	26	Not Detected
Tetrahydrofuran	8.8	Not Detected	26	Not Detected
1,4-Dioxane	35	Not Detected	130	Not Detected
4-Methyl-2-pentanone	8.8	Not Detected	36	Not Detected
2-Hexanone	35	Not Detected	140	Not Detected
Bromoform	8.8	Not Detected	91	Not Detected
4-Ethyltoluene	8.8	Not Detected	43	Not Detected
Ethanol	35	Not Detected	66	Not Detected
Methyl tert-butyl ether	8.8	Not Detected	32	Not Detected
3-Chloropropene	35	Not Detected	110	Not Detected
2,2,4-Trimethylpentane	8.8	Not Detected	41	Not Detected
Naphthalene	35	Not Detected	180	Not Detected

S = Saturated peak; data reported as estimated.

Container Type: 6 Liter Summa Canister

		Method Limits	
Surrogates	%Recovery		
Toluene-d8	95	70-130	
1,2-Dichloroethane-d4	124	70-130	
4-Bromofluorobenzene	109	70-130	



Client Sample ID: SG2 Lab ID#: 0608604-02A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	f082612 3.84		Date of Collection: Date of Analysis: 8	
Compound	Rɒt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.9	Not Detected	9.5	Not Detected
Freon 114	1.9	Not Detected	13	Not Detected
Vinyl Chloride	1.9	Not Detected	4.9	Not Detected
Bromomethane	1.9	Not Detected	7.4	Not Detected
Chloroethane	1.9	Not Detected	5.1	Not Detected
Freon 11	1.9	Not Detected	11	Not Detected
1,1-Dichloroethene	1.9	Not Detected	7.6	Not Detected
Freon 113	1.9	Not Detected	15	Not Detected
Methylene Chloride	1.9	Not Detected	6.7	Not Detected
1,1-Dichloroethane	1.9	Not Detected	7.8	Not Detected
cis-1,2-Dichloroethene	1.9	Not Detected	7.6	Not Detected
Chloroform	1.9	Not Detected	9.4	Not Detected
1,1,1-Trichloroethane	1.9	Not Detected	10	Not Detected
Carbon Tetrachloride	1.9	Not Detected	12	Not Detected
Benzene	1.9	Not Detected	6.1	Not Detected
1,2-Dichloroethane	1.9	Not Detected	7.8	Not Detected
Trichloroethene	1.9	Not Detected	10	Not Detected
1,2-Dichloropropane	1.9	Not Detected	8.9	Not Detected
cis-1,3-Dichloropropene	1.9	Not Detected	8.7	Not Detected
Toluene	1.9	Not Detected	7.2	Not Detected
trans-1,3-Dichloropropene	1.9	Not Detected	8.7	Not Detected
1,1,2-Trichloroethane	1.9	Not Detected	10	Not Detected
Tetrachloroethene	1.9	Not Detected	13	Not Detected
1,2-Dibromoethane (EDB)	1.9	Not Detected	15	Not Detected
Chlorobenzene	1.9	Not Detected	8.8	Not Detected
Ethyl Benzene	1.9	Not Detected	8.3	Not Detected
m,p-Xylene	1.9	Not Detected	8.3	Not Detected
o-Xylene	1.9	Not Detected	8.3	Not Detected
Styrene	1.9	Not Detected	8.2	Not Detected
1.1.2.2-Tetrachloroethane	1.9	Not Detected	13	Not Detected
1,3,5-Trimethylbenzene	1.9	Not Detected	9.4	Not Detected
1,2,4-Trimethylbenzene	1.9	Not Detected	9.4	Not Detected
1,3-Dichlorobenzene	1.9	Not Detected	12	Not Detected
1,4-Dichlorobenzene	1.9	Not Detected	12	Not Detected
alpha-Chlorotoluene	1.9	Not Detected	9.9	Not Detected
1,2-Dichlorobenzene	1.9	Not Detected	12	Not Detected
1,3-Butadiene	1.9	Not Detected	4.2	Not Detected
Hexane	1.9	Not Detected	6.8	Not Detected
Cyclohexane	1.9	Not Detected	6.6	Not Detected
Heptane	1.9	Not Detected	7.9	Not Detected

Client Sample ID: SG2 Lab ID#: 0608604-02A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: Dil. Factor:	f082612 3.84		Date of Collection: Date of Analysis: 8	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Bromodichloromethane	1.9	Not Detected	13	Not Detected
Dibromochloromethane	1.9	Not Detected	16	Not Detected
Cumene	1.9	Not Detected	9.4	Not Detected
Propylbenzene	1.9	Not Detected	9.4	Not Detected
Chloromethane	7.7	Not Detected	16	Not Detected
1,2,4-Trichlorobenzene	7.7	Not Detected	57	Not Detected
Hexachlorobutadiene	7.7	Not Detected	82	Not Detected
Acetone	7.7	12	18	28
Carbon Disulfide	1.9	Not Detected	6.0	Not Detected
2-Propanol	7.7	>3100 S	19	>7600 S
trans-1,2-Dichloroethene	1.9	Not Detected	7.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.9	Not Detected	5.7	Not Detected
Tetrahydrofuran	1.9	Not Detected	5.7	Not Detected
1,4-Dioxane	7.7	Not Detected	28	Not Detected
4-Methyl-2-pentanone	1.9	Not Detected	7.9	Not Detected
2-Hexanone	7.7	Not Detected	31	Not Detected
Bromoform	1.9	Not Detected	20	Not Detected
4-Ethyltoluene	1.9	Not Detected	9.4	Not Detected
Ethanol	7.7	Not Detected	14	Not Detected
Methyl tert-butyl ether	1.9	Not Detected	6.9	Not Detected
3-Chloropropene	7.7	Not Detected	24	Not Detected

S = Saturated peak; data reported as estimated.

Container Type: 6 Liter Summa Canister

2,2,4-Trimethylpentane

Naphthalene

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	90	70-130	
1,2-Dichloroethane-d4	125	70-130	
4-Bromofluorobenzene	109	70-130	

Not Detected

Not Detected

9.0

40

Not Detected

Not Detected

1.9

7.7



### Client Sample ID: Lab Blank Lab ID#: 0608604-04A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f082605		Date of Collection: I	NA
Dil. Factor:	1.00		Date of Analysis: 8	3/26/06 12:09 PM
	Rpt. Limit	Amount	Rpt. Limit	Amount
Compound	(ppbv)	(ppbv)	(uG/m3)	(uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected

### Client Sample ID: Lab Blank Lab ID#: 0608604-04A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	f082605		Date of Collection: N	<del></del>
Dil. Factor:	1.00	-	Date of Analysis: 8/	
Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected
Container Type: NA - Not Applicable				
_				Method
Surrogates		%Recovery		Limits
Toluene-d8		92		70-130
1,2-Dichloroethane-d4		107		70-130
4-Bromofluorobenzene		101		70-130



### Client Sample ID: CCV Lab ID#: 0608604-05A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: f082602 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 8/26/06 09:45 AM

Compound	%Recovery
Freon 12	97
Freon 114	106
Vinyl Chloride	99
Bromomethane	87
Chloroethane	98
Freon 11	109
1,1-Dichloroethene	104
Freon 113	103
Methylene Chloride	96
1,1-Dichloroethane	97
cis-1,2-Dichloroethene	103
Chloroform	100
1,1,1-Trichloroethane	117
Carbon Tetrachloride	121
Benzene	93
1,2-Dichloroethane	104
Trichloroethene	101
1,2-Dichloropropane	98
cis-1,3-Dichloropropene	100
Toluene	95
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	97
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	99
Chlorobenzene	94
Ethyl Benzene	101
m,p-Xylene	97
o-Xylene	101
Styrene	101
1,1,2,2-Tetrachloroethane	91
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	95
1,4-Dichlorobenzene	92
alpha-Chlorotoluene	93
1,2-Dichlorobenzene	95
1,3-Butadiene	105
Hexane	102
Cyclohexane	109
Heptane	103

### Client Sample ID: CCV Lab ID#: 0608604-05A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: f082602 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 8/26/06 09:45 AM

Compound	%Recovery
Bromodichloromethane	105
Dibromochloromethane	107
Cumene	97
Propylbenzene	98
Chloromethane	106
1,2,4-Trichlorobenzene	101
Hexachlorobutadiene	103
Acetone	98
Carbon Disulfide	92
2-Propanol	106
trans-1,2-Dichloroethene	88
2-Butanone (Methyl Ethyl Ketone)	100
Tetrahydrofuran	106
1,4-Dioxane	96
4-Methyl-2-pentanone	108
2-Hexanone	101
Bromoform	107
4-Ethyltoluene	101
Ethanol	104
Methyl tert-butyl ether	106
3-Chloropropene	92
2,2,4-Trimethylpentane	112
Naphthalene	109

### Container Type: NA - Not Applicable

		Method	
Surrogates	%Recovery	Limits	
Toluene-d8	95	70-130	
1,2-Dichloroethane-d4	106	70-130	
4-Bromofluorobenzene	108	70-130	



### Client Sample ID: LCS Lab ID#: 0608604-06A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: f082603 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 8/26/06 10:27 AM

Compound	%Recovery
Freon 12	86
Freon 114	96
Vinyl Chloride	92
Bromomethane	86
Chloroethane	93
Freon 11	100
1,1-Dichloroethene	95
Freon 113	98
Methylene Chloride	90
1,1-Dichloroethane	92
cis-1,2-Dichloroethene	95
Chloroform	93
1,1,1-Trichloroethane	107
Carbon Tetrachloride	110
Benzene	90
1,2-Dichloroethane	92
Trichloroethene	96
1,2-Dichloropropane	95
cis-1,3-Dichloropropene	70
Toluene	92
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	94
Tetrachloroethene	101
1,2-Dibromoethane (EDB)	96
Chlorobenzene	94
Ethyl Benzene	103
m,p-Xylene	90
o-Xylene	84
Styrene	103
1,1,2,2-Tetrachloroethane	90
1,3,5-Trimethylbenzene	80
1,2,4-Trimethylbenzene	62 Q
1,3-Dichlorobenzene	90
1,4-Dichlorobenzene	87
alpha-Chlorotoluene	82
1,2-Dichlorobenzene	88
1,3-Butadiene	112
Hexane	112
Cyclohexane	120
Heptane	113

### Client Sample ID: LCS Lab ID#: 0608604-06A

### MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name: f082603 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 8/26/06 10:27 AM

Compound	%Recovery
Bromodichloromethane	105
Dibromochloromethane	115
Cumene	83
Propylbenzene	85
Chloromethane	97
1,2,4-Trichlorobenzene	84
Hexachlorobutadiene	84
Acetone	103
Carbon Disulfide	108
2-Propanol	105
trans-1,2-Dichloroethene	99
2-Butanone (Methyl Ethyl Ketone)	112
Tetrahydrofuran	108
1,4-Dioxane	106
4-Methyl-2-pentanone	116
2-Hexanone	111
Bromoform	117
4-Ethyltoluene	89
Ethanol	106
Methyl tert-butyl ether	111
3-Chloropropene	90
2,2,4-Trimethylpentane	100
Naphthalene	103

### Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable** 

		Method		
Surrogates	%Recovery	Limits		
Toluene-d8	98	70-130		
1,2-Dichloroethane-d4	100	70-130		
4-Bromofluorobenzene	108	70-130		

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(-)	AN EXMINORMENTAL ANALYTICAL LABORATORY	

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