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RGA ENVIRONMENTAL

Mr. Donald Rogers
Brandywine Realty Trust
2101 Webster Street, Suite 1600
Oakland, CA 94612

SUBJECT: SUBSURFACE INVESTIGATION (B3-B22 AND C1-C3) AND WELL INSTALLATION REPORT (MW1 AND MW2)
Brandywine Realty Trust
2100-2150 Franklin Street
Oakland, CA

Dear Mr. Rogers:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the results of the on- and offsite subsurface investigation of the horizontal and vertical extent of petroleum hydrocarbons in both soil and groundwater associated with the former heating oil underground storage tank (UST) for the subject site. This report also documents the installation of two groundwater monitoring wells designated as MW1 and MW2 at the subject site and excavation of petroleum-impacted soil in the vicinity of the former UST. The onsite subsurface investigation scope of work included the hand augering of onsite boreholes B3 through B12 and C1 through C3, and the collection and analysis of soil and groundwater grab samples. The offsite subsurface investigation scope of work included the drilling of offsite boreholes B13 through B22 and the collection and analysis of groundwater samples. The well installation scope of work included the installation and development of onsite wells MW1 and MW2.

A Site Location Map is attached as Figure 1, a Site Location Map Detail is attached as Figure 2, and a Site Vicinity Map and Site Plan Detail showing the locations of the former UST, the area of over-excavation, and the onsite boreholes and wells are attached as Figures 3 and 4. Site Vicinity maps showing contaminant concentrations in groundwater are attached as Figures 5, 6, 7, and 9, and a geologic cross section showing soil lithology and shallow and deep groundwater contaminant concentrations is attached as Figure 8.

Hand augering and soil boring was performed between June 5, 2006 and March 20, 2007. Excavation of petroleum-impacted soil was performed on August 11, 2006. Groundwater monitoring well installation was performed on August 15, 2006. Both onsite and offsite subsurface investigation was performed in accordance with RGA's Subsurface Investigation Work Plan (B3 Through B17) dated June 1, 2006 (document 0387.W1) addressed to the City of Oakland Fire Department. Based on contaminant concentrations detected in offsite drilling locations B13, B16 and B17 and telephone conversations with Inspector Jesse Kupers of the City of Oakland Fire Department, offsite drilling locations B14 and B15 were moved from the originally proposed

locations identified in the work plan and drilling location B18 was added to the scope of work. Excavation of petroleum-impacted soil from the immediate vicinity of the former UST and hand augering boreholes C1 through C3 was performed in accordance with RGA's Soil Excavation Work Plan dated August 8, 2006 (document 0387.W2) addressed to the City of Oakland Fire Department. Well installation was performed in accordance with RGA's Well Installation Work Plan dated August 14, 2006 (document 0387.W3) addressed to the City of Oakland Fire Department. Additional offsite boreholes B19 through B22 were drilled to delineate the extent of groundwater contamination downgradient of the site following discussions with Inspector Kupers.

All work was performed under the direct supervision of an appropriately registered professional. This investigation was performed in accordance with guidelines set forth in the document "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites" dated August 10, 1990 and "Appendix A - Workplan for Initial Subsurface Investigation" dated August 20, 1991.

BACKGROUND

In the first half of 2006, the subject site was excavated to a depth of approximately 12 feet below the Franklin Street sidewalk for construction of a high-rise office building. During excavation at the site, the top of an UST was discovered on May 12, 2006 at a depth of approximately 8 feet below the Franklin Street sidewalk (see Figure 3). Inspection of the UST showed that the UST had been previously filled with concrete. The UST was measured as approximately four feet four inches in diameter and approximately 12 feet in length. The UST was removed from the UST pit and demolished and stored on site on May 23, 2006. All UST removal and demolition activities were performed following notification to, permitting with, and inspection of the UST by the City of Oakland Fire Department.

At the time of UST removal, soil samples (designated as T1-0.0 and T2-0.0) were collected from directly beneath the UST following excavation of approximately a one foot thick layer of loose, oily soil. The depth of collection for these two samples was equivalent to a depth of approximately 13 feet below the adjacent Franklin Street sidewalk. Two additional soil samples (designated as T1-2.0 and T2-2.0), were collected at a depth of two feet below the first two samples, which was equivalent to a depth of approximately 15 feet below the adjacent Franklin Street sidewalk. In addition, one groundwater grab sample was collected from borehole B1 at a depth of five feet beneath the bottom of the UST (approximately 17 feet below the adjacent Franklin Street sidewalk). A petroleum sheen was observed on the water collected from the borehole. Borehole B1 was hand augered directly beneath the UST. Mr. Jesse Kupers of the Oakland Fire Department was onsite to observe sample collection. The soil sample and borehole locations are shown on Figure 4.

The soil sample results showed that MTBE and benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in any of the samples. However, Total Petroleum Hydrocarbons as Diesel (TPH-D) was detected in the shallower T1 and T2 soils samples at concentrations of 7,300 and 170 mg/kg respectively, and in the deeper T1 and T2 soil samples at 990 and 780 mg/Kg respectively. Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) was detected in the shallower T1 and T2 samples at concentrations of 5,700 and 150 mg/Kg respectively, and in the deeper T1 and T2 soil samples at 880 and 690 mg/kg respectively (see Table 1). The T1 and T2

soil samples were not analyzed for Total Petroleum Hydrocarbons as Bunker Oil (TPH-BO). The laboratory identified the TPH-D results as fuel oil-range compounds. The groundwater grab sample from borehole B1 (designated as B1-Water) showed that MTBE and BTEX were not detected, and TPH-D, TPH-MO, and TPH-BO were detected at concentrations of 64,000, 57,000, and 96,000 ug/L, respectively (see Table 3).

Borehole B2 was hand augered near the UST pit to first encountered groundwater which was encountered at a depth similar to the depth at which groundwater was encountered in borehole B1 (see Figure 4). Although discolored soil and petroleum hydrocarbon odors were encountered at a depth equivalent to approximately three feet below the bottom of the UST, the discoloration was interpreted to be related to horizontal movement of petroleum hydrocarbons in groundwater and associated capillary fringe wicking of petroleum hydrocarbons. No petroleum sheen was observed on the water in borehole B2. The subsurface materials encountered in boreholes B1 and B2 consisted of interlayered silty clay, fine-grained sand, silt, and clay. Documentation of the UST demolition and associated sample results are presented in RGA's May 25, 2006 Underground Storage Tank Removal Report (document 0387.R1). The UST and concrete that was inside the UST were removed from the site on May 31, 2006. Documentation of the UST and concrete disposal and associated petroleum-impacted soil disposal was provided in RGA's June 19, 2006 Underground Storage Tank Removal Report Addendum (document 0387.L3) addressed to Inspector Kupers.

At the time of UST removal, the entire site had been excavated to a depth of approximately 10 feet below the Franklin Street sidewalk. After the UST was demolished, soil at the site was removed to a depth of approximately 12 feet below the Franklin Street sidewalk. This depth was approximately the same depth as the depth of the bottom of the UST.

As part of the site construction, in July 2006 a grade beam was partially installed at the base of the west wall of the mass excavation, adjacent to Franklin Street. The grade beam trench measured approximately four feet wide and three feet deep. Soil removed from below the former UST and for a distance of approximately 10 feet from each end of the former UST in the grade beam trench was stockpiled on plastic and subsequently disposed of at the Richmond landfill.

As part of the construction activities at the site, a total of five dewatering wells were installed at the south end of the site in June, 2006. It is RGA's understanding that the pump intakes for the dewatering wells were set at a depth of approximately 15 feet below the bottom of the mass excavation (approximately 27 feet below the Franklin Street sidewalk). Groundwater at the site was encountered during UST removal at a depth of approximately five feet below the bottom of the UST prior to site dewatering.

At the time of initial subsurface investigation the groundwater flow direction at the site was unknown. Although Lake Merritt is located to the east and southeast of the site, review of the topographic contours shown in Figures 1 and 2 suggested that the groundwater flow direction at the site could be to the west or southwest. Based on the site vicinity topography offsite boreholes were proposed in the presumed downgradient direction to the west and southwest of the subject site.

FIELD ACTIVITIES

Prior to the beginning of subsurface hand augering and drilling, boring permits were obtained from the Alameda County Department of Public Works and a health and safety plan was prepared. For offsite drilling locations, encroachment and excavation permits were obtained from the City of Oakland, the drilling locations were marked with white paint, Underground Service Alert was notified for underground utility location, a traffic plan was prepared, and notification of the scheduled drilling date was provided to City of Oakland personnel.

Onsite Boreholes, Soil Boring and Groundwater Sample Collection, and Petroleum-Impacted Soil Over-Excavation

On June 5 and June 6, 2006 onsite boreholes B7 through B12 were hand augered to first encountered groundwater, which was encountered at a depth of approximately five feet below the bottom of the mass excavation (a depth equivalent to approximately five feet below the bottom of the former UST (approximately 17 feet below the Franklin Street sidewalk). Hand augering of boreholes B7 through B12 occurred before site dewatering. No odors or soil discoloration were observed in boreholes B7 through B12. The onsite borehole locations are shown on Figures 3 and 4.

On July 20, 2006 boreholes B3 through B6 were hand augered in the vicinity of the former UST in an effort to define the horizontal extent of petroleum-impacted soil in the vicinity of the former UST. Soil samples were collected from boreholes B3 through B6 at depths of approximately three feet below the bottom of the mass excavation (approximately three feet below the bottom of the former UST and approximately 15 feet below the Franklin Street sidewalk) on the east side of the former UST. Whereas the top of boreholes B3 through B5 were at the bottom of the mass excavation, the top of borehole B6 was approximately one foot above the bottom of the mass excavation because of the presence of clean stockpiled soil that had been placed in the vicinity of the former UST. Boreholes B3 and B4 were located approximately five feet east of the former UST, and boreholes B5 and B6 were located approximately 10 feet east of the former UST. Petroleum odors and soil discoloration were encountered in boreholes B3 and B4 beginning at a depth of approximately 1.5 feet below the bottom of the mass excavation to the total depth explored of approximately three feet below the bottom of the mass excavation. No odors or soil discoloration were observed in borehole B5, however odors and soil discoloration were encountered in the lowermost 0.5 feet of borehole B6.

On July 27, 2006 a total of 14.67 tons of stockpiled soil that had been previously removed from the grade beam trench in the vicinity of the former UST pit was removed from the site and disposed of at the Richmond landfill. A copy of the weighmaster certificate documenting disposal of the soil at the landfill is attached with this report.

On August 11, 2006 over-excavation of petroleum-impacted soil was performed to a depth of approximately three feet below the bottom of the mass excavation (to a depth of approximately 15 feet below the Franklin Street sidewalk). Deeper excavation was not possible based on concerns for stability of the mass excavation wall adjacent to Franklin Street, which was located on the west side of the area of over-excavation. Similarly, excavation of petroleum-impacted soil was limited

to the eastern half of the former UST because the western half of the former UST was inaccessible beneath Franklin Street. Confirmation soil samples C1 and C2 were collected from the north and south ends of the area of over-excavation, respectively, at the bottom of the area of over-excavation at the base of the excavation wall, which was at a depth of approximately three feet below bottom of the mass excavation (a depth of approximately 15 feet below the Franklin Street sidewalk). The bottom of the area of over-excavation consisted of gray discolored soil exhibiting a mild petroleum odor. In the south end of the area of over-excavation, soil from the bottom of the excavation contained some fractures that appeared to be filled with black high viscosity oil. The excavated soil was loaded directly into trucks and removed from the site to the Richmond landfill. RGA personnel were on site to observe the excavating and loading of petroleum-impacted soil. A total of 88.13 tons of soil was removed from the site as seven truckloads. One of the trucks did not deliver the soil to the landfill until August 14, 2006 because the landfill closed before the truck arrived at the landfill with the soil. Copies of the weighmaster certificates documenting disposal of the soil at the Richmond landfill are attached with this report.

On August 11, 2006 groundwater grab samples were collected by hand augering at locations C1, C2 and C3. Borehole C3 was located on the eastern side of the area of over-excavation. The boreholes were hand augered to evaluate the vertical extent of discolored soil in the vicinity of the former UST and the groundwater grab samples were collected in an effort to evaluate the extent of petroleum in groundwater in the immediate vicinity of the former UST. Groundwater was encountered in boreholes C1 through C3 at depths of approximately 10 to 12 feet below the bottom of the former UST, which was equivalent to a depth of approximately 22 to 24 feet below the Franklin Street sidewalk. In borehole C1 no odors or soil discoloration were observed in any of the soil from the borehole, and no odor or sheen were observed in the groundwater grab sample from the borehole. In borehole C2 strong odors and soil discoloration were observed in soil beginning at the bottom of the over-excavated area (at a depth of 3 feet below the bottom of the mass excavation) and extending to a depth of 5.5 feet below the bottom of the mass excavation. The strongest odors and highest oil content encountered in boreholes C1, C2 and C3 was encountered in borehole C2. No sheen but a mild petroleum odor was encountered in the groundwater grab sample from borehole C2. In borehole C3 mild hydrocarbon odors were observed in soil between the depths of 3.5 to 4.5 feet below the bottom of the mass excavation, and no odor or sheen were observed in the groundwater grab sample from the borehole. Hand augering and groundwater sample collection from boreholes C1 through C3 on August 11, 2006 occurred following initiation of site dewatering associated with site construction. The dewatering began in June, 2006. The borehole locations and the area of soil over-excavation are shown on Figure 4.

Boreholes B3 through B12 were hand augered using a 3.5-inch outside diameter, stainless steel hand auger, and sampled with a stainless steel sampler lined with a 6-inch long brass tube driven by a slide hammer. Soil samples C1 and C2 were collected from the base of the area of over-excavation by removing loose soil and pushing a 2-inch diameter, 6-inch long brass tube directly into relatively undisturbed soil at the base of the excavation. Following sample collection, the brass tube was removed from the sampler, the ends of the tube were sequentially covered with aluminum foil and plastic endcaps, the tube was labeled, and then placed into a cooler with ice pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling.

The soil from the boreholes was logged in the field in accordance with standard geologic field techniques and the Unified Soil Classification System (USCS). All soil from the boreholes was evaluated with a 10.6 eV Photoionization Detector (PID) calibrated using a 100 ppm isobutylene standard. Observed soil odor conditions and PID readings were recorded on the boring logs. Copies of the boring logs are attached with this report.

All hand augering and sample collection equipment was cleaned with an Alconox solution followed by a clean water rinse prior to use at each location. Soil from the boreholes that was not retained for laboratory analysis was stored onsite pending disposal, and was subsequently disposed of during over-excavation of petroleum-impacted soil in the vicinity of the former UST. Following completion of sample collection activities, the boreholes were filled with neat cement grout.

Groundwater grab samples were collected from the boreholes by placing new, temporary 1-inch diameter slotted PVC pipe in boreholes B7 through B12 and C1 through C3, at depths between 5.0 and 11.0 feet below the excavated area. The water samples were collected from the temporary PVC pipe using polyethylene tubing and a stainless steel foot valve. All water samples were transferred to 1-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. No odors or sheen were observed in any of the groundwater grab samples at the time of collection, with the exception of C2 described above. Chain of custody procedures were observed for all sample handling.

New PVC pipe and polyethylene tubing were used for groundwater grab sample collection in each borehole. All other drilling and sample collection equipment was cleaned with an Alconox solution followed by a clean water rinse prior to use at each location. Soil from the boreholes that was not retained for laboratory analysis was stored onsite pending disposal. Following completion of sample collection activities, the boreholes were filled with neat cement grout using the PVC pipe as a tremie pipe.

Groundwater Monitoring Well Installation and Development

On August 15, 2006 RGA personnel oversaw the installation of monitoring wells MW1 and MW2 in the mass excavation at the subject site. Vironex, Inc. of San Leandro, California performed the well installation. The wells were installed at anticipated upgradient and transgradient locations in anticipation of future requirements for groundwater monitoring wells while the site mass excavation was still accessible to a drill rig and prior to pouring of the basement floor concrete for the building that was under construction. The locations of the onsite wells are shown in Figure 3.

Each of the boreholes for the monitoring wells was drilled to a total depth of 13.0 feet below the bottom of the mass excavation using a truck-mounted 8-inch outside diameter hollow stem auger drill rig. The soil cuttings from the augers were classified lithologically in the field in accordance with standard geologic field techniques and the Unified Soil Classification System. Groundwater

was initially encountered in boreholes MW1 and MW2 at 8.5 feet below the bottom of the mass excavation (20.5 feet below the ground surface). Copies of the boring logs for the boreholes for the monitoring wells are attached with this report.

Each of the two wells was constructed using 2-inch diameter Schedule 40 PVC pipe with 8 feet of 0.010-inch factory slot placed in the bottom of the borehole between the depths of 5 and 13 feet. The annular space surrounding the PVC pipe was filled with #2/16 RMC Pacific Materials sack sand from 4 to 13 feet below the bottom of the mass excavation (to a height of one foot above the top of the slotted interval). A one-foot thick layer of bentonite pellets was placed above the sand and hydrated. A three-foot thick layer of neat cement grout was placed in the annular space above the bentonite layer. The top of each of the PVC well pipes for the groundwater monitoring wells was secured with a watertight locking plug. A temporary 10-foot section of PVC pipe was placed at the top of each well and spray painted orange and the well surrounded with barricades pending completion of building foundation construction activities.

Watertight traffic-rated well boxes were provided to Pankow Builders, Inc. for installation over the wells at the time of basement floor concrete emplacement. Well construction specifications for wells MW1 and MW2 are provided in the Well Construction Diagrams attached with this report. 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. Soil generated during drilling was stored in drums at the site pending characterization and disposal.

On January 30, 2007, well MW2 was developed by surging and over-pumping. A total of approximately 50 gallons of water was removed from the well during development. Very rapid recharge of the well was reported during development. Prior to development, the monitoring well was monitored for depth to water to the nearest 0.01 feet using an electric water level indicator. The measured depth to groundwater prior to development on January 30, 2007 in well MW2 was 9.33 feet. During well development RGA personnel did not detect petroleum hydrocarbon odors or sheen on the water purged from the well. Water removed from the well during development was placed into the onsite groundwater treatment system for disposal. The onsite groundwater treatment system was installed in 2006 in the event that petroleum hydrocarbons were encountered in groundwater pumped from the site dewatering wells.

Well MW1 was not accessible for development on January 30, 2007 because the well box had been covered with concrete during the emplacement of the concrete for the basement floor. Following location of well MW1 beneath a thin layer of concrete, well MW1 was developed on February 20, 2007. A total of approximately 50 gallons of water was removed from the well during development. Very rapid recharge of the well was reported during development. Prior to development, the monitoring well was monitored for depth to water to the nearest 0.01 feet using an electric water level indicator. The measured depth to groundwater prior to development on February 20, 2007 in well MW1 was 6.42 feet. During well development RGA personnel did not detect petroleum hydrocarbon odors or sheen on the water purged from the well. Water removed from the well during development was placed into the onsite groundwater treatment system for disposal.

Offsite Boreholes

From November 8 through November 16, 2006 drilling was performed at offsite locations B13, B16 and B17. Based on the sample results obtained from these locations and telephone conversations with Inspector Jesse Kupers at the City of Oakland Fire Department, proposed drilling locations B14 and B15 were re-located and drilling location B18 was added to the areas of investigation identified in RGA's Subsurface Investigation Work Plan (B3 Through B17) dated June 1, 2006 (document 0387.W1) addressed to the City of Oakland Fire Department. Drilling was performed from January 30 through February 1, 2007 at locations B14, B15 and B18, and from March 19 through March 20, 2007 at locations B19, B20, B21, and B22. Offsite locations B13 through B22 are shown on Figure 5.

Each of the boreholes at the offsite drilling locations was hand augered to a depth of five feet prior to drilling in an effort to identify underground utilities, and was continuously cored below five feet. Boreholes B13, B16, and B17 were continuously cored using a 2-inch outside diameter (O.D.) Geoprobe Macrocore Barrel sampler lined with 4.8-foot long, 1¾-inch O.D. cellulose acetate tubes. Boreholes B14, B15, and B18 were continuously cored using a Geoprobe dual-tube system consisting of a 5-foot-long 3.5-inch O.D. outer casing and a 2.5-inch I.D. inner sleeve lined with 5-foot long, 2-inch O.D. cellulose acetate tubes. Boreholes B19 through B22 were cored using 3.5-inch O.D. Geoprobe Macrocore Barrel sampler lined with 4.8-foot long, 1¾-inch O.D. cellulose acetate tubes.

Boreholes B13 through B18 were continuously cored to total depths of 41, 27, 30, 25, 34, and 25 feet, respectively. At each of these borehole locations (with the exception of B16) a second borehole, designated with an "a" suffix, was drilled with a Hydropunch at a location approximately 1.5 feet from the original boring. Boreholes B13a, B14a, B15a, B17a and B18a were Hydropunched to total depths of 28, 56, 60, 41, and 59 feet, respectively. Boreholes B19 through B22 were each continuously cored with a 3.5-inch O.D. Geoprobe Macrocore Barrel sampler lined with 4.8-foot long, 1¾-inch O.D. cellulose acetate tubes to a total depth of 20 feet. In addition, B19a was drilled with a Hydropunch at a location approximately 1.5 feet horizontally from B19 to a total depth of 52 feet.

Subsurface materials were identified and evaluated based on the continuous cores from boreholes B13 through B22. The soil from the continuous cores was logged in the field in accordance with standard geologic field techniques and the Unified Soil Classification System. All of the soil from the boreholes was evaluated with a 10.6 eV Photoionization Detector (PID) calibrated using a 100 ppm isobutylene standard. Observed soil odor conditions and PID readings were recorded on the boring logs. No odors or soil discoloration were observed in any of the offsite boreholes. Copies of the soil boring logs are attached with this report. Please note that the vertical scale of the offsite boring logs is different from the vertical scale of the majority of the onsite boring logs.

Soil conductivity logs were recorded for each offsite drilling location by pushing a soil conductivity probe at a location adjacent to (approximately 1.5 feet from) the corresponding continuously cored borehole. The soil conductivity probes were pushed to depths ranging from approximately 51 to 72 feet below the ground surface, with the exception of B21 which was only pushed to a total depth of 20 feet. Repeated drilling refusal at location B21 at a depth of 20 feet at

multiple locations was interpreted to be the top of the Bay Area Rapid Transit (BART) tube located beneath Broadway.

The soil conductivity logs were used to identify permeable intervals for sample collection at depths below the continuously cored borehole intervals. Copies of the soil conductivity logs are attached with this report. Please note that the vertical scales and conductivity scales of the different soil conductivity logs are different. In addition, the conductivity scale of the soil conductivity log for B21 does not appear to be accurate, however because refusal was encountered at a depth of 20 feet at this location correction of the conductivity scale was not performed.

Offsite Groundwater Sample Collection

Between November 8, 2006 and March 20, 2007 groundwater grab samples were collected from offsite drilling locations B13 through B22. The depth of first encountered groundwater in these boreholes is recorded on the corresponding boring logs and ranged from 13.5 to 28.0 feet below the ground surface. Groundwater grab samples of first encountered groundwater were collected from the boreholes using temporary one-inch diameter slotted PVC casing set to the bottom of the continuously cored borehole, and polyethylene tubing and a stainless steel foot valve.

Groundwater samples were collected using a Hydropunch from the six boreholes B13a, B14a, B15a, B17a, B18a, and B19a at locations corresponding with locations B13 through B15, and B17 through B19. Following review of subsurface conditions identified in the soil conductivity logs (see below), the six Hydropunch samples were collected from boreholes B13a through B19a at intervals of 24.0 to 28.0, 52.0 to 56.0, 56.0 to 60.0, 37.0 to 41.0, 55.0 to 59.0, and 48.0 to 52.0 feet below the ground surface, respectively. Prior to retracting the drilling rods to expose the Hydropunch screen, the interior of the drilling rods for each borehole was evaluated to determine if water was present inside the drilling rods. No water was measured in any of the drilling rods prior to retracting the drilling rods to expose the Hydropunch screen.

A groundwater grab sample was collected from each of the Hydropunch intervals using polyethylene tubing and a stainless steel foot valve. No sheen or separate phase layers of petroleum hydrocarbons were observed and no petroleum hydrocarbon odors were detected in water in any of the offsite boreholes. All water samples were transferred to 1-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.

All drilling equipment was steam cleaned prior to use at the site. All sampling equipment 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 and water generated during drilling were stored in drums at the subject site pending characterization and disposal.

GEOLOGY AND HYDROGEOLOGY

Based on review of regional geologic maps from U.S. Geological Survey (USGS) Professional Paper 943, "Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning," by E.J. Helley and K.R. Lajoie, 1979 the subject site is underlain by Late Pleistocene alluvium (Qpa). The alluvium is described as typically consisting of weakly consolidated slightly weathered poorly sorted irregularly interbedded clay, silt, sand and gravel.

Review of Figures 1 and 2 shows that the topography at the site slopes to the west, and that a southerly-trending stream channel was at one time located immediately to the west of the subject site. The historic channel became an easterly-trending channel approximately 500 feet to the south of the subject site. Lake Merritt is located approximately 1,000 feet to the east of the site at an elevation that is approximately 15 feet lower than the subject site.

The subsurface materials encountered in the UST pit walls consisted of gray sandy silt and clay. Beneath the UST and the bottom of the adjacent mass excavation, the subsurface materials encountered in onsite boreholes B3 through B12 consisted of interlayered gravel, sand, silt and clay layers to the total depths explored. Review of the boring logs and soil conductivity logs for offsite boreholes B13 through B22 shows that the subsurface materials in the site vicinity consist of irregularly interbedded gravel, sand, silt and clay layers. The layers are discontinuous preventing correlation of the layers between boreholes. The location of geologic cross section A-A' is shown on Figure 5, and geologic cross section A-A' is shown in Figure 8.

In the onsite boreholes, groundwater was not encountered while hand augering in boreholes B3 through B6. Groundwater was first encountered during hand augering in onsite boreholes B7 through B12 at depths ranging from approximately 5 to 7 feet below the bottom of the mass excavation, which corresponds with depths of approximately 17 to 19 feet below the adjacent sidewalk surface. In boreholes C1 through C3, groundwater was first encountered during hand augering at depths of 12.0, 10.2 and 12.3 feet below the bottom of the mass excavation, which corresponds with depths of approximately 24.0, 22.2, and 24.3 feet below the adjacent sidewalk surface. The differences in water levels between the B-Series and C-Series borehole water levels can be attributed to dewatering activities at the site. Boreholes B7 through B12 were hand augered before dewatering began at the site, and that boreholes C1 through C3 were hand augered approximately two months after dewatering had begun at the site.

Groundwater was encountered while drilling in all of the offsite boreholes. The depths of first encountered groundwater in boreholes B13 through B22 were 27.0, 24.1, 23.0, 13.5, 28.0, 25.0, 15.0, 18.0, 16.0, and 17.4 feet below the ground surface, respectively.

LABORATORY ANALYSIS

All of the soil and groundwater samples were analyzed for Total Petroleum Hydrocarbons as Diesel (TPH-D) and Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Methods 3550C and 3510C in conjunction with modified EPA Method 8015C; for Total Petroleum Hydrocarbons as Gasoline (TPH-G) using EPA Method 5030B in conjunction with

modified EPA Method 8015C; and for methyl tertiary-butyl ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B. The UST pit perimeter confirmation soil samples from boreholes C1 and C2 were also analyzed for Polychlorinated Biphenyls (PCB's) using EPA Method 3550C in conjunction with EPA Method 8082A. Additional quantification of all of the borehole groundwater sample results for Total Petroleum Hydrocarbons as Bunker Oil (TPH-BO) was also performed.

The onsite borehole soil sample results are summarized in Table 2, the onsite borehole groundwater sample results are summarized in Table 3, and the offsite borehole groundwater sample results are summarized in Table 4. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report.

DISCUSSION AND RECOMMENDATIONS

Review of the soil sample results in Table 2 from onsite boreholes B3 through B6 (collected from locations adjacent to the former UST, with B5 and B6 located on the eastern perimeter of the area of UST pit over-excavation), and C1 and C2 (collected at locations on the northern and southern perimeter of the area of UST pit over-excavation) shows that TPH-G concentrations ranged from not detected to 26, mg/kg, and that the laboratory identified all of the TPH-G results as strongly aged gasoline or diesel range compounds. No BTEX compounds or PCBs were detected. The only detected analyte exceeding San Francisco Bay Regional Water Quality Control Board May 2008 Environmental Screening Levels (ESLs) for commercial land use is TPH-D. The soil at locations B3 and B4 was removed during over-excavation (see Figure 4) and samples from locations B5, B6, C1 and C2 show the final UST pit perimeter soil sample concentrations at a depth of approximately 3.0 feet below the bottom of the UST. The highest remaining perimeter soil concentration was 740 mg/kg TPH-D. However, soil at locations B3 and B4 below a depth of 3.0 feet below the bottom of the UST was not excavated.

Review of Figures 1 and 2 shows that the topography in the immediate vicinity of the site slopes to the west. The highest petroleum hydrocarbon concentrations in groundwater (96,000 ug/L TPH-BO) were detected in borehole B1 located directly beneath the former UST. Based on the results of three groundwater samples collected from the perimeter of the area of over-excavation for the site former heating oil UST pit (C1 through C3), the highest petroleum hydrocarbon groundwater concentration was in the sample from borehole C3 at the south end of the pit (9,000 ug/L TPH-BO), with a substantial decrease in groundwater petroleum concentrations to less than regulatory screening levels in the sample from borehole C1 at the north end of the area of over-excavation (a distance of approximately 20 feet from B1). The distribution of petroleum hydrocarbon concentrations in samples C1 through C3 strongly suggests a southwesterly groundwater flow direction in the vicinity of the former UST.

Based on the results of water samples collected from onsite soil borings (see Table 3) at locations upgradient of the former heating oil UST pit (B7 through B10), the extent of impact to groundwater has been defined to the north and east of the former heating oil UST pit. The presence of low concentrations of TPH-G (described by the laboratory as strongly aged gasoline) in conjunction with ethylbenzene and total xylenes in the groundwater sample collected from B8 suggests that an old or degraded gasoline plume may be encroaching on the site from the northeast from an upgradient location. The presence of comparatively low concentrations of TPH-BO in samples

from B10, B11 and B12 relative to samples from B1 and C2 further suggests a southwesterly groundwater flow direction in the vicinity of the former UST. Review of Table 3 shows that the locations where petroleum hydrocarbon concentrations exceed their respective May 2008 ESL values are at locations below the UST (B1), in the immediate UST vicinity (C2 and C3), downgradient of the UST (B11 and B12), and upgrdient of the UST associated with BTEX compounds (B8).

Review of the boring logs and soil conductivity logs for offsite boreholes B13 through B22 shows that the subsurface materials in the site vicinity consist of irregularly interbedded gravel, sand, silt and clay layers. The layers are discontinuous preventing correlation of the layers between boreholes. The location of geologic cross section A-A' is shown on Figure 5, and geologic cross section A-A' is shown in Figure 8. The discontinuous nature of the interbedded layers and the permeable nature of many of the layers appears to allow communication between shallow and deeper groundwater (see discussion of vertical extent of petroleum hydrocarbons in groundwater below).

Groundwater concentrations of TPH-D, TPH-MO and TPH-BO are shown in Figures 5, 6 and 7, respectively. Review of the offsite borehole groundwater sample results in Table 4 shows that TPH-BO was detected in first encountered groundwater (between the depths of approximately 20 and 25 feet) in boreholes B18, B19 and B22 at concentrations of 2,700, 2,100, and 1,500 ug/L, respectively, and has not been defined in the downgradient direction in the vicinity of these boreholes. These boreholes are located approximately 240, 300 and 465 feet, respectively, from the former UST pit. The horizontal transgradient boundaries of petroleum hydrocarbons in first encountered groundwater for the portion of the plume identified to date appears to be defined by boreholes B12, B14, B15, B20 and B21. The horizontal extent of impacted groundwater to the west may be limited by the subsurface presence of the Bay Area Rapid Transit (BART) tube located beneath the west side of Broadway. Repeated attempts to drill at location B21 resulted in drilling refusal at a depth of 20.0 feet, which was interpreted to be the top of the BART tube. Although no petroleum hydrocarbons were detected in deeper groundwater in the vicinity of the former UST pit (B13, B14 and B17), the vertical extent of petroleum hydrocarbons in groundwater has not been defined at downgradient locations in the remaining offsite borings located within the petroleum hydrocarbon plume. However, vertical attenuation of petroleum hydrocarbon concentrations in groundwater was observed at all drilling locations where shallow and deeper groundwater samples were collected within the plume.

Topographic contours in the vicinity of the site (see Figures 1 and 2) suggest that a southerly-trending stream channel was at one time located immediately to the west of the subject site, and that the channel became an easterly-trending channel approximately 500 feet to the south of the subject site. Based on the topography in the vicinity of the site and the distribution of groundwater petroleum hydrocarbon concentrations in the vicinity of the site (see Figures 5, 6 and 7), groundwater is interpreted to flow in an easterly direction immediately to the south of the site towards Lake Merritt, which is located approximately 1,000 feet to the east of the subject site. RGA recommends that an additional four borings designated as B23 through B26 be drilled at locations shown on Figure 9 using procedures described in this report for collection of first encountered groundwater only to determine the horizontal extent of petroleum hydrocarbons in groundwater in the vicinity of the subject site. Following delineation of the horizontal extent of

petroleum hydrocarbons in groundwater, additional evaluation of the vertical extent of petroleum hydrocarbons can be performed, as needed.

DISTRIBUTION

A copy of this report should be distributed to Mr. Jesse Kupers at the City of Oakland Fire Department HAZMAT Division. The report should be accompanied by a certification letter signed by a responsible executive officer of the property owner.

LIMITATIONS

This report was prepared solely for the use of Brandywine Realty Trust. The content and conclusions provided by RGA Environmental, Inc. in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgement 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. RGA Environmental, Inc. 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 judgement 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, please do not hesitate to contact us at (510) 547-7771.

Sincerely,
RGA Environmental, Inc.

Paul H. King
Professional Geologist #5901
Expires: 12/31/09

PROFESSIONAL GEOLOGIST
PAUL H. KING
No. 5901
STATE OF CALIFORNIA

Kenneth Pilgrim
Project Manager

Attachments:
Table 1 – Summary of Laboratory Analytical Results, UST Pit Soil Samples
Table 2 – Summary of Laboratory Analytical Results, Onsite Borehole Soil Samples
Table 3 – Summary of Laboratory Analytical Results, Onsite Groundwater Samples
Table 4 – Summary of Laboratory Analytical Results, Offsite Groundwater Samples
Figure 1 - Site Location Map
Figure 2 - Site Location Map Detail
Figure 3 - Site Location Map Showing Borehole Locations
Figure 4 - Site Plan Detail
Figure 5 - Site Vicinity Map Showing Diesel in Shallow Groundwater
Figure 6 - Site Vicinity Map Showing Motor Oil in Shallow Groundwater
Figure 7 - Site Vicinity Map Showing Bunker Oil in Shallow Groundwater
Figure 8 – Cross Section A-A' Showing Bunker Oil in Shallow and Deep Groundwater
Figure 9 - Site Vicinity Map Showing Bunker Oil in Shallow Groundwater and Rationale for Proposed Boring Locations
Weighmaster Tickets for Excavated Soil Disposal
Soil Boring Logs
Soil Conductivity Logs
Well Construction Diagrams
Laboratory Reports and Chain of Custody Documentation

PHK/sf
0387.R3

TABLES

TABLE 1
SUMMARY OF LABORATORY ANALYTICAL RESULTS
UST PIT SOIL SAMPLES
(Samples Collected on May 23, 2006)

Sample No.	Depth* (feet)	TPH-G	TPH-D	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes
T1-0.0	0.0	**300,a**	**7,300,b**	**5,700**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
T1-2.0	2.0	10,a	**990,b**	880	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
T2-0.0	0.0	9.7,a	**170,b**	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
T2-2.0	2.0	6.9,a	**780,b**	690	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
ESL_1		83	83	2,500	0.023	0.044	2.9	3.3	2.3

Notes:
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
MTBE = Methyl Tertiary-Butyl Ether
ND = Not Detected.
a = Laboratory report note: strongly aged gasoline or diesel range compounds are significant.
b = Laboratory report note: fuel oil.
* Depth is measured from 1 foot below bottom of mass excavation, which is approximately 13 feet below ground surface.
ESL_1 = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB) updated May 2008, from Table A – Shallow Soils, Groundwater is a current or potential source of drinking water (commercial/industrial land use).
Results in bold exceed their respective ESL value.
Results are in milligrams per kilogram (mg/kg), unless otherwise noted.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
ONSITE BOREHOLE SOIL SAMPLES
(Samples Collected on July 20 and August 11, 2006)

Sample No.	Depth (feet)*	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	BTEX	PCBs
B3-3.0	3.0	11, a	**1,100**, b	NA	1,100	ND<0.05	ND<0.005	NA
B4-3.0	3.0	26, a	**1,800**, b	NA	1,500	ND<0.05	ND<0.005	NA
B5-3.0	3.0	1.4, a	**300**, c, d	NA	380	ND<0.05	ND<0.005	NA
B6-3.0	3.0	6.0, a	**740**, b	NA	660	ND<0.05	ND<0.005	NA
C1-3.0	3.0	ND<1.0	1.2, d	NA	ND<5.0	ND<0.05	ND<0.005	ND<0.025
C2-3.0	3.0	4.2, a	**340**, c, d	NA	430	ND<0.05	ND<0.005	ND<0.025
ESL_1		83	83	2,500	2,500	0.023	Benzene = 0.044 Toluene = 3.3 Ethylbenzene = 2.9 Xylenes = 2.3	0.30

Notes:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.
MTBE = Methyl Tertiary-Butyl Ether.
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes.
PCBs = Polychlorinated Biphenyls.
ND = Not Detected.
NA = Not Analyzed.
* Depth is reported as depth below bottom of excavation, which was approximately 12 feet below ground surface, except for borehole B6 which began approximately 1 foot higher.
a = Laboratory Reporting Note: strongly aged gasoline or diesel range compounds are significant.
b = Laboratory Reporting Note: fuel oil.
c = Laboratory Reporting Note: oil range compounds are significant.
d = Laboratory Reporting Note: diesel range compounds are significant; no recognizable pattern.
ESL_1 = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB) updated May 2008, from Table A – Shallow Soils, Groundwater is a current or potential source of drinking water (commercial/industrial land use).
Results in bold exceed their respective ESL value.
Results are in milligrams per kilogram (mg/kg), unless otherwise noted.

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
ONSITE GROUNDWATER SAMPLES
(Samples Collected on May 23, June 5-6, and August 11, 2006)

Sample No.	Depth (feet)**	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes
B1-Water	5.0	54,a	**64,000,c**	**96,000**	**57,000**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B7-Water	5.2	ND<50	ND<50	53,g	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B8-Water	5.9	54,a	78,f	**120**	ND<250	ND<5.0	ND<0.5	ND<0.5	2.4	14
B9-Water	6.3	ND<50	ND<50	82,g	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	0.70
B10-Water	7.3	ND<50	ND<50	99	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B11-Water	6.6	ND<50	**200,c**	**400**	**320**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B12-Water	6.2	ND<50	60	**170**	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
C1-Water	13.5	ND<50	ND<50	63,g	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
C2-Water	11.0	ND<50	**5,700,c**	**9,000**	**6,400**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
C3-Water	14.0	ND<50	**200,c**	**350**	**300**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
ESL_1		100	100	100	100	5.0	1.0	40	30	20

Notes:
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
MTBE = Methyl Tertiary-Butyl Ether
ND = Not Detected.
a = Laboratory Reporting Note: strongly aged gasoline or diesel range compounds are significant.
c = Laboratory Reporting Note: oil range compounds are significant.
f = Laboratory Reporting Note: one to a few isolated peaks present.
g = Laboratory Reporting Note: value is an estimate.
** Depth is measured from bottom of mass excavation, which is approximately 12 feet below ground surface.
ESL_1 = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB) updated May 2008, from Table A - Groundwater is a current or potential source of drinking water.
Results in bold exceed their respective ESL value.
Results are in micrograms per Liter (ug/L), unless otherwise noted.

TABLE 4
SUMMARY OF LABORATORY ANALYTICAL RESULTS
OFFSITE GROUNDWATER SAMPLES
(Samples Collected on November 8, 14, 16, 2006, January 30, February 1, and March 19 and 20, 2007)

Sample No.	Depth (feet)	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes
B13a-28W	28.0	ND<50	**150**, c	**1,300**	**890**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B13-41W	41.0	ND<50	ND<50	**150**	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B14-27W	27.0	ND<50	86, c,f	**650**	**560**	ND<5.0	ND<0.5	0.61	ND<0.5	ND<0.5
B14a-56W	56.0	ND<50	ND<50	**230**	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B15-30W	30.0	ND<50	68, c	**680**	**630**	ND<5.0	ND<0.5	0.90	ND<0.5	1.9
B15a-60W	60.0	ND<50	63	**290**	ND<250	ND<5.0	ND<0.5	0.65	ND<0.5	1.0
B16-25W	25.0	ND<50	ND<50	**380**	**250**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B17a-34W	34.0	ND<50	**530,** c	**1,400**	**1,000**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B17b-41W	41.0	ND<50	ND<50	**340**	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B18-25W	25.0	ND<50	**340**, c	**2,700**	**2,400**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B18a-59W	59.0	ND<50	69	**240**	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B19-20W	20.0	ND<50	**560**, c	**2,100**	**1,700**	ND<5.0	ND<0.5	0.80	ND<0.5	ND<0.5
B19a-52W	52.0	ND<50	**140**, c	**530**	**560**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B20-20W	20.0	ND<50	ND<50	ND<50	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
B21-20W	20.0	ND<50	ND<50	ND<50	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	1.2
B22-20W	20.0	ND<50	**220**, c	**1,500**	**1,200**	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5
ESL_1		100	100	100	100	5.0	1.0	40	30	20

Notes:
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
MTBE = Methyl Tertiary-Butyl Ether
ND = Not detected above laboratory reporting limit.
c = Laboratory Reporting Note: oil range compounds are significant.
f = Laboratory Reporting Note: one to a few isolated peaks present.
ESL_1 = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board (SF-RWQCB) updated May 2008, from Table A - Groundwater is a current or potential source of drinking water.
Results in bold exceed their respective ESL value.
Results are in micrograms per Liter (ug/L), unless otherwise noted.

FIGURES

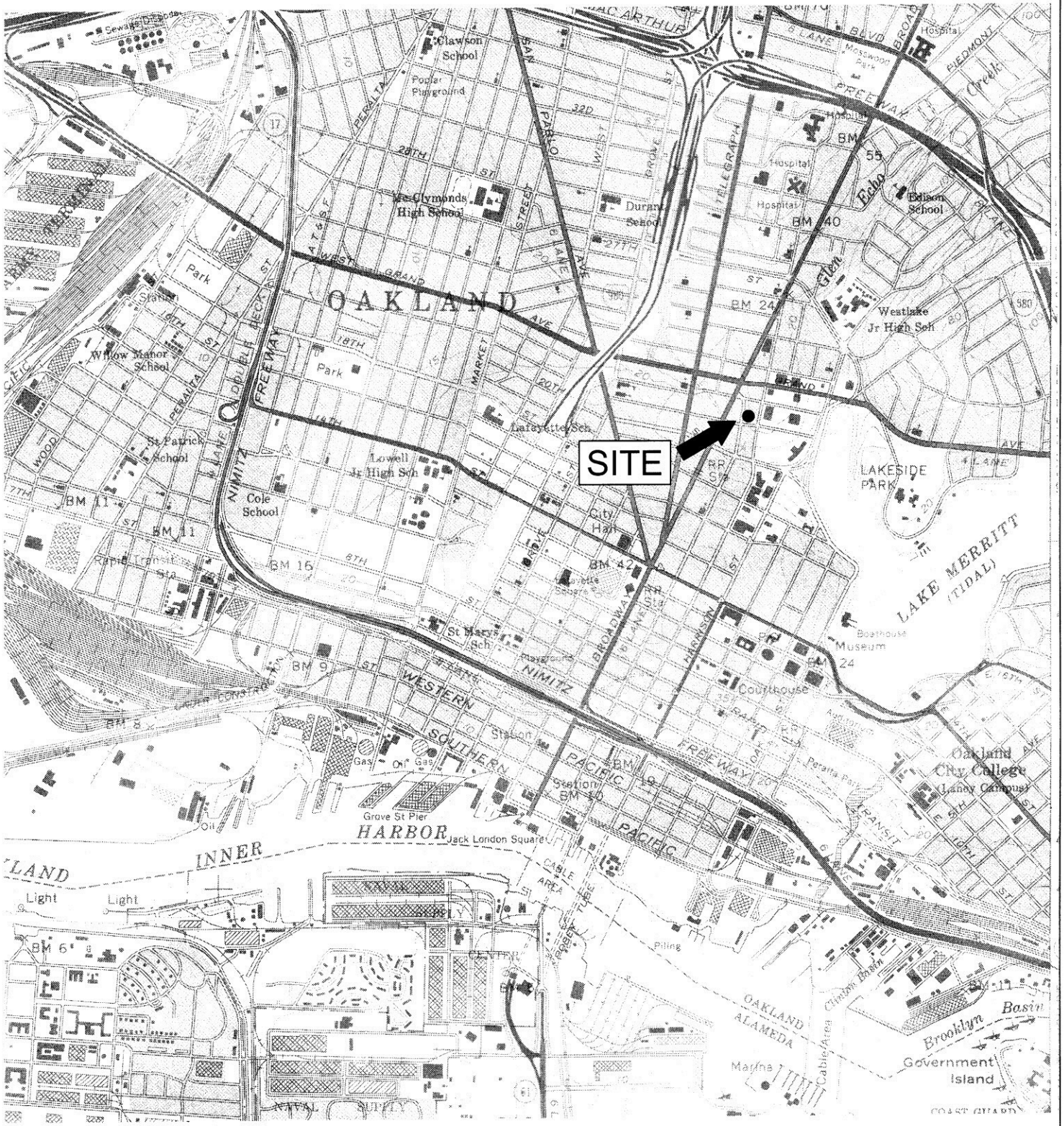

Figure 1
Site Location Map
2100 Franklin Street
Oakland, California

N

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

RGA Environmental, Inc.
1466 66th Street
Emeryville, Ca 94608

0 1000 2000
SCALE IN FEET

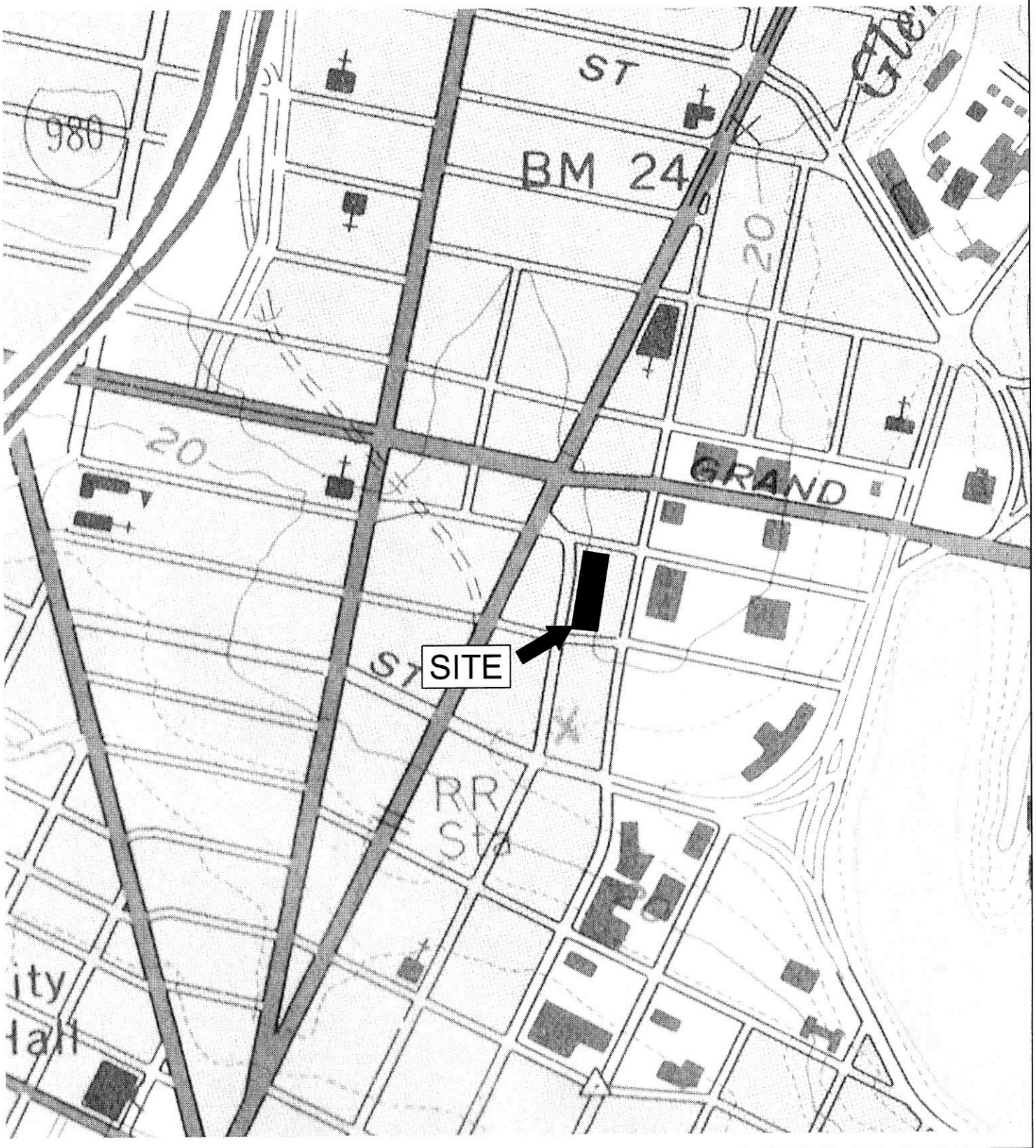

Figure 2
Site Location Map Detail
2100 Franklin Street
Oakland, California

N

Base Map From:
US Geological Survey, Oakland West, California, 7.5 minute Quadrangle, Revised 1993

RGA Environmental, Inc.
1466 66th Street
Emeryville, Ca 94608

0 250 500
SCALE IN FEET

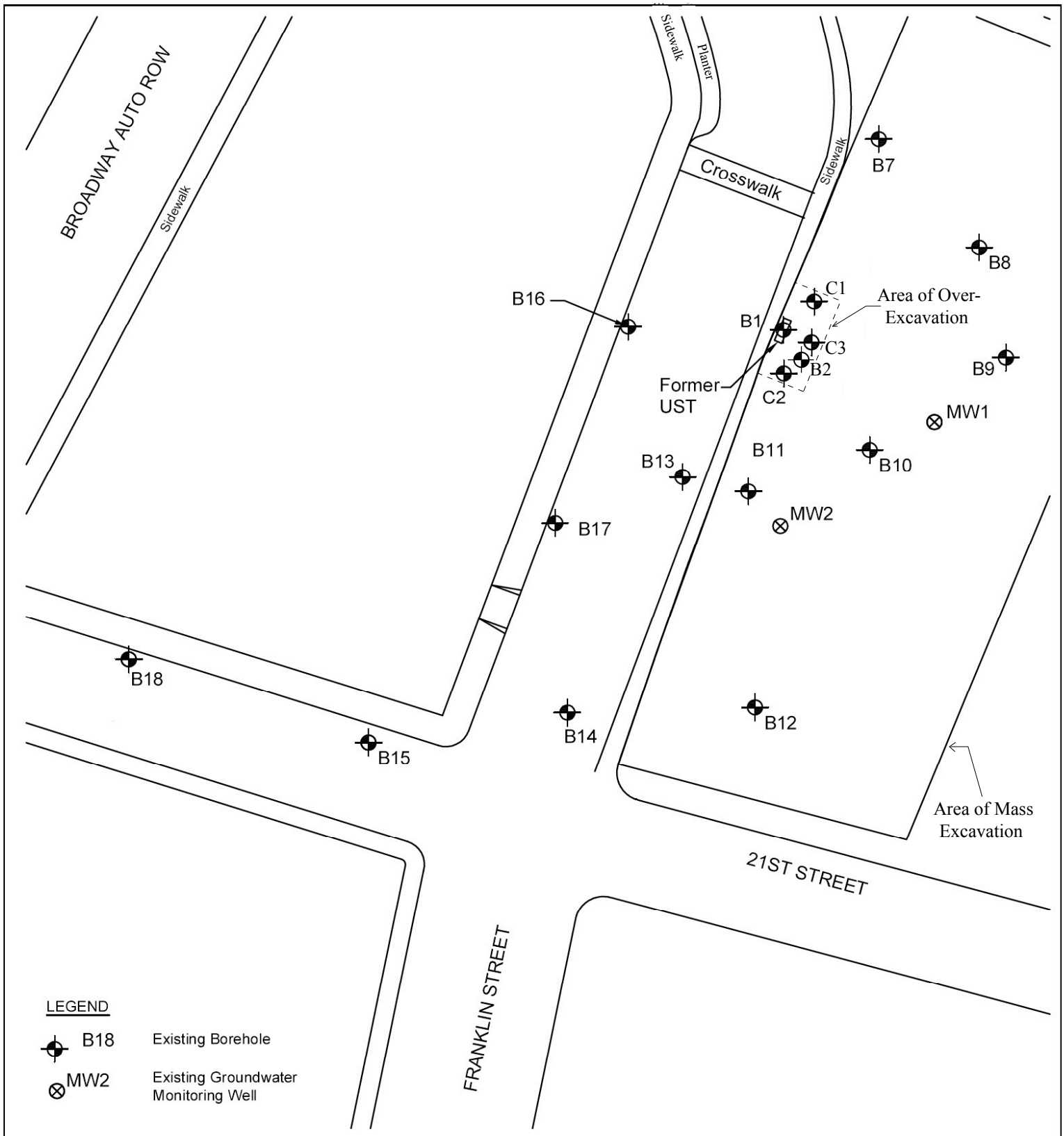

Figure 3
Site Vicinity Map Showing Borehole Locations
2100 Franklin Street
Oakland, California

N

Base Map from:
Google Earth

RGA Environmental, Inc.
1466 66th St.
Emeryville, CA 94608

0 25 50
SCALE IN FEET

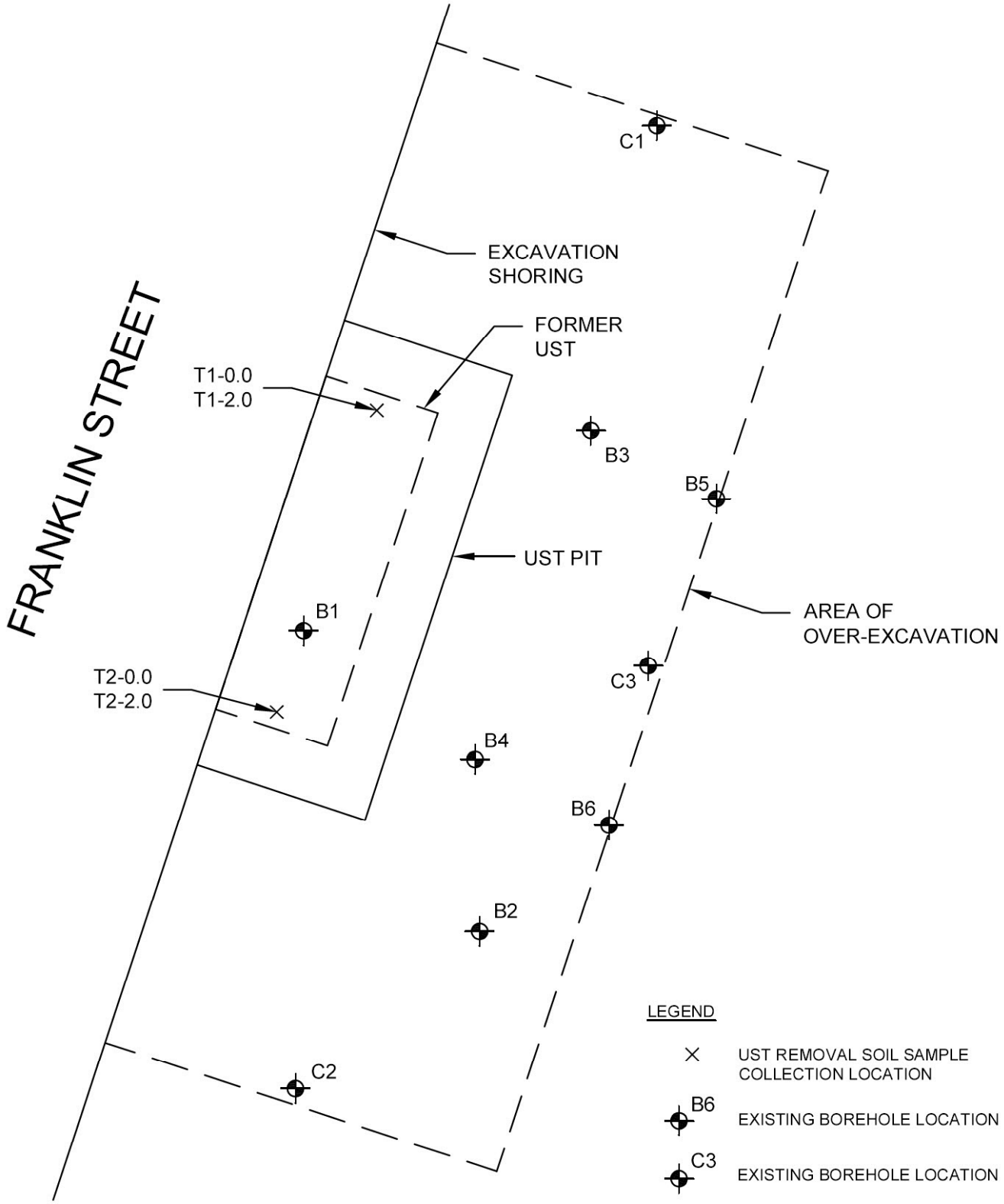

Figure 4
Site Plan Detail
2100 Franklin Street
Oakland, California

N

Base Map prepared by:
RGA Environmental, Inc.
5/23/03

RGA Environmental, Inc.
1466 66th St.
Emeryville, CA 94608

0 2.5 5
SCALE IN FEET

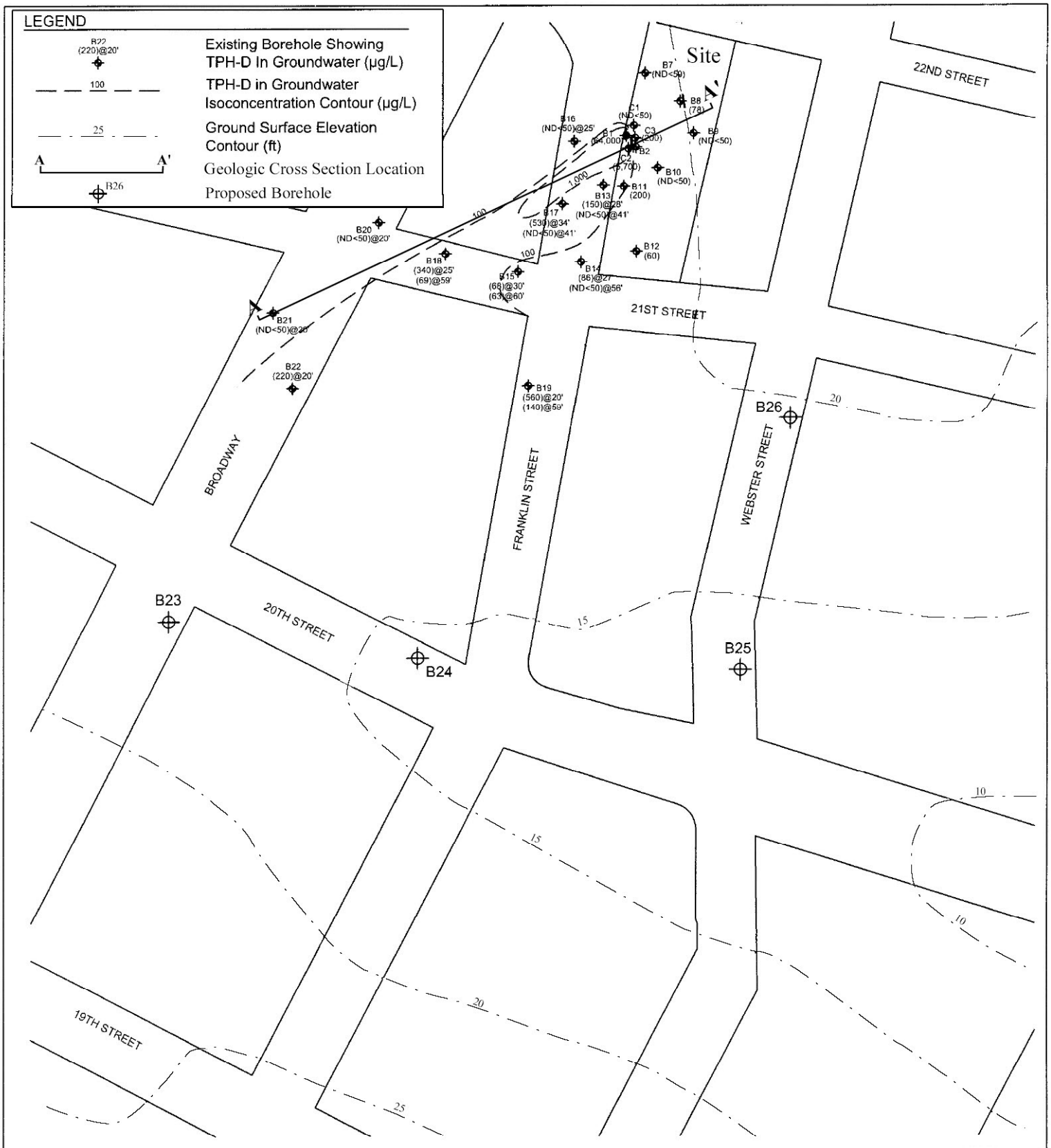

Figure 5
Site Vicinity Map Showing Diesel in Shallow Groundwater
2100 Franklin Street
Oakland, California

N

Base Map From:
City of Oakland GIS, Parcel Info and US Geological Survey, Oakland West, California, 7.5 minute Quadrangle, Revised 1993

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 75 150
SCALE IN FEET

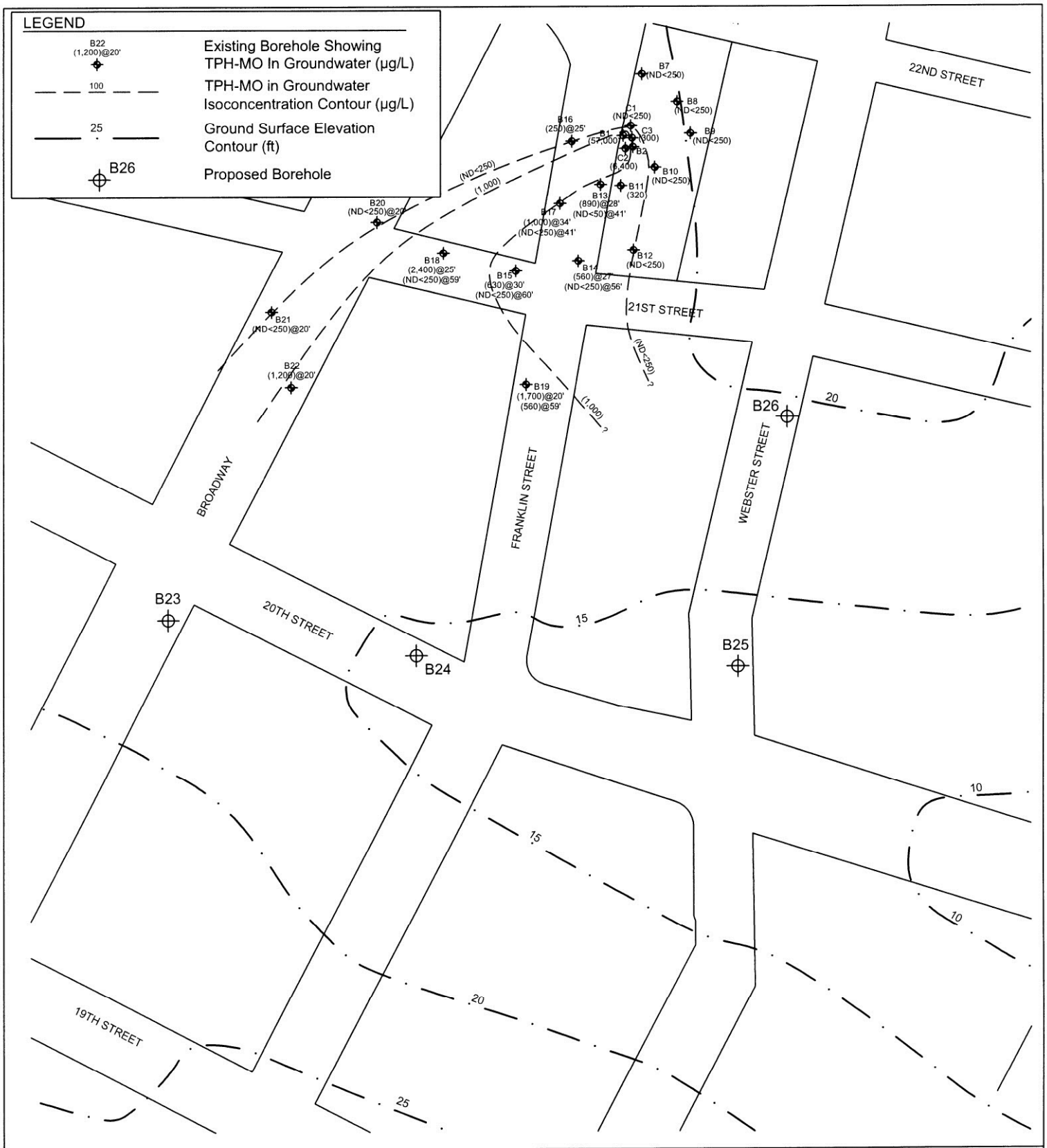

Figure 6
Site Vicinity Map Showing Motor Oil in Shallow Groundwater
2100 Franklin Street
Oakland, California

N

Base Map From:
OaklandMaps.net, Parcel Info and US Geological Survey, Oakland West, California, 7.5 minute Quadrangle, Revised 1993

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 75 150
SCALE IN FEET

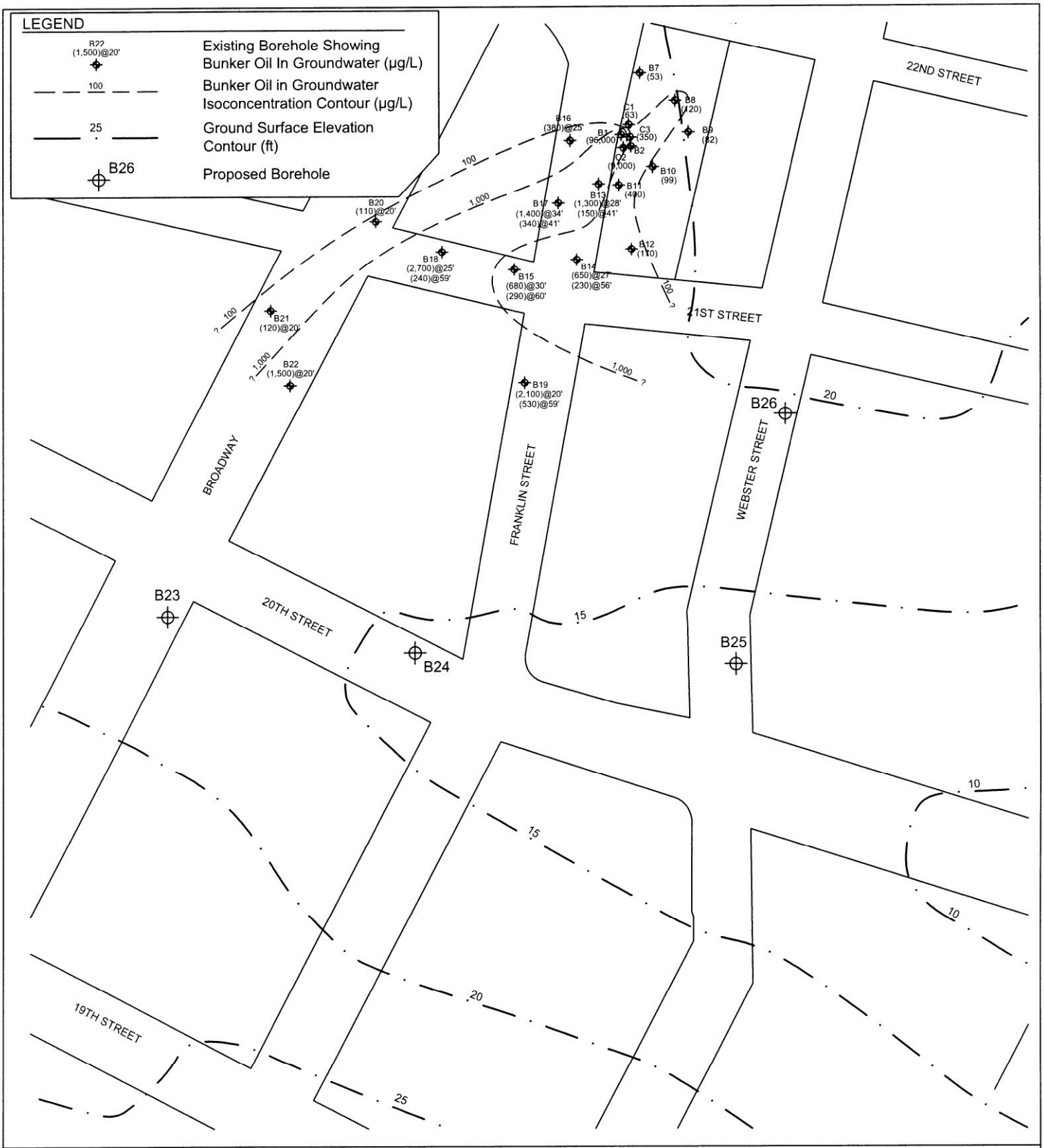

Figure 7
Site Vicinity Map Showing Bunker Oil in Shallow Groundwater
2100 Franklin Street
Oakland, California

N

Base Map From:
OaklandMaps.net, Parcel Info and US Geological Survey, Oakland West, California, 7.5 minute Quadrangle, Revised 1993

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 75 150
SCALE IN FEET

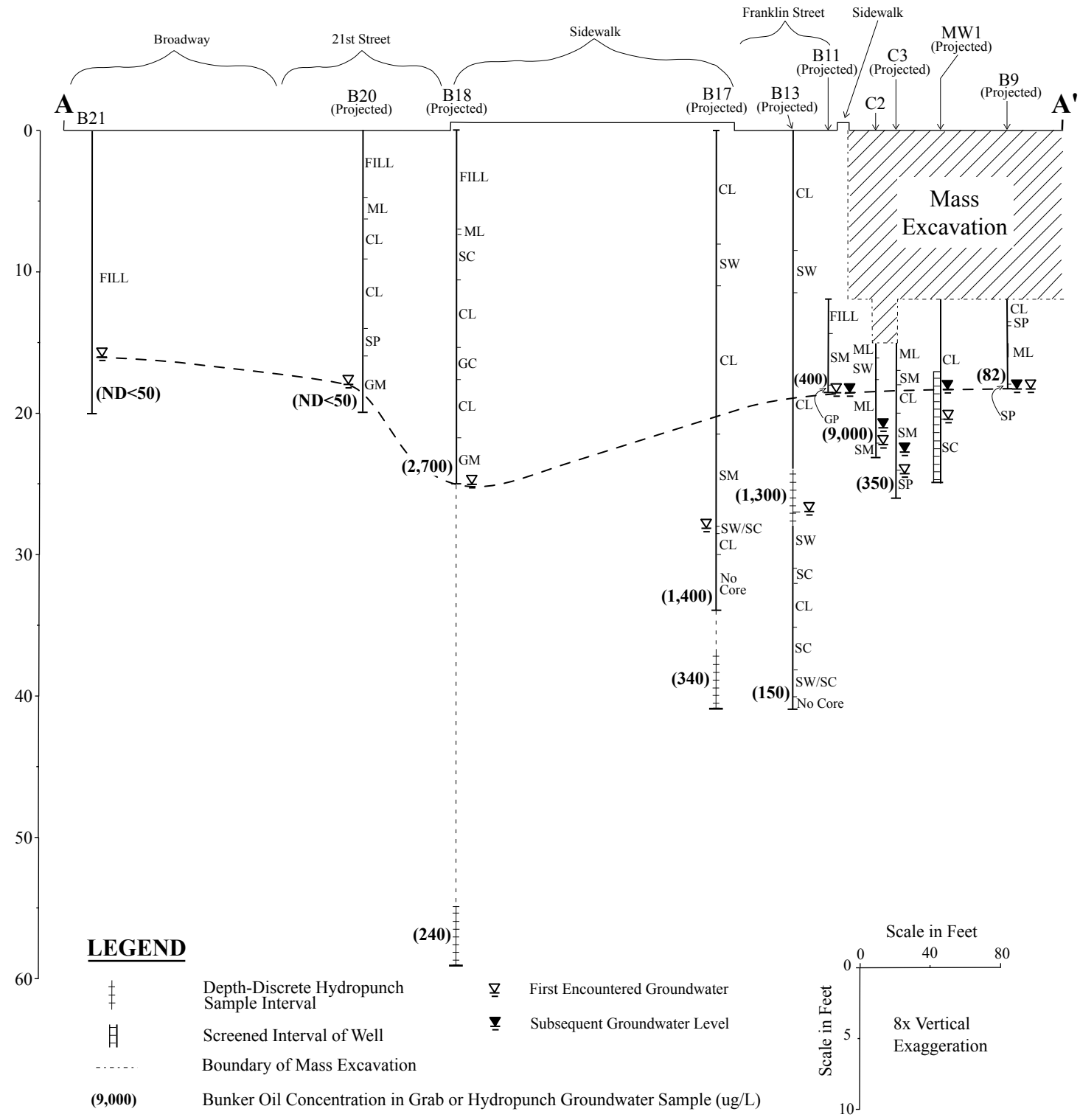

Figure 8
Cross Section A-A' Showing Bunker Oil in Shallow and Deep Groundwater
2100 Franklin Street
Oakland, California

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

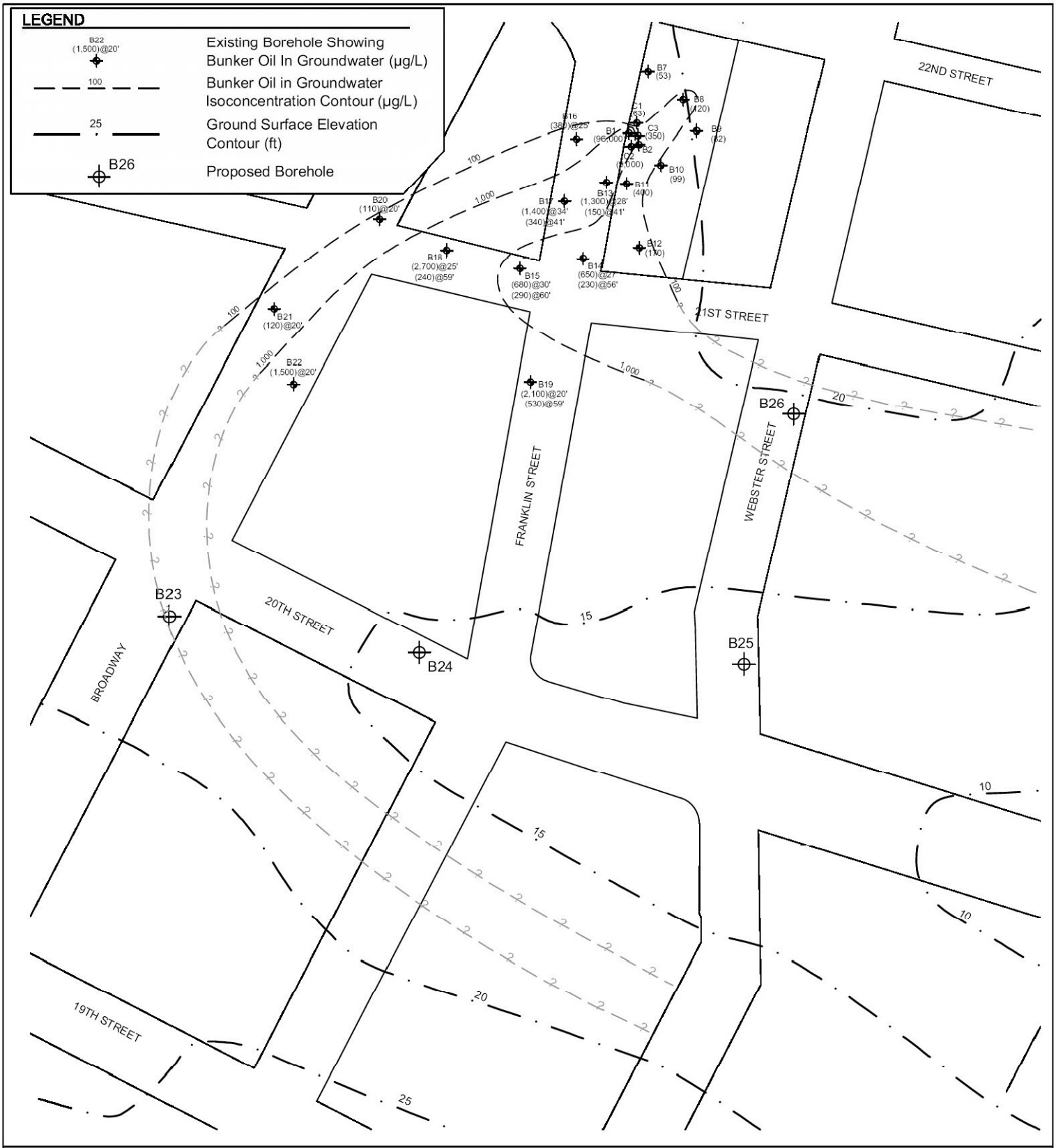

Figure 9
Site Vicinity Map Showing Bunker Oil in Shallow Groundwater and Rationale for Proposed Boring Locations
2100 Franklin Street
Oakland, California

N

Base Map From:
OaklandMaps.net, Parcel Info and US Geological Survey, Oakland West, California, 7.5 minute Quadrangle, Revised 1993

RGA Environmental, Inc.
1466 66th Street
Emeryville, CA 94608

0 75 150
SCALE IN FEET

WEIGHMASTER TICKETS FOR EXCAVATED SOIL DISPOSAL

A 786812

[redacted] Landfill, Inc.

TICKET: 182458
DATE: 7/27/2006
TIME: 08:52-08:58

CUSTOMER: 5100999/Cash Customer
TRAILER: ROUTE:
ORIGIN GROUP:
TRUCK: LICENSE:
TRUCK TYPE: E19834682
COMMENT:

GROSS: 61000 LB M In Manual Wt
TARE: 31660 LB 1 OutScale
NET: 29340 LB Tons: 14.67
WO:

WASTE	QUANTITY	UNIT	Haul Cost: RATE	AMOUNT
100% 5122/Oakland - 0109/Dir[illegible] Tons	14.67	Tons		

Visa: XXXX-XXXX-XXXX-2625:
Change:

Driver: _____ Attendant: MARIA AVALOS

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

A 794536

West Contra Costa Sanitary Landfill, Inc.

TICKET: 202706
DATE: 8/11/2006
TIME: 08:46-09:42

CUSTOMER: 5109999/Cash Customer
TRAILER:
ROUTE:
ORIGIN GROUP:
TRUCK:
LICENSE:
TRUCK TYPE: 519B91387
COMMENT:

GROSS: 51340 LB 1 In Scale
TARE: 32760 LB OutPreTare
NET: 18580 LB Tons: 9.29
WO:

Grid: 51DC

Haul Cust:

WASTE	QUANTITY	UNIT	RATE	AMOUNT
100% 5122/Oakland - 0109/Dirt Tons	9.29	Tons		

Visa: XXXX-XXXX-XXXX-6262:
Change:

Driver: ____________________

Attendant: CAROLINA CASTILLO - WCC

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

A 794539

West Contra Costa Sanitary Landfill, Inc.

TICKET: 202724
DATE: 8/11/2006
TIME: 08:39-09:47

CUSTOMER: 5109999/Cash Customer
TRAILER:
ROUTE:
ORIGIN GROUP:
TRUCK:
LICENSE:
TRUCK TYPE: 519C42295
COMMENT:

GROSS: 49100 LB 1 In Scale
TARE: 31540 LB OutPreTare
NET: 17560 LB Tons: 8.78
WO:

Grid: 51DC

Haul Cust:

WASTE	QUANTITY	UNIT	RATE	AMOUNT
100% 5122/Oakland - 0109/Dirt - Tons	8.78	Tons		

Visa: XXXX-XXXX-XXXX-2625:
Change:

Driver: ____________________ Attendant: CAROLINA CASTILLO - WCC

I certify that I have not disposed
of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

A 794598

Contra Costa Sanitary Landfill, Inc.

TICKET: 203043
DATE: 8/11/2006
TIME: 11:16-11:36

CUSTOMER: 5103999/Cash Customer
TRAILER:
ORIGIN GROUP:
TRUCK:
TRUCK TYPE: 519042295
COMMENT:

ROUTE:
LICENSE:
Bin#:51DC

GROSS: 66180 LB 1 In Scale
TARE: 31540 LB Out/PreTare
NET: 34640 LB Tons: 17.32
WO:

Haul Cust:

WASTE	QUANTITY	UNIT	RATE	AMOUNT
100% 519/San Francisco - 0103/Dirt - T	17.32	Tons		

Visa: XXXX-XXXX-XXXX-2625
Change:

Driver: _____ Attendant: CAROLINA CASTILLO - WCC

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

A 794606

West Contra Costa Sanitary Landfill, Inc.

TICKET: 203100
DATE: 8/11/2006
TIME: 11:33-11:51

CUSTOMER: 5109999/Cash Customer
TRAILER: ROUTE:
ORIGIN GROUP:
TRUCK: LICENSE:
TRUCK TYPE: 519B91387
COMMENT:

GROSS: 55800 LB 1 In Scale
TARE: 32760 LB Out PreTare
NET: 23040 LB Tons: 11.52
WO:

Brid: 51FON

Haul Cust:

WASTE	QUANTITY	UNIT	RATE	AMOUNT
100x 519/San Francisco - 0109/Dirt	T 11.52	Tons		

Visa: XXXX-XXXX-XXXX-2625:
Changes:

Driver: _____ Attendant: CAROLINA CASTILLO - WCC

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

A 794686

West Contra Costa Sanitary Landfill, Inc.

TICKET: 203522
DATE: 8/11/2006
TIME: 14:01-14:24

CUSTOMER: 5109999/Cash Customer
TRAILER:
ORIGIN GROUP:
TRUCK:
TRUCK TYPE: 519C42295
COMMENT:

ROUTE:
LICENSE:
Dflt: 51DC

GROSS:
TARE: 63760 LB 1 In Scale
NET: 31540 LB OutPreTare
WO: 32220 LB Tons: 16.11

Haul Cust:

WASTE	QUANTITY	UNIT	RATE	AMOUNT
100% 5122/Oakland - 0109/Dirt - Tons	16.11	Tons		

Visa: XXXX-XXXX-XXXX-2625:
Change:

Driver: _____ Attendant: CAROLINA CASTILLO - WCC

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

A 794691

West Contra Costa Sanitary Landfill, Inc.

TICKET: 203549
DATE: 8/11/2006
TIME: 13:59-14:34

CUSTOMER: 5100999/Cash Customer
TRAILER: ROUTE:
ORIGIN GROUP:
TRUCK: LICENSE:
TRUCK TYPE: 519B91387
COMMENT:

GROSS: 58300 LB 1 In Scale
TARE: 32760 LB OutPreTare
NET: 25620 LB Tons: 12.81
WO:

Haul Cust:

WASTE	QUANTITY	UNIT	RATE	AMOUNT
100% 5122/Oakland - 0109/Ash - Tons	12.81	Tons		

Visa: XXXX-XXXX-XXXX-2625:
Change:

Driver: _____ Attendant: CAROLINA CASTILLO - WCC

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

A 795353

West Contra Costa Sanitary Landfill, Inc.

TICKET: 205947
DATE: 8/14/2006
TIME: 08:42-08:57

CUSTOMER: 5109999/Cash Customer
TRAILER:
ROUTE:
ORIGIN GROUP:
TRUCK:
LICENSE: LH 202057
TRUCK TYPE: 510
COMMENT:
Orid: 51DC

GROSS: 44020 LB 1 In Scale
TARE: 20220 LB 30OutScale
NET: 24600 LB Tons: 12.30
WO:

Haul Custs

WASTE	QUANTITY	UNIT	RATE	AMOUNT
100% 5122/Oakland - 0109/Dirt - Tons	12.30	Tons		

Master Card: XXXX-XXXX-XXXX-2625
Change:

Driver: [signature]

Attendant: MARIA AVALOS

I certify that I have not disposed of any liquid or hazardous waste.

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighted, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the division of Measurement Standards of the California Department of Food and Agriculture.

SOIL BORING LOGS

RGA Environmental, Inc.

BORING NO.: C1	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At Northeast end of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 13.5 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 12.0 FEET	NO. OF SAMPLES: 1 Soil, 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	Excavated Area		No Well Constructed			Borehole hand augered using a 3.5-inch O.D. stainless steel hand auger. First water encountered at 12.0 ft during drilling, 13:40, 8/11/06. Water measured at 10.3 ft in borehole, 13:48, 8/11/06. One groundwater grab sample collected using a Teflon bailer and rope. No sheen or PHC odor on water sample. One soil sample collected in 2-inch O.D. stainless steel sampling tube. Borehole terminated at 13.5 ft., 8/11/06. Borehole backfilled with neat cement grout, 8/11/06. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log to obtain depth below ground surface.
2						
3						
4	3.0 ft to 6.0 ft Brown silt (ML); minor clay, minor fine sand, orange mottling. No Petroleum Hydrocarbon (PHC) odor.	ML				
5						
6						

(continued on page 2)

RGA Environmental, Inc.

BORING NO.: C1	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At Northeast end of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 13.5 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 12.0 FEET	NO. OF SAMPLES: 1 Soil, 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	(continued from page 1)					
	6.0 to 6.75 ft Brown medium sand (SP); dense, wet. No PHC odor.	SP				
7	6.75 to 8.0 ft Brown silty clay (CL); fine to coarse sand, orange and faint gray mottling, medium stiff, moist. No PHC odor.	CL				
8						
9	8.0 ft to 10.0 ft Brown silty sand (SM); fine sand, minor clay, dense, orange mottling. No PHC odor.	SM				
10						
11	10.0 ft to 12.0 ft Brown silty sand (SM); fine sand, minor clay, gray mottling, dense. No PHC odor.	SM				
12	(continued on page 3)					

RGA Environmental, Inc.

BORING NO.: C1	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At Northeast end of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 13.5 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 12.0 FEET	NO. OF SAMPLES: 1 Soil, 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
13	(continued from page 2) 12.0 ft to 13.0 ft Brown sand (SP). No PHC odor.	SP				
	13.0 ft to 13.5 ft Brown sand (SP); fine to coarse sand, gravel up to 1/2" in diameter. No PHC odor.	SP				
14						
15						
16						
17						
18						

RGA Environmental, Inc.

BORING NO.: C2	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At East end of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 11.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 10.2 FEET	NO. OF SAMPLES: 1 Soil, 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	Excavated Area		No Well Constructed			Borehole hand augered using a 3.5-inch O.D. stainless steel hand auger. First water encountered at 10.2 ft during drilling, 14:28, 8/11/06. Water measured at 9.1 ft in borehole, 14:39, 8/11/06. One groundwater grab sample collected using a Teflon bailer and rope. No sheen but mild PHC odor on water sample. One soil sample collected in 2-inch O.D. stainless steel sampling tubes. Borehole terminated at 11.0 ft., 8/11/06. Borehole backfilled with neat cement grout, 8/11/06. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log to obtain depth below ground surface.
2						
3	3.0 ft to 4.0 ft Dark gray sandy silt (ML); minor clay, stiff, moist. Strong Petroleum Hydrocarbon (PHC) odor.	ML				
4	4.0 ft to 5.5 ft Gray fine to coarse sand (SW); dense, moist. Strong PHC odor.	SW				
5	5.5 ft to 7.5 ft Brown sandy silt (ML); minor orange mottling, stiff, moist. No PHC odor.	ML				
6	(continued on page 2)					

RGA Environmental, Inc.

BORING NO.: C2	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At East end of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 11.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 10.2 FEET	NO. OF SAMPLES: 1 Soil, 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
7	(continued from page 1) 5.5 ft to 7.5 ft Brown sandy silt (ML); minor orange mottling, stiff, moist. No PHC odor.	ML				
8	7.5 ft to 10.0 ft Brown sandy silt (ML); trace coarse sand, minor orange mottling, stiff, moist. No PHC odor.	ML				
9						
10	10.0 ft to 11.0 ft Brown sand (SM). No PHC odor.	SM				
11						
12						

RGA Environmental, Inc.

BORING NO.: C3	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At Southwest End of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 14.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DMG
FIRST WATER DEPTH: 12.3 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	Excavated Area	FILL				Borehole hand augered using a 3.5-inch O.D. stainless steel hand auger. First water encountered at 12.3 ft during drilling, 12:05, 8/11/06. Water measured at 10.8 ft in borehole, 12:10, 8/11/06. One groundwater grab sample collected using a Teflon bailer and rope. No sheen or PHC odor on water sample. Borehole terminated at 14.0 ft., 8/11/06. Borehole grouted with neat cement and a 4 in. surface seal of concrete 8/11/06. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log to obtain depth below ground surface.
2						
3	3.0 ft to 3.5 ft Brown silt (ML); minor clay, minor fine sand, orange mottling with black macropores 1 to 5 mm in diameter, medium stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	ML				
4	3.5 ft to 4.5 ft Gray silt (ML); minor clay, minor fine sand, orange mottling with black macropores 1 to 5 mm in diameter, medium stiff, moist. Mild PHC odor.	ML				
5	4.5 ft to 5.0 ft Brown silt (ML); minor clay, minor fine sand, orange mottling with black macropores 1 to 5 mm in diameter, medium stiff, moist. No PHC odor.	ML				
	5.0 ft to 5.9 ft Brown silty fine sand (SM). No PHC odor.	SM				
6	5.9 ft to 6.0 ft Gravel 1/4" diameter (GW). No PHC odor.	GW				

RGA Environmental, Inc.

BORING NO.: C3	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At Southwest End of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 14.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DMG
FIRST WATER DEPTH: 12.3 FEET	NO. OF SAMPLES: 0		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
7	6.0 ft to 8.0 ft Brown silty clay(CL); fine to coarse sand, gravel up to one-inch in diameter, orange and faint gray mottling, gray mottling ends at 7'8", medium stiff, moist. No PHC odor.	CL				
8						
9	8.0 ft to 11.0 ft Brown silty sand (SM); fine sand, minor clay, orange mottling, dense. No PHC odor.	SM				
10						
11	11.0 ft to 12.0 ft Brown silty sand (SM); fine sand, minor clay, light gray mottling, dense. No PHC odor.	SM				
12						

RGA Environmental, Inc.

BORING NO.: C3	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: At Southwest End of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: PHK	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 14.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DMG
FIRST WATER DEPTH: 12.3 FEET	NO. OF SAMPLES: 0		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
13	12.0 ft to 14.0 ft Brown fine sand (SP); minor silt, one-inch thick layer of fine to coarse sand at 12.0 ft, orange and light gray mottling, dense, wet. No PHC odor.	SP				
14						
15						
16						
17						
18						

RGA Environmental, Inc.

BORING NO.: B3	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Approx. 5 feet East of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Dave Gibbs/Paul King	DATE & TIME STARTED: 7/20/06	DATE & TIME FINISHED: 7/20/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 3.5 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: DMG	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: None Encountered	NO. OF SAMPLES: 1 Soil		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0 ft to 1.5 ft Brown silty clay (CL); orange mottling. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed			Borehole hand augered using a 3.5-inch O.D. stainless steel hand auger. One soil sample collected in a 2-inch diameter 6-inch long stainless steel sampling tube from the bottom of the borehole. Borehole terminated at 3.0 ft. Sample collected at 3.0 to 3.5 ft. Borehole backfilled with neat cement grout on 7/20/06.
2	1.5 ft to 2.0 ft Shiny black sand (SP). Mild PHC odor.	SP				
3	2.0 ft to 3.0 ft Gray sand (SP). Strong PHC odor.	SP				
4						**NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.
5						
6						

RGA Environmental, Inc.

BORING NO.: B4	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Approx. 5 feet East of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Dave Gibbs/Paul King	DATE & TIME STARTED: 7/20/06	DATE & TIME FINISHED: 7/20/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 3.5 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: DMG	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: None Encountered	NO. OF SAMPLES: 1 Soil		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0 ft to 1.5 ft Brown silty clay (CL); orange mottling. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed			Borehole hand augered using a 3.5-inch O.D. stainless steel hand auger. One soil sample collected in a 2-inch diameter 6-inch long stainless steel sampling tube from the bottom of the borehole. Borehole terminated at 3.0 ft. Sample collected at 3.0 to 3.5 ft. Borehole backfilled with neat cement grout on 7/20/06.
2	1.5 ft to 2.0 ft Shiny black sand (SP). Mild PHC odor.	SP				
3	2.0 to 3.0 ft Shiny black sand (SP). Strong PHC odor.	SP				
4						**NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.
5						
6						

RGA Environmental, Inc.

BORING NO.: B5	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Approx. 10 feet East of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Dave Gibbs/Paul King	DATE & TIME STARTED: 7/20/06	DATE & TIME FINISHED: 7/20/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 3.5 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: DMG	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: None Encountered	NO. OF SAMPLES: 1 Soil		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1 2 3	0 to 3.0 ft Brown silty clay (CL) w/ fine sand; moist. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed			Borehole hand augered using a 3.5-inch O.D. stainless steel hand auger. One soil sample collected in a 2-inch diameter 6-inch long stainless steel sampling tube from the bottom of the borehole. Borehole terminated at 3.0 ft. Sample collected at 3.0 to 3.5 ft. Borehole backfilled with neat cement grout on 7/20/06.
4 5 6						**NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.

RGA Environmental, Inc.

BORING NO.: B6	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Adjacent to former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Dave Gibbs/Paul King	DATE & TIME STARTED: 8/11/06	DATE & TIME FINISHED: 8/11/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 4.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: DMG	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: None Encountered	NO. OF SAMPLES: 1 Soil		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0 ft to 1.5 ft Brown silty clay (CL); orange mottling, moist. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed			Borehole hand augered using a 3.5-inch O.D. stainless steel hand auger. One soil sample collected in a 2-inch diameter 6-inch long stainless steel sampling tube from the bottom of the borehole. Borehole terminated at 4.0 ft. Sample collected at 4.0 to 4.5 ft. Borehole backfilled with neat cement grout on 7/20/06.
2	1.5 ft to 3.5 ft Brown sand (SP); fine grained sand, orange mottling, moist. No PHC odor.	SP				
3						
4	3.5 ft to 4.0 ft Brown and Gray silty sand (SM); fine grained sand, orange mottling with black grains in mottling. No PHC odor.	SM				
	4.0 ft to 4.5 ft Gray silty sand (SM); no mottling. Strong PHC odor.	SM				
5						**NOTE:** Borehole initiated 1 ft. above bottom of mass excavation. Add 13.0 feet to depth as reported on log, to obtain depth below ground surface.
6						

RGA Environmental, Inc.

BORING NO.: B7	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Onsite, North of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Paul	DATE & TIME STARTED: 6/5/06 8:40	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 5.2 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: PHK	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 5.2 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0.0 to 1.2 ft Brown clay (CL); fine grained sand, orange and minor black mottling, very stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed			Borehole hand augered using 3.5-inch O.D. stainless steel hand auger. First water encountered at 5.2 ft during drilling, 9:15 AM, 6/5/06. Water measured at 4.2 ft in borehole, 9:58 AM, 6/5/06, approx. 5 min. after groundwater first encountered. One groundwater grab sample collected using a Teflon bailer and rope. No sheen or PHC odor on water sample. Borehole terminated at 5.2 ft., 8:53, 6/5/06. Borehole backfilled with neat cement grout, 6/5/06.
2	1.2 to 1.9 ft Brown silt (ML); fine grained sand, abundant orange mottling, medium stiff, moist. No PHC odor.	ML				
3	1.9 to 2.7 ft Brown fine grained silty sand (SM); abundant orange mottling, medium dense, moist. No PHC odor.	SM				
4	2.7 to 4.0 ft Brown sandy silt (ML); abundant orange mottling, stiff, moist. No PHC odor.	ML				
5	4.0 to 5.2 ft Brown silt (ML); minor fine sand, minor orange mottling, stiff, moist. No PHC odor.	ML				
6						**NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.

RGA Environmental, Inc.

BORING NO.: B8	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Onsite, Northeast of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Nick	DATE & TIME STARTED: 6/5/06 8:55	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel hand auger.			
COMPLETION DEPTH: 5.9 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 5.9 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0.0 to 2.0 ft Brown silty clay (CL); fine grained sand, abundant orange mottling, stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed			Borehole hand augered using 3.5-inch O.D. stainless steel hand auger.
2	2.0 to 2.3 ft Brown sand (SP); abundant orange mottling, medium dense, moist. No PHC odor.	SP				First water encountered at 5.9 ft during drilling, 9:15 AM, 6/5/06.
3	2.3 to 3.6 ft Brown silt (ML); fine grained sand, abundant orange mottling, medium stiff, moist. No PHC odor.	ML				Water measured at 5.0 ft in borehole, 9:56 AM, 6/5/06, approx. 5 min. after groundwater first encountered. One groundwater grab sample collected using a Teflon bailer and rope. No sheen or PHC odor on water sample.
4	3.6 to 4.1 ft Brown sandy silt (ML); abundant black mottling, medium stiff, moist. No PHC odor.	ML				Borehole terminated at 5.9 ft., 6/5/06. Borehole backfilled with neat cement grout, 6/5/06.
5	4.1 to 5.9 ft Brown silty sand (SM); medium dense, moist. No PHC odor.	SM	▼ ▽			**NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.
6						

RGA Environmental, Inc.

BORING NO.: B9	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA			
BORING LOCATION:	Onsite, East of former UST	ELEVATION AND DATUM:	None		
DRILLING AGENCY:	RGA Environmental, Inc.	DRILLER:	Nick	DATE & TIME STARTED: 6/5/06 10:45	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT:	3.5-inch O.D. Stainless Steel Hand Auger				
COMPLETION DEPTH:	6.3 FEET	BEDROCK DEPTH:	None Encountered	LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH:	6.3 FEET	NO. OF SAMPLES:	1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0.0 to 1.5 ft Brown silty clay (CL); fine grained sand, abundant orange mottling, minor black mottling, stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed			Borehole hand augered using 3.5-inch O.D. stainless steel hand auger. First water encountered at 6.3 ft during drilling, 11:55 AM, 6/5/06. One groundwater grab sample collected using a Teflon bailer and rope. No sheen or PHC odor on water sample Borehole terminated at 6.3 ft., 6/5/06. Borehole backfilled with neat cement grout, 6/5/06. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.
	1.5 to1.8 ft Brown sand (SP); Abudant orange mottling, medium dense. No PHC odor.	SP				
2						
3	1.8 to 6.2 ft Brown sandy silt (ML); moderate abundant orange mottling, minor black mottling, reduced mottling at 5.9 ft, medium stiff, moist. No PHC odor.	ML				
4						
5						
6	(continued on page 2)					

RGA Environmental, Inc.

BORING NO.: B9	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA			
BORING LOCATION: Onsite, East of former UST		ELEVATION AND DATUM: None			
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Nick		DATE & TIME STARTED: 6/5/06 10:45	DATE & TIME FINISHED: 6/5/06	
DRILLING EQUIPMENT: 3.5-inch O.D. Stainless Steel Hand Auger					
COMPLETION DEPTH: 6.3 FEET	BEDROCK DEPTH: None Encountered		LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804	
FIRST WATER DEPTH: 6.3 FEET	NO. OF SAMPLES: 1 Water				

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	(continued from page 1)					
	6.2 to 6.3 ft Brown sand with gravel (SP); medium dense, wet. No PHC odor.	SP	▽			
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RGA Environmental, Inc.

BORING NO.: B10	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Onsite, Southeast of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Nick	DATE & TIME STARTED: 6/5/06 12:33	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 7.3 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 7.3 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0.0 to 1.1 ft Gray/Brown sandy silt (FILL); abundant coarse sand, orange mottling, stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed			Borehole hand augered using 3.5 inch O.D. stainless steel hand auger. First water encountered at 7.3 ft during drilling, 14:36,6/5/06. One groundwater grab sample collected at 7.3 ft using a Teflon bailer and rope, 6/5/06. No sheen or PHC odor on water sample. Borehole terminated at 7.3 ft., 12/16/06. Borehole backfilled with neat cement grout, 6/5/06. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.
	1.1 to 1.6 ft Brown sand with gravel (FILL) with abundant coarse sand; loose, moist. No PHC odor.	FILL				
2	1.6 to 2.7 ft Brown sand (FILL); with clay, coarse sand and gravel, orange mottling, loose, moist. No PHC odor.	FILL				
	2.7 to 2.8 ft Brown/Gray silty sand (FILL); abundant coarse sand, orange mottling, medium dense, moist. No PHC odor.	FILL				
3	2.8 ft to 4.0 ft No Recovery (FILL)	FILL				
4	4.0 to 5.6 ft Sandy silt (ML); orange mottling, medium stiff, moist. No PHC odor.	ML				
5	5.6 to 6.5 ft Sandy silt (ML); black mottling, medium stiff, moist. No PHC odor.	ML				
6	(continued on page 2)					

RGA Environmental, Inc.

BORING NO.: B10	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Onsite, Southeast of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Nick	DATE & TIME STARTED: 6/5/06 12:33	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 7.3 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 7.3 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	(continued from page 1)					
	5.6 to 6.5 ft Sandy silt (ML); black mottling, medium stiff, moist. No PHC odor.	ML				
7	6.5 to 7.3 ft Clay (CL); abundant orange and black mottling, stiff, moist. No PHC odor.	CL	▽			
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RGA Environmental, Inc.

BORING NO.: B11	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Onsite, South of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Nick	DATE & TIME STARTED: 6/5/06 14:43	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 6.6 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 6.6 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1 2	0.0 to 1.5 ft Brown gravel (FILL); loose, dry. No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed			Borehole hand augered using 3.5 inch O.D. stainless steel hand auger. First water encountered at 6.6 ft during drilling, 15:15, 6/5/06. One groundwater grab sample collected at 6.6 ft using a Teflon bailer and rope, 6/5/06. No sheen or PHC odor on water sample. Borehole terminated at 6.6 ft., 12/16/06. Borehole backfilled with neat cement grout, 6/5/06.
3 4 5	2.5 to 5.1 ft Light brown silty sand (SM); orange mottling, stiff, moist. No PHC odor.	SM				**NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.
6	5.1 to 6.0 ft Light brown silty sand (SM); black mottling, stiff, moist. No PHC odor.	SM				
	(continued on page 2)					

RGA Environmental, Inc.

BORING NO.: B11	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA			
BORING LOCATION: Onsite, South of former UST		ELEVATION AND DATUM: None			
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Nick		DATE & TIME STARTED: 6/5/06 14:43	DATE & TIME FINISHED: 6/5/06	
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger					
COMPLETION DEPTH: 6.6 FEET	BEDROCK DEPTH: None Encountered		LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804	
FIRST WATER DEPTH: 6.6 FEET	NO. OF SAMPLES: 1 Water				

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	(continued from page 1)					
	6.0 to 6.5 ft Fine gravel (GP) 1/4-inch in diameter. No PHC odor.	GP	▽			
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RGA Environmental, Inc.

BORING NO.: B12	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Onsite, South of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Paul/Nick	DATE & TIME STARTED: 6/5/06 13:11	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 6.2 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 6.2 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
1	0.0 to 1.1 ft Brown silty sand (SM); abundant coarse gravel, orange and black mottling, medium dense. No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed			Borehole hand augered using 3.5 inch O.D. stainless steel hand auger. First water encountered at 6.2 ft during drilling, 13:54, 6/5/06. One groundwater grab sample collected at 6.2 ft using a Teflon bailer and rope, 6/5/06. No sheen or PHC odor on water sample. Borehole terminated at 6.2 ft., 12/16/06. Borehole backfilled with neat cement grout, 6/5/06. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log, to obtain depth below ground surface.
2	1.1 to 4.2 ft Brown sandy silt (ML); coarse sand, gravel, orange mottling, stiff, moist. No PHC odor.	ML				
3						
4	3.9 to 4.2 ft Brown sandy silt (ML); coarse sand, gravel, orange mottling, very stiff, moist. No PHC odor.	ML				
	4.2 to 4.8 ft Brown silt (ML); coarse sand, orange and black mottling, very stiff, moist. No PHC odor.	ML				
5	4.8 to 6.2 ft Tan silt (ML); coarse sand, orange and black mottling, very stiff, moist. No PHC odor.	ML				
6	(continued on page 2)					

RGA Environmental, Inc.

BORING NO.: B12	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: Onsite, South of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: RGA Environmental, Inc.	DRILLER: Nick	DATE & TIME STARTED: 6/5/06 14:43	DATE & TIME FINISHED: 6/5/06
DRILLING EQUIPMENT: 3.5 inch O.D. Stainless Steel Hand Auger			
COMPLETION DEPTH: 6.2 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: NRM	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 6.2 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	(continued from page 2)		▽			
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RGA Environmental, Inc.

BORING NO.: B13	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: On Franklin Street, Southwest of UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Bryan/Jeff	DATE & TIME STARTED: 11/8/06 1:00 PM	DATE & TIME FINISHED: 11/8/06
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 41.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: EFO	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 27.0 FEET	NO. OF SAMPLES: 2 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.2 ft Asphalt		No Well Constructed		0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macroprobe Barrel Sampler. Samples collected in 5-foot intervals. The sampler was lined with 4.8-foot long 1 3/4 in. O.D. cellulose acetate tubes. First water encountered at 27.0 ft during drilling, 11/8/2006. Borehole terminated at 41.0 ft. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B13-41W collected. Borehole grouted with neat cement and a 4-in. surface seal of concrete, 11/8/2006. Borehole B13a drilled at a horiz. distance of 1.5 feet from borehole 13 by pushing a Hydropunch to 28 ft. and pulling back the rod to expose the Hydropunch screen from 24-28 foot depth for collection of water sample B13a-28W. Water Sample B13a-28W was collected from the Hydropunch using new polyethylene tubing with a stainless steel foot valve. No PHC odor or sheen were detected in water samples B13-41W or B13a-28W.
	0.2 to 8.5 ft Light brown sandy clay (CL); stiff, slightly moist. No Petroleum Hydrocarbon (PHC) odor.	CL			0	
5					0	
					0	
	8.5 to 11.5 ft Brown sand (SW); loose, moist. No PHC odor.	SW			0	
10					0	
	11.5 to 18.0 ft Gray sandy clay (CL); orange mottling, medium stiff, moist. No PHC odor.	CL			0	
15					0	
					0	
	18.0 to 22.5 ft Gray sandy clay (CL); green mottling, medium stiff, moist. No PHC odor.	CL			0	
20					0	
					0	
	22.5 to 27.0 ft Gray sandy clay (CL); orange mottling, medium stiff, moist. No PHC odor.	CL			0	
25			▽		0	
	27.0 to 31.0 ft Brown sand (SW); loose, wet. No PHC odor.	SW			0	
30					0	

RGA Environmental, Inc.

BORING NO.: B13	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: On Franklin Street, Southwest of UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Bryan/Jeff	DATE & TIME STARTED: 11/8/06 1:00 PM	DATE & TIME FINISHED: 11/8/06
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 41.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: EFO	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 27.0 FEET	NO. OF SAMPLES: 2 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	31.0 to 32.0 ft Brown clayey sand (SC); medium dense, wet. No PHC odor.	SC	No Well Constructed		0	
	32.0 to 35.0 ft Brown sandy clay (CL); stiff, moist. No PHC odor.	CL			0	
35	35.0 to 38.0 ft Brown clayey sand (SC); saturated. No PHC odor.	SC			0	
	38.0 to 40.0 ft Brown well graded sand with clay and gravel (SW-SC); orange mottling, dense, stiff. No PHC odor.	SW-SC			0	
40	40.0 to 41.0 ft No core collected.				0	
45						
50						
55						
60						

RGA Environmental, Inc.

BORING NO.: B14	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: Franklin Street		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Justin/Bryan	DATE & TIME STARTED: 1/30/07	DATE & TIME FINISHED: 1/31/07
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 27.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: FJO	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 24.1 FEET	NO. OF SAMPLES: 2 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 3.1 ft Concrete mix (FILL). No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed			Borehole continuosly cored using dual tube system consisting of a 5-foot long 3.5-inch O.D. outer casing and a 2.5-inch I.D. inner sample sleeve. Samples logged in 5-foot intervals. Sampling sleeve was lined with a 5-foot long 2-inch O.D. cellulose acetate tubes. Borehole terminated at 27.0 feet, 01/30/07. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B14-27 collected. Borehole grouted with neat cement and a 6-inch surface seal of concrete, 1/31/07. Borehole B14a drilled at a horiz. distance of 1.5 feet from borehole B14 by pushing a Hydropunch to 56 ft. and pulling back the rod to expose the Hydropunch screen from 52-56 foot depth for collection of water sample B14a-56W. Water Sample B14a-56W was collected from the Hydropunch using new polyethylene tubing with a stainless steel foot valve.
	3.1 to 5.1 ft Brown silty clay (CL) with black mottling; medium soft. No PHC odor.	CL				
5	5.1 to 7.0 ft Gray-brown silty clay (CL) with black mottling; medium soft. No PHC odor.	CL			0	
	7.0 to 10.5 ft Brown silt (ML) with yellow and green mottling; soft, loose. No PHC odor.	ML				
10	10.5 to 13.2 ft Brown sand (SW) with red mottling; medium stiff, moist. No PHC odor.	SW			0	
	13.2 to 15.8 ft Gray brown clay (CL); medium soft, medium moist. No PHC odor.	CL				
15	15.8 to 20.9 ft Light brown clay (CL); medium stiff, dry. No PHC odor.	CL			0	
20	20.9 to 21.5 ft Gray gravel (GP); loose, dry. No PHC odor.	GP			0	
	21.5 to 24.1 ft Light brown silt (ML); stiff, moist. No PHC odor.	ML	▽			
25	24.1 to 26.3 ft Sandy silty gravel (GM); very loose, very moist. No PHC odor.	GM			0	
	26.3 to 27.0 ft Brown clay (CL); very stiff, slightly moist. No PHC odor.	CL				
30						No PHC odor or sheen were detected in water samples B14-27W or B14a-56W.

RGA Environmental, Inc.

BORING NO.: B15	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: Franklin Street		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim	DATE & TIME STARTED: 1/31/07	DATE & TIME FINISHED: 2/1/07
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 30.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: FJO	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 23.0 FEET	NO. OF SAMPLES: 2 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 4.3 ft Fill. No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed			Borehole continuosly cored using dual tube system consisting of a 5-foot long 3.5-inch O.D. outer casing and a 2.5-inch I.D. inner sample sleeve. Samples logged in 5-foot intervals. Sampling sleeve was lined with a 5-foot long 2-inch O.D. cellulose acetate tubes.
5	4.3 ft to 10.8 ft Beige-brown sandy silt (SM); loose, slightly moist. No PHC odor.	SM			0	
10					0	Borehole terminated at 30.0 ft, 01/31/07.
	10.8 to 12.5 ft Brown-gray clay (CL); very stiff, dry. No PHC odor.	CL				Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B15-30W collected. Borehole grouted with neat cement and a 6-inch surface seal of concrete, 2/1/07.
	12.5 ft to 13.3 ft Brown gray silty clay (CL); stiff, dry. No PHC odor.	CL				
15	13.3 ft to 17.1 ft Brown gray clay (CL) with black mottling; very stiff, dry. No PHC odor.	CL			0	Borehole 15a drilled at a horiz. distance of 1.5 feet from borehole 15 by pushing a Hydropunch to 60 ft. and pulling back the rod to expose the Hydropunch screen from 56-60 foot depth for collection of water sample B15a-60W.
	17.1 ft to 18.4 ft Dark brown clay (CL) with yellow mottling; medium stiff, dry. No PHC odor.	CL				
20	18.4 ft to 21.2 ft Dark brown clay (CL) with yellow mottling; medium stiff, dry. No PHC odor.				0	
	21.2 ft to 21.6 ft Beige-brown clay (CL); very stiff, dry. No PHC odor.	CL				
	21.6 ft to 22.5 ft Yellow-brown clayey silt (ML); medium soft, moist. No PHC odor.	ML				
	22.5 ft to 23.1 ft Gray brown silty clay (ML); medium stiff, moist. No PHC odor.	ML				Water Sample B15a-60W was collected from the Hydropunch using new polyethylene tubing with a stainless steel foot valve.
25	23.1 ft to 25.1 ft Brown gravel (GW) with yellow mottling; moist. No PHC odor.	GW			0	
	25.1 ft to 25.11 ft Gray white sandy clay (CL); moist. No PHC odor.	CL				
	25.11 ft to 26.3 ft Gray white sandy clay (CL); moist. No PHC odor.	CL				No PHC odor or sheen were detected in water samples B15-30W or B15a-60W.
	26.3 ft to 27.3 ft Beige-gray clay (CL); very stiff, dry. No PHC odor.	CL				
	27.3 ft to 28.4 ft Brown silty clay (CL); loose, dry. No PHC odor.	CL				
	28.4 ft to 29.0 ft Brown clay (CL); stiff, dry. No PHC odor.	SM				
30	29.0 ft to 30.0 ft Brown silty sand (SM); loose, slightly moist. No PHC odor.				0	

RGA Environmental, Inc.

BORING NO.: B16	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION:	West side of Franklin Street, East-Northeast of UST	ELEVATION AND DATUM: None	
DRILLING AGENCY:	Vironex, Inc.	DRILLER: Tim/Emerson	DATE & TIME STARTED: 11/14/06 12:20 PM / DATE & TIME FINISHED: 11/14/06
DRILLING EQUIPMENT:	Geoprobe 6600		
COMPLETION DEPTH:	25.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: EFO / CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH:	13.5 FEET	NO. OF SAMPLES: 1 Water	

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.2 ft Asphalt		No Well Constructed			Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macroprobe Barrel Sampler. Samples collected in 5-foot intervals. The sampler was lined with 4.8-foot long 1 3/4 in. O.D. cellulose acetate tubes. First water encountered at 13.5 ft during drilling, 11/8/2006. Borehole terminated at 25.0 ft. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B16-25W collected. Borehole grouted with neat cement and a 4-in. surface seal of concrete, 11/8/2006. No PHC odor or sheen were detected on water sample B16-25W.
	0.2 to 5.0 ft Brown sandy clay (CL); black mottling, medium stiff, slightly moist. No Petroleum Hydrocarbon (PHC) odor.	CL			0 0	
5	5.0 to 8.0 ft Brown clay (CL); black mottling, stiff, slightly moist. No PHC odor.	CL			0	
	8.0 to 11.0 ft Brown sand (SW); moist. No PHC odor.	SW			0	
10	11.0 to 11.5 ft Gray clay (CL); black mottling, moist. No PHC odor.	CL			0	
	11.5 to 12.0 ft Brown sand (SW); loose, wet. No PHC odor.	SW				
	12.0 to 13.5 ft Gray sandy clay (CL); green mottling, medium stiff, moist. No PHC odor.	CL			0	
15	13.5 to 14.0 ft Brown sand (SW); loose, wet. No PHC odor.	SW				
	14.0 to 16.0 ft Brown sandy clay (CL); orange mottling, moist. No PHC odor.	CL			0	
	16.0 to 21.5 ft Brown sandy clay (CL); orange mottling, moist. No PHC odor.				0	
20					0	
	21.5 to 23.0 ft Brown silty sand (SM); soft, saturated. No PHC odor.	SM			0	
	23.0 to 25.0 ft Gray sandy clay (CL); moist, stiff. No PHC odor.	CL			0	
25						
30						

RGA Environmental, Inc.

BORING NO.: B17	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION:	West side of Franklin Street, Southwest of UST	ELEVATION AND DATUM:	None
DRILLING AGENCY:	Vironex, Inc.	DRILLER:	Tim/Emerson
DRILLING EQUIPMENT:	Geoprobe 6600	DATE & TIME STARTED:	11/14/06 9:30 AM
DATE & TIME FINISHED:	11/14/06 11:30 AM		
COMPLETION DEPTH:	34.0 FEET	BEDROCK DEPTH:	None Encountered
LOGGED BY:	EFO	CHECKED BY:	DM GIBBS P.G. 7804
FIRST WATER DEPTH:	28.0 FEET	NO. OF SAMPLES:	2 Water

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.2 ft Asphalt		No Well Constructed		0	Borehole continuously cored using a 5-foot long 2-inch O.D. Geoprobe Macroprobe Barrel Sampler. Samples collected in 5-foot intervals. The sampler was lined with 4.8-foot long 1 3/4 in. O.D. cellulose acetate tubes. First water encountered at 28.0 ft during drilling, 11/14/2006. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B17-34W collected. Borehole terminated at 34.0 ft, 11:30 AM, 11/14/2006. Borehole grouted with neat cement and a 4-in. surface seal of concrete, 11/14/2006. Borehole B17a drilled at a horiz. distance of 1.5 feet from borehole B17 by pushing a Hydropunch to 41 ft. and pulling back the rod to expose the Hydropunch screen from 37-41 foot depths for collection of water sample B17a-41W. Water Sample B17a-41W was collected from the Hydropunch using new polyethylene tubing with a stainless steel foot valve. No PHC odor or sheen were detected in water samples B17-34W or B17a-41W.
	0.2 to 8.0 ft Brown sandy clay (CL); medium stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	CL			0	
5					0	
					0	
	8.0 to 11.0 ft Brown sand (SW); loose, moist. No PHC odor.	SW			0	
10					0	
	11.0 to 17.0 ft Gray sandy clay (CL); orange mottling, moist. No PHC odor.	CL			0	
15					0	
					0	
	17.0 to 21.5 ft Green-gray sandy clay (CL); orange mottling, stiff, moist. No PHC odor.	CL			0	
20					0	
	21.5 to 28.0 ft Brown silty sand (SM); soft, saturated. No PHC odor.	SM			0	
25					0	
					0	
	28.0 to 28.5 ft Green-gray well-graded sand with clay and gravel (SW-SC); wet. No PHC odor.	SW-SC	▽		0	
	28.5 to 30.0 ft Brown clay (CL); orange mottling, stiff, moist. No PHC odor.	CL			0	
30						

RGA Environmental, Inc.

BORING NO.: B17	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Street, Oakland, CA	
BORING LOCATION: West side of Franklin Street, Southwest of UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim/Emerson	DATE & TIME STARTED: 11/14/06 9:30 AM	DATE & TIME FINISHED: 11/14/06 11:30 AM
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 34.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: EFO	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 28.0 FEET	NO. OF SAMPLES: 2 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	30.0 to 34.0 ft No Core Collected.		No Well Constructed			
35						

RGA Environmental, Inc.

BORING NO.: B18	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: 21st Street		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Justin/Bryan	DATE & TIME STARTED: 1/31/07	DATE & TIME FINISHED: 2/1/07
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 25.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: FJO	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 25.0 FEET	NO. OF SAMPLES: 2 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
5	0.0 to 7.0 ft Concrete fill (FILL). No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed		0	Borehole continuosly cored using dual tube system consisting of a 5-foot long 3.5-inch O.D. outer casing and a 2.5-inch I.D. inner sample sleeve. Samples logged in 5-foot intervals. Sampling sleeve was lined with a 5-foot long 2-inch O.D. cellulose acetate tubes.
	7.0 to 8.1 ft Brown-biege silty sand (ML); medium stiff, dry. No PHC odor.	ML				
	8.1 to 9.4 ft Brown clayey sand (SC); medium stiff, dry. No PHC odor.	SC				
10	9.4 to 11.3 ft Dark brown silt (SC); medium stiff. Grades into unit below. No PHC odor.	SC			0	Borehole terminated at 25.0 ft, 01/31/07.
	11.3 to 14.4 ft Gray clay (CL) with black mottling; very stiff. No PHC odor.	CL				First water encountered at 25.0 ft, 2/1/2007.
15	14.4 to 16.1 ft Gray clay (CL) with black mottling; very stiff. No PHC odor.	CL			0	Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B18-25W collected. Borehole grouted with neat cement and a 6-inch surface seal of concrete, 2/1/07.
	16.1 to 18.1 ft Brown gravel with clay (GC); medium loose, moist. No PHC odor.	GC				
20	18.1 to 22.1 ft Brown clay (CL) slowly grading into beige silt in the lower part of unit; medium stiff, moist. No PHC odor.	CL			0	Borehole 18a drilled at a horiz. distance of 1.5 feet from borehole 15 by pushing a Hydropunch to 59 ft. and pulling back the rod to expose the Hydropunch screen from 55-59 foot depth for collection of water sample B18a-59W.
	22.1 to 25.0 ft Brown silty gravel (GM); loose, very moist. No PHC odor.	GM	▽			
25					0	Water Sample B18a-59W was collected from the Hydropunch using new polyethylene tubing with a stainless steel foot valve.
						No PHC odor or sheen were detected in water samples B18-25W or B18a-59W.
30						

RGA Environmental, Inc.

BORING NO.: B19	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: Franklin Street		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim	DATE & TIME STARTED: 3/20/07 8:00 AM	DATE & TIME FINISHED: 3/20/07 10:00 AM
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 20.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: FJO	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 15.0 FEET	NO. OF SAMPLES: 2 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 1.0 ft Gravel, cement and sand (FILL). No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed		0	Borehole continuosly cored using a 5-ft long 3.5-inch O.D. Geoprobe Macrocore Sampler. Samples collected in 5-ft intervals. The sampler was lined with a 4.8-ft long 1¾-inch O.D. cellulose acetate tubes. First water encountered at 15.0 ft, 3/20/07, 8:30 AM. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B19-20W collected. Borehole terminated at 20.0 ft, 03/20/07. Borehole backfilled with neat cement grout and a 4-inch surface seal of concrete, 3/20/07. Borehole B19a drilled at a horiz. distance of 1.5 feet from borehole 15 by pushing a Hydropunch to 59 ft. and pulling back the rod to expose the Hydropunch screen from 48-52 foot depth for collection of water sample B19a-52W. Water Sample B19a-52W was collected from the Hydropunch using new polyethylene tubing with a stainless steel foot valve. No PHC odor or sheen were detected in water samples B19-20W or B19a-52W.
	1.0 to 2.0 ft Brown silty sand (FILL); loose. No PHC odor.	FILL				
	2.0 to 5.1 ft Brown sand (FILL); loose, dry. No PHC odor.					
5	5.1 to 9.8 ft Brown sandy silt (ML); medium loose, medium moist. No PHC odor.	ML			0	
10	9.8 to 11.2 ft Brown sand (SP); fragments of brick, stiff, dry. No PHC odor.	SP			0	
	11.2 to 14.1 ft Black clay (CL); medium stiff, medium moist. No PHC odor.	CL				
15	14.1 to 18.0 ft Green-gray silt (ML); medium stiff, saturated. No PHC odor.	ML	▽		0	
	18.0 to 20.0 ft Green-gray silty sand (SM); medium stiff, moist. No PHC odor.	SM			0	
20						
25						
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RGA Environmental, Inc.

BORING NO.: B20	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: Broadway - Northeast		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim	DATE & TIME STARTED: 3/19/07 2:20 PM	DATE & TIME FINISHED: 3/19/07 3:30 PM
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 20.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: FJO	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 18.0 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 3.0 ft Concrete Slab.		No Well Constructed		0	Borehole continuosly cored a 5-ft long 3.5-inch O.D. Geoprobe Macrocore Sampler. Samples collected in 5-ft intervals. The sampler was lined with a 4.8-ft long 1¾-inch O.D. cellulose acetate tubes. First water encountered at 18.0 ft, 3/19/07, 3:00 PM. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B20-20W collected. Borehole terminated at 20.0 ft, 03/19/07. Borehole backfilled with neat cement grout and a 4-inch surface seal of concrete, 3/19/07. No PHC odor or sheen were detected in water sample B20-20W
	3.0 to 4.8 ft Brown sand (FILL); brick fragments. No Petroleum Hydrocarbon (PHC) odor.	FILL				
5	4.8 to 6.3 ft Brown yellow sand (ML); loose, medium soft. No PHC odor.	ML			0	
	6.3 to 9.1 ft Dark gray clay (CL) with gravel; medium stiff to very stiff. No PHC odor.	CL				
10	9.1 to 14.1 ft Dark gray clay with gravel (CL); medium stiff, medium moist. No PHC odor.	CL			0	
15	14.1 to 16.0 ft Brown sand (SP); very loose, moist. No PHC odor.	SP			0	
	16.0 to 20.0 ft Brown gravel (GM); very loose, saturated. No PHC odor.	GM	▽		0	
20						
25						
30						

RGA Environmental, Inc.

BORING NO.: B21	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: Broadway - Southwest		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim	DATE & TIME STARTED: 3/19/07 4:06 PM	DATE & TIME FINISHED: 3/19/07 5:00 PM
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 20.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: FJO	CHECKED BY: DM GIBBS P.G. 7804 _____
FIRST WATER DEPTH: 16.0 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0 to 4.0 ft Brown gray gravel, sand and cement (FILL); loose. No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed		0	Borehole continuosly cored a 5-ft long 3.5-inch O.D. Geoprobe Macrocore Sampler. Samples collected in 5-ft intervals. The sampler was lined with a 4.8-ft long 1¾-inch O.D. cellulose acetate tubes. First water encountered at 16.0 ft, 3/19/07, 4:30 PM. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B21-20W collected. Borehole terminated at 20.0 ft, 03/19/07. Borehole backfilled with neat cement grout and a 4-inch surface seal of concrete, 3/19/07. No PHC odor or sheen were detected in water sample B21-20W
5	**4.0 to 5.0 ft Gray gravel (FILL); loose. No PHC odor.**	FILL				
	5.0 to 16.0 ft Brown sand (FILL); loose, medium moist. No PHC odor.	FILL			0	
10					0	
15			▽		0	
	16.0 to 20.0 ft Brown gravel (FILL); loose, saturated. No PHC odor.	FILL			0	
20						
25						
30						

RGA Environmental, Inc.

BORING NO.: B22	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: Southeast of Broadway		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim	DATE & TIME STARTED: 3/20/07 2:00 PM	DATE & TIME FINISHED: 3/20/07 2:45 PM
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 20.2 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: FJO	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 17.4 FEET	NO. OF SAMPLES: 1 Water		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0 to 4.0 ft Concrete and gravel (FILL); loose. No Petroleum Hydrocarbon (PHC) odor.	FILL	No Well Constructed		0	Borehole continuosly cored a 5-ft long 3.5-inch O.D. Geoprobe Macrocore Sampler. Samples collected in 5-ft intervals. The sampler was lined with a 4.8-ft long 1¾-inch O.D. cellulose acetate tubes. First water encountered at 17.4 ft, 3/20/07, 2:20 PM. Temporary 1-in. diameter slotted PVC casing placed in borehole, and sample B22-20W collected. Borehole terminated at 20.2 ft, 03/20/07. Borehole backfilled with neat cement grout and a 4-inch surface seal of concrete, 3/20/07. No PHC odor or sheen were detected in water sample B22-20W
5	4.0 to 8.0 ft Brown sand (SP); loose, medium moist. No PHC odor.	SP			0	
10	8.0 to 13.0 ft Dark gray clay (CL); some organic material, medium stiff, medium moist. No PHC odor.	CL			0	
15	13.0 to 17.4 ft Dark green-gray clay (CL); medium soft, medium moist. No PHC odor.	CL	▽		0	
20	17.4 to 20.2 ft Dark green silty clay (CL); very moist. No PHC odor.	CL			0	
25						
30						

RGA Environmental, Inc.

BORING NO.: MW1	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: In mass excavation Southeast of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim	DATE & TIME STARTED: 8/15/06	DATE & TIME FINISHED: 8/15/06
DRILLING EQUIPMENT: Hollow Stem Auger			
COMPLETION DEPTH: 13.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: DMG	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 8.5 FEET	NO. OF SAMPLES: 0		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
0	0 to 3.0 ft. Brown clay (CL); moist, trace fine sand, low to medium plasticity. No Petroleum Hydrocarbon (PHC) odor.	CL	See attached Well Construction Diagram			Boring drilled using an 8-inch diameter hollow stem auger. Log constructed from soil collected from auger flights. Groundwater initially encountered at 8.5 feet, 12:10 , 8/15/06. Static groundwater measured at 6.4 feet, 14:30, 2/20/07. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log in order to obtain depth below ground surface. Borehole terminated at 13.0 feet (25.0 feet bgs) on 8/15/06. Well constructed 8/15/06.
5	3.0 to 6.0 ft. Brown clay (CL); moist, fine sand, medium plasticity. No (PHC) odor.	CL				
	6.0 to 7.5 ft. Brown clay (CL); dry, with fine sand, low plasticity. No (PHC) odor.	CL				
	7.5 to 8.5 ft. Brown clay (CL); dry, with fine to coarse sand, low plasticity. No (PHC) odor.	CL				
10	8.5 to 13.0 ft. Brown clayey sand (SC); wet, with fine to coarse sand. No (PHC) odor.	SC				
15						
20						
25						
30						

RGA Environmental, Inc.

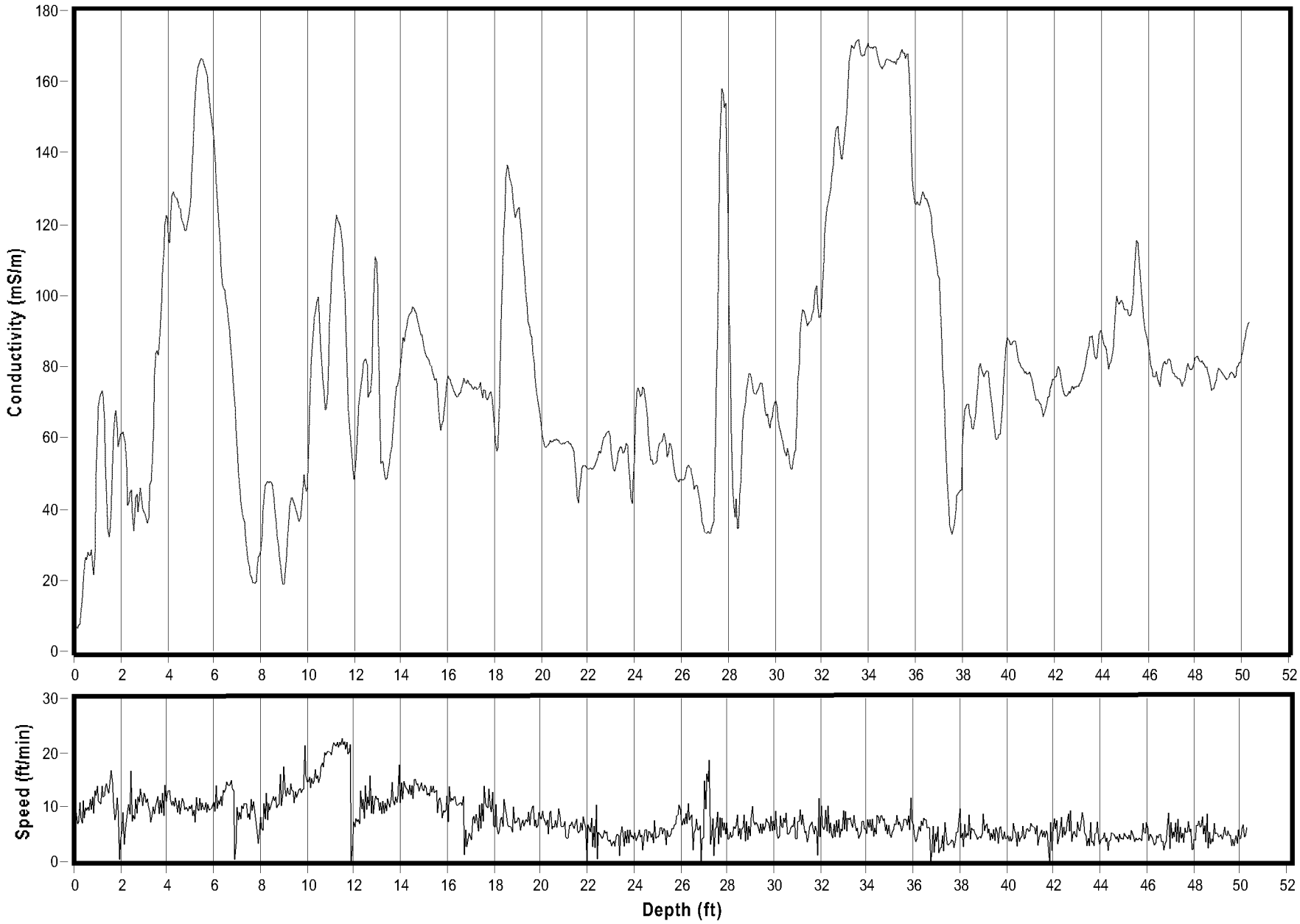
BORING NO.: MW2	PROJECT NO.: 0387	PROJECT NAME: 2100 Franklin Ave, Oakland, CA	
BORING LOCATION: In mass excavation Southeast of former UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Tim	DATE & TIME STARTED: 8/15/06	DATE & TIME FINISHED: 8/15/06
DRILLING EQUIPMENT: Hollow Stem Auger			
COMPLETION DEPTH: 13.0 FEET	BEDROCK DEPTH: None Encountered	LOGGED BY: DMG	CHECKED BY: DM GIBBS P.G. 7804
FIRST WATER DEPTH: 8.5 FEET	NO. OF SAMPLES: 0		

DEPTH(FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
0	0 ft to 3.0 ft Brown to deep-brown clay (CL); trace fine sand, low plasticity, dry. No Petroleum Hydrocarbon (PHC) odor.	CL	See attached Well Construction Diagram			Boring drilled using an 8-inch diameter hollow stem auger. Log constructed from soil collected from auger flights. Groundwater initially encountered at 8.5 feet, 14:30, 8/15/06. Static groundwater measured at 6.56 feet, 14:30, 2/20/07. **NOTE:** Borehole initiated at bottom of mass excavation. Add 12.0 feet to depth as reported on log in order to obtain depth below ground surface. Borehole terminated at 13.0 feet (25.0 feet bgs) on 8/15/06. Well constructed 8/15/06.
5	3.0 ft to 7.5 ft Brown to deep-brown clay (CL); some coarse sand, well graded, low plasticity, moist. No PHC odor.	CL ▼				
	7.5 ft to 8.5 ft Brown clayey sand (SC); well graded fine to coarse grained sand, moist. No PHC odor.	SC ▽				
10	8.5 ft to 13.0 ft Brown clayey sand (SC); well graded fine to coarse grained sand, wet.	SC				
15						
20						
25						
30						

SOIL CONDUCTIVITY LOGS

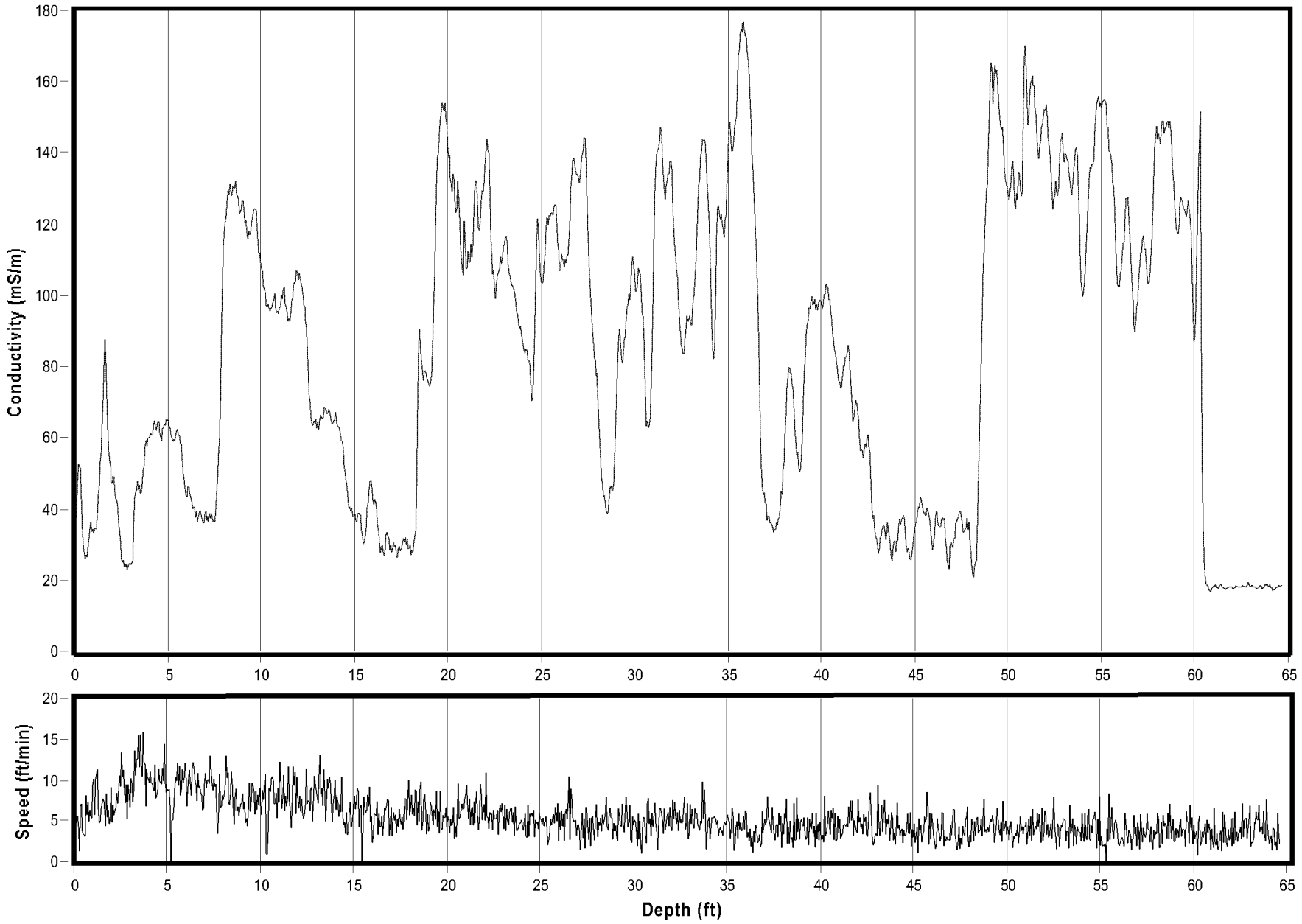
LOG: A:\EC0078.DAT

B13 Electrical Conductivity Log



B14 Electrical Conductivity Log

LOG: A:\EC0088.DAT



B15 Electrical Conductivity Log

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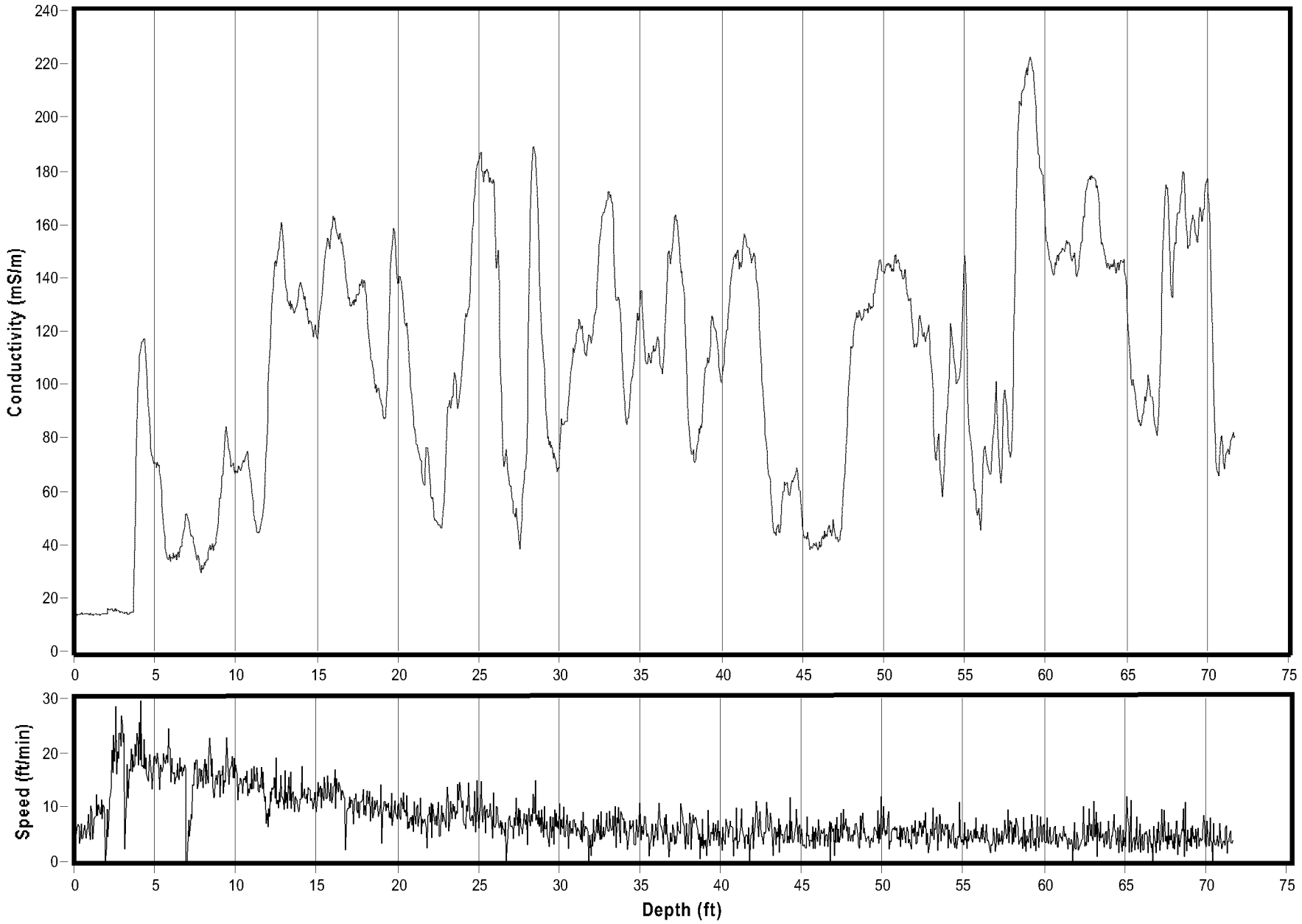

B16 Electrical Conductivity Log

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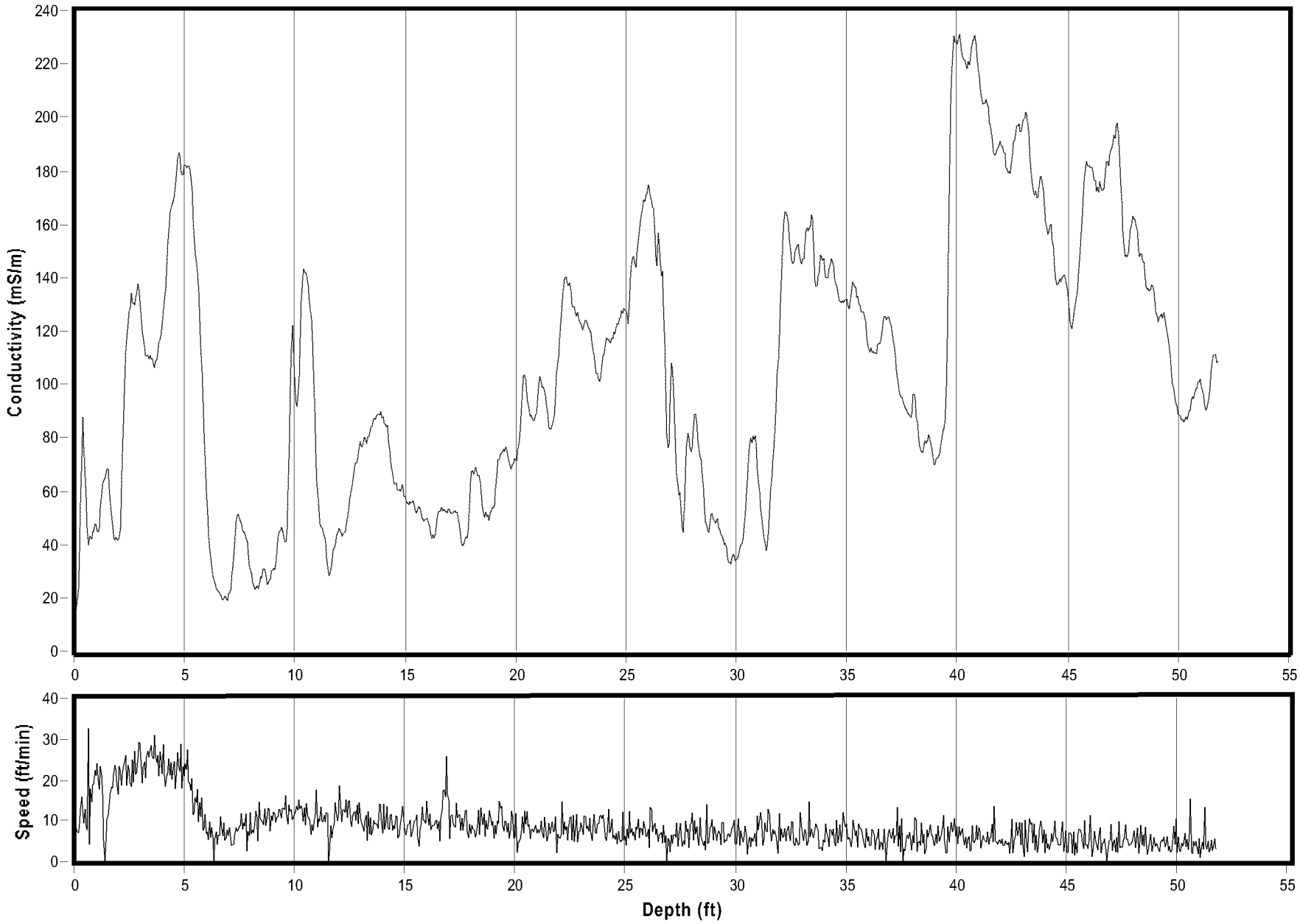

B17 Electrical Conductivity Log

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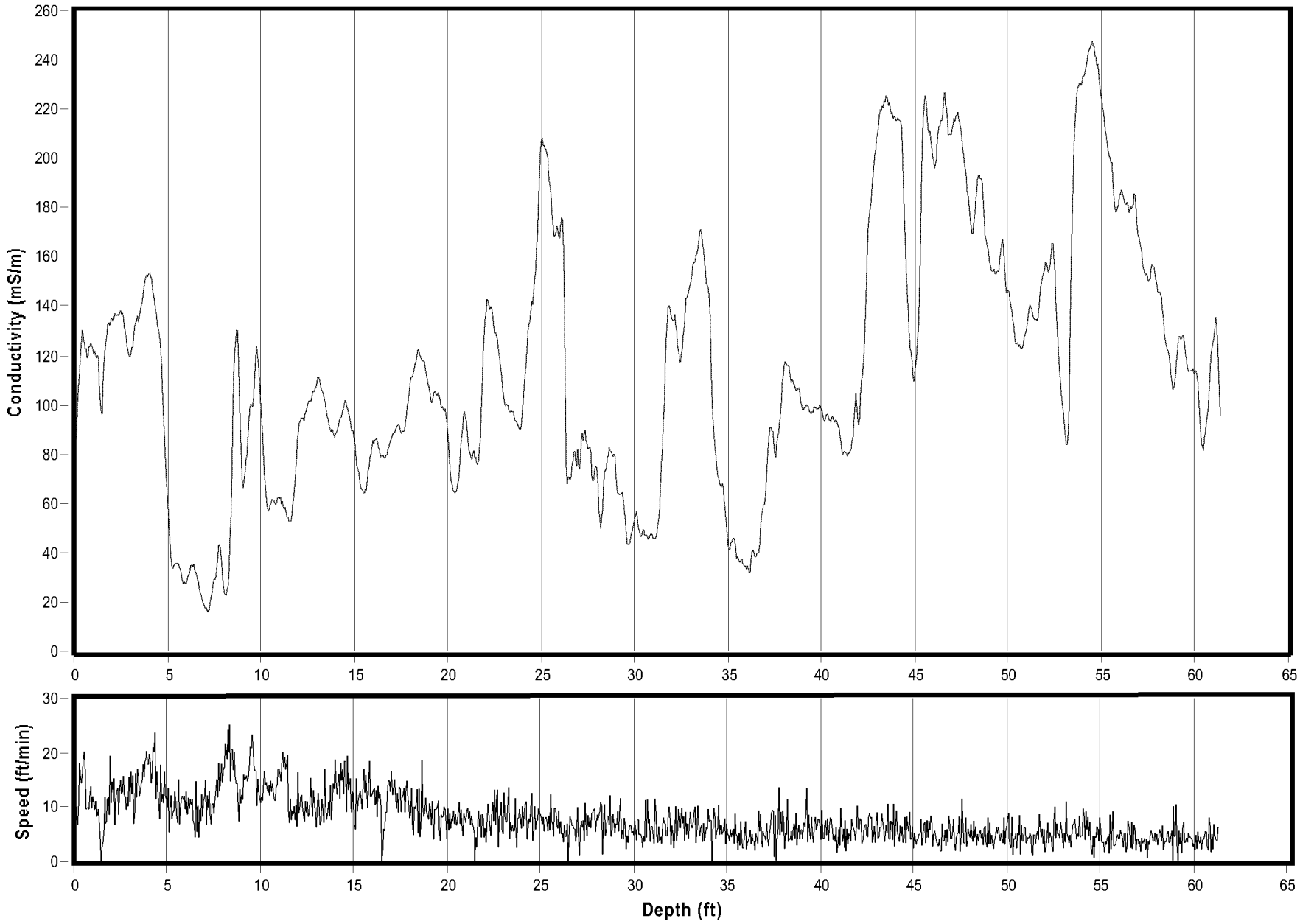
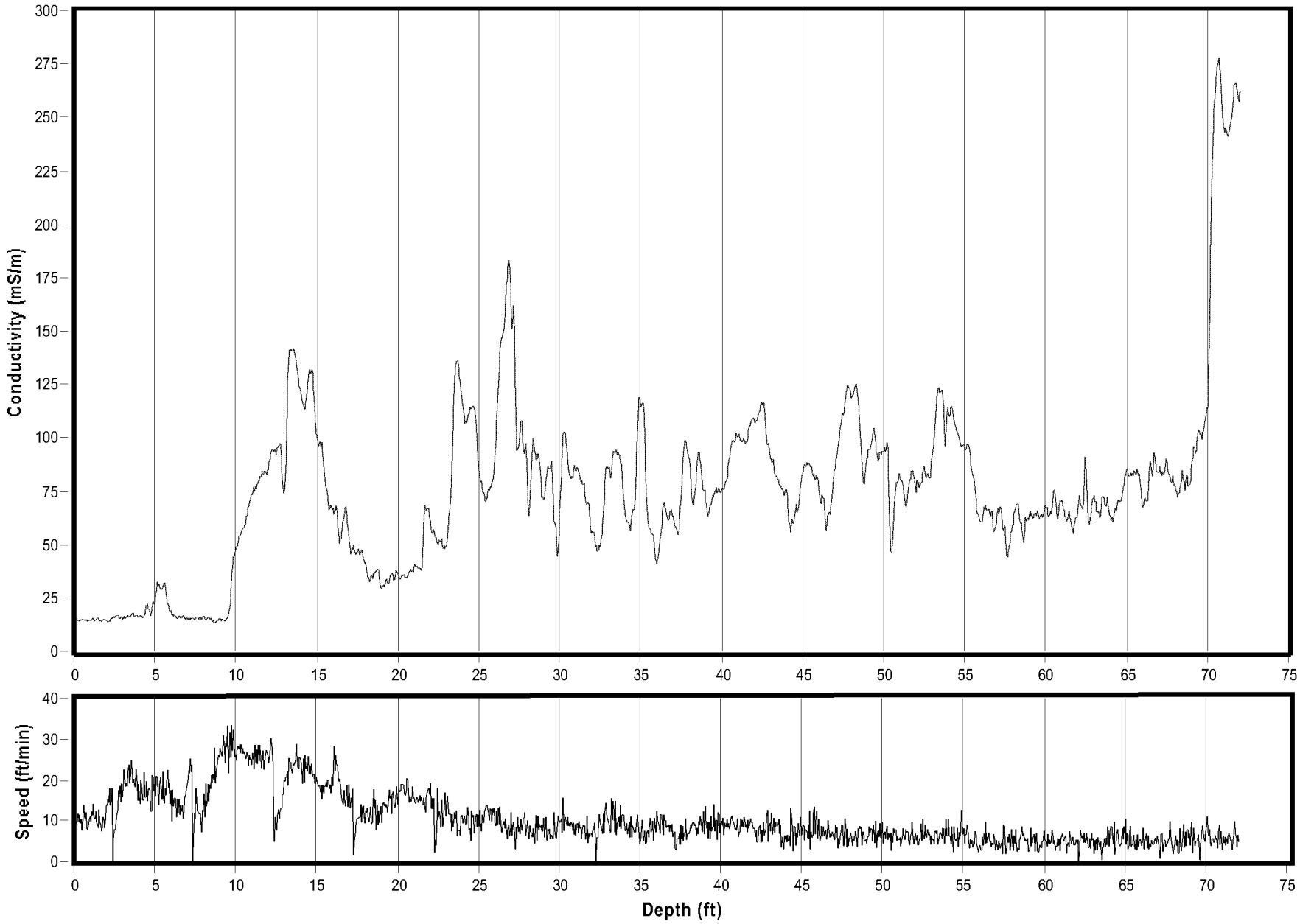
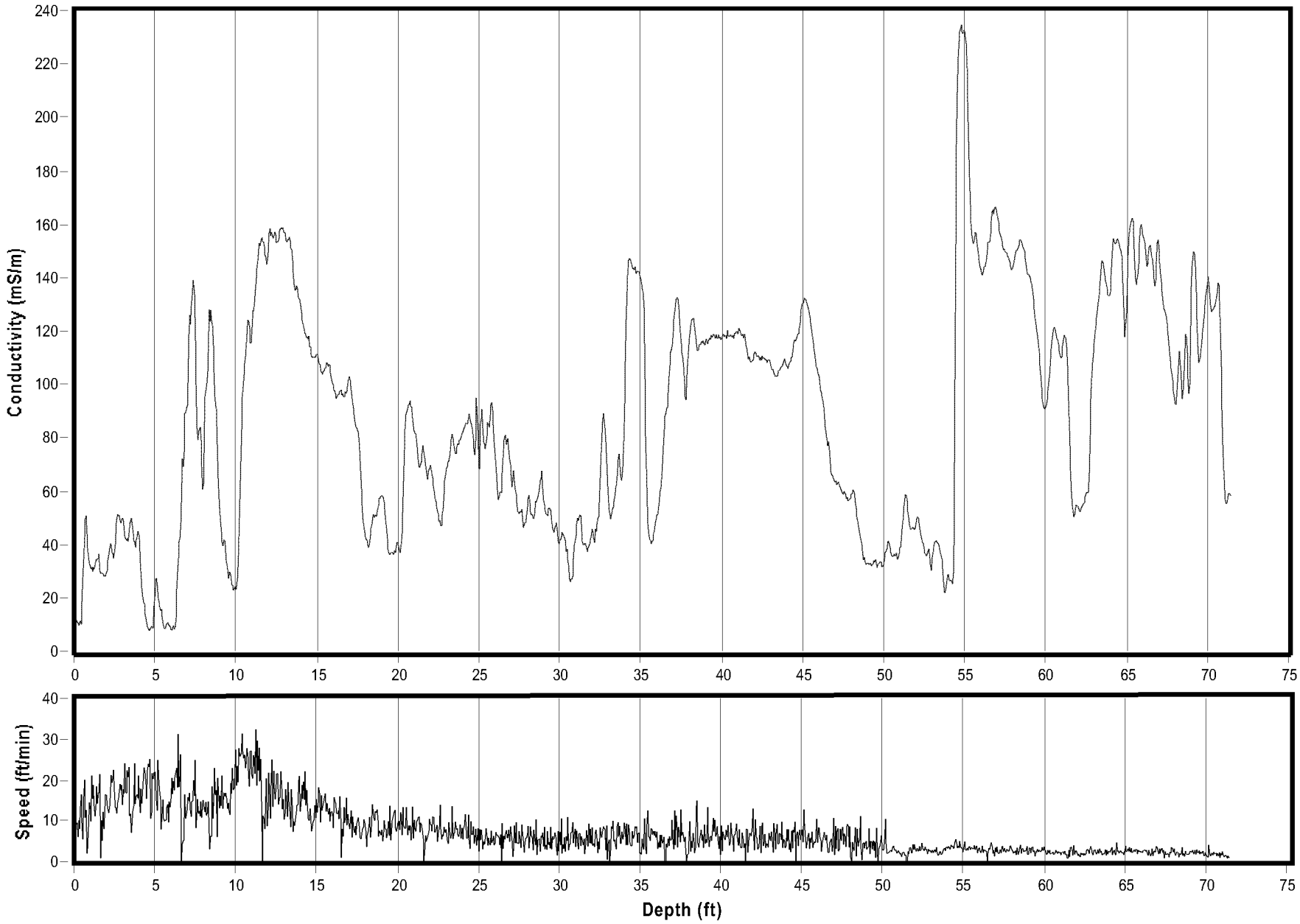


B18 Electrical Conductivity Log

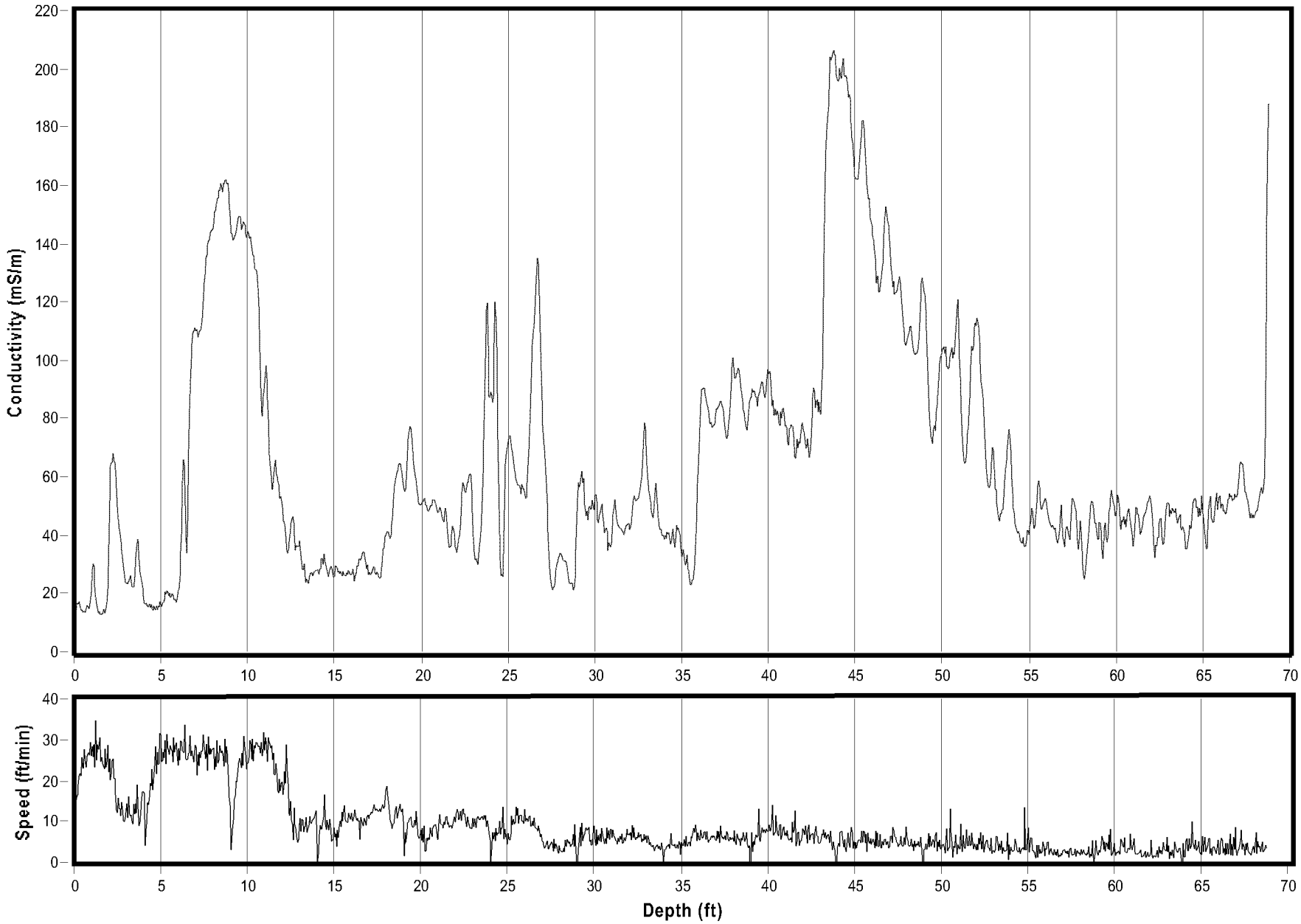
LOG: C:\Dirim95\logfiles\B18_EC0096.DAT



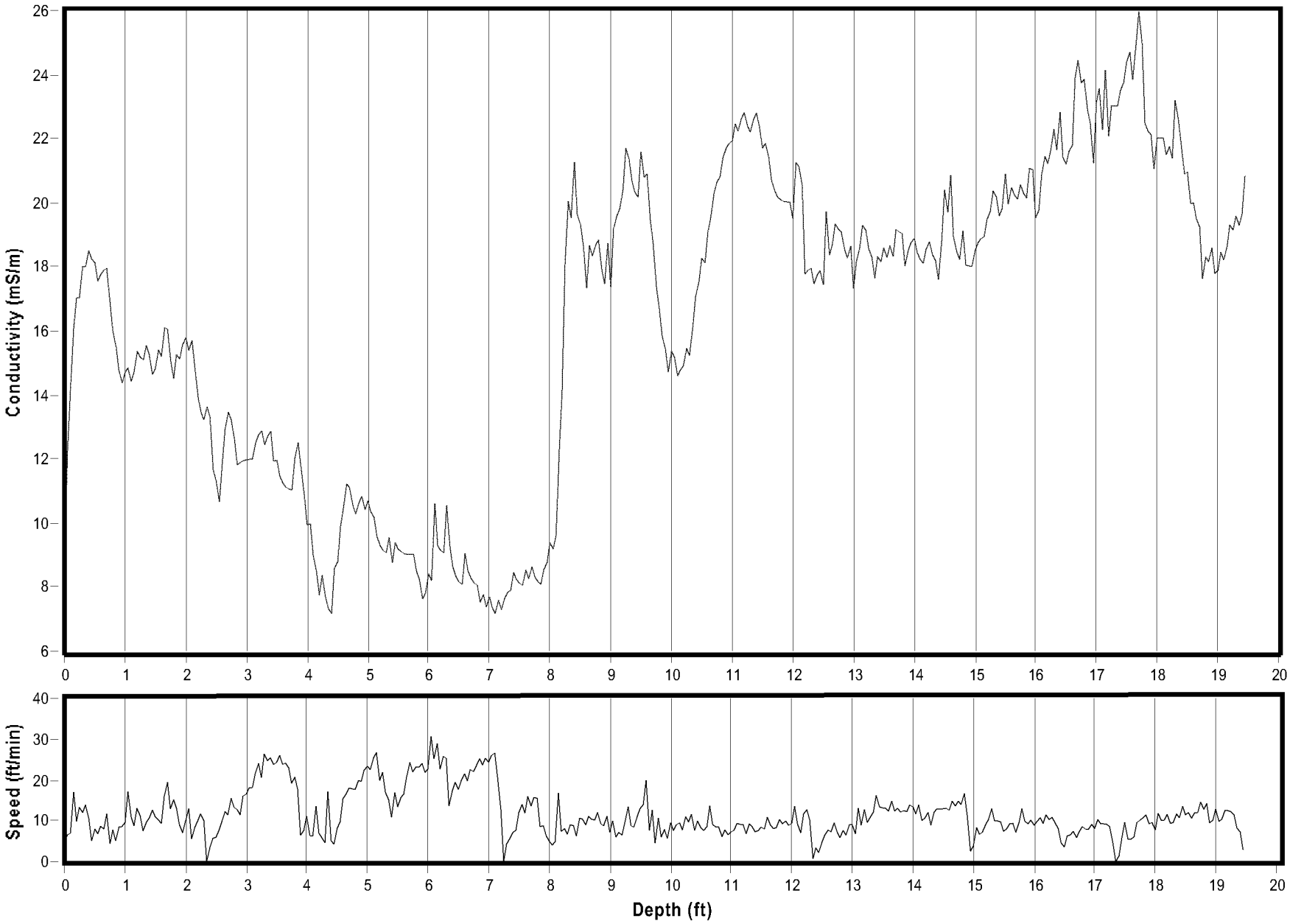
Electrical Conductivity (EC) Log B19



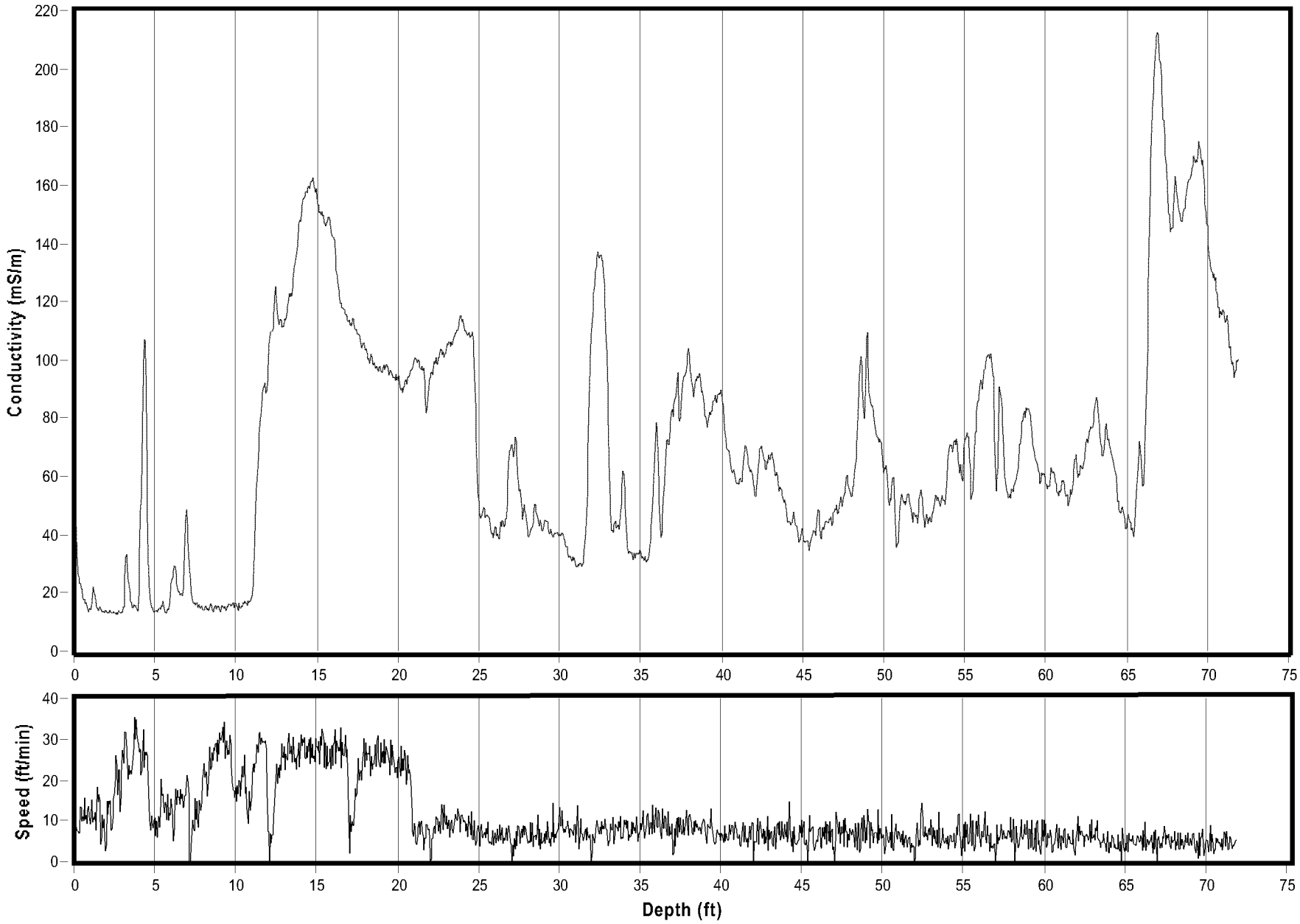
Electrical Conductivity (EC) Log B20



Electrical Conductivity (EC) Log B21



Electrical Conductivity (EC) Log B22



WELL CONSTRUCTION DIAGRAMS

RGA
ENVIRONMENTAL

1466 - 66th Street, Emeryville, CA 94608
Fax: 510-834-0152 Tel: 510-658-4363
Email: RGAEnv@aol.com

WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 0387

PROJECT NAME 2100 Franklin Ave

COUNTY Alameda

WELL PERMIT NO. W2006-0718

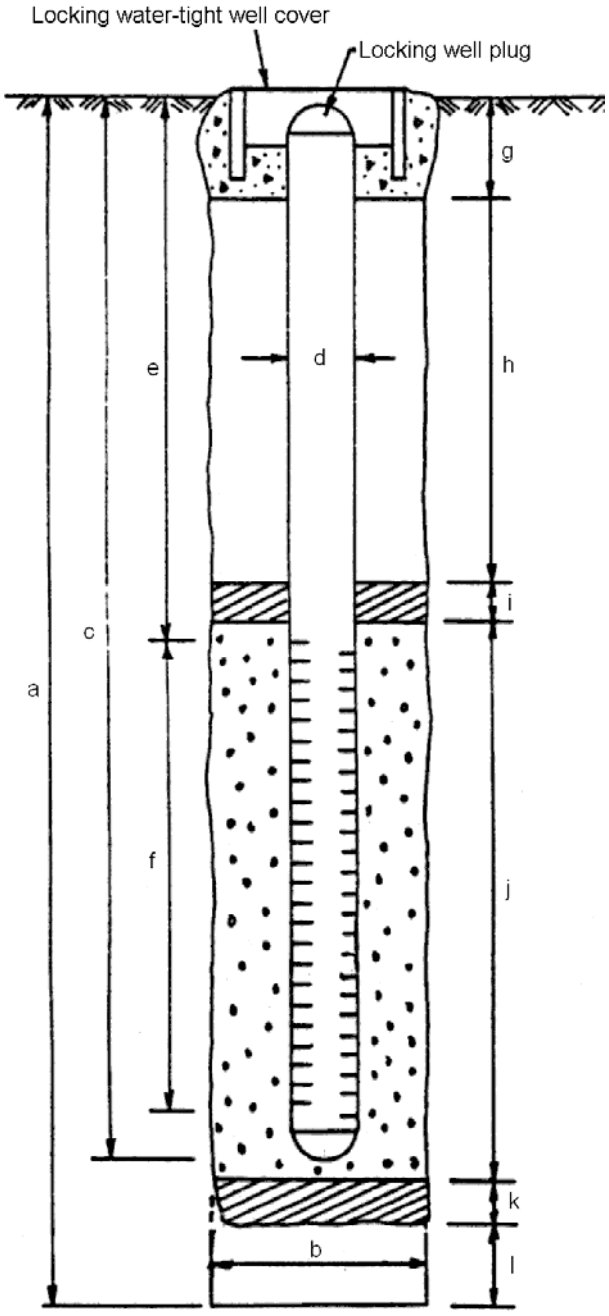
BORING/WELL NO. MW1

TOP OF CASING ELEV. N/A

GROUND SURFACE ELEVATION N/A

DATUM None

DATE(S) CONSTRUCTED 8/15/2006



EXPLORATORY BORING

a. Total depth 13 ft.
b. Diameter 8 in.
Drilling method Hollow Stem Auger

WELL CONSTRUCTION

c. Casing length 13 ft.
d. Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top of perforations 5 ft.
f. Perforated length 8 ft.
Perforated interval from 5 to 13 ft.
Perforation type Factory Slot
Perforation size 0.01 in.
g. Surface sanitary seal 1 ft.
Seal material Neat Cement Grout
h. Sanitary seal 2 ft.
Seal material Neat Cement Grout
i. Filter pack seal 1 ft.
Seal material Bentonite Pellet
j. Filter pack length 9 ft.
Filter pack interval from 4 to 13 ft.
Pack material #2/16 RMC Pacific Materials Sack Sand
k. Bottom seal 0 ft.
Seal material None
l. Sluff in bottom of borehole 0 ft.

RGA
ENVIRONMENTAL

1466 - 66th Street, Emeryville, CA 94608
Fax: 510-834-0152 Tel: 510-658-4363
Email: RGAEnv@aol.com

WELL CONSTRUCTION DIAGRAM

PROJECT NUMBER 0387

PROJECT NAME 2100 Franklin Ave

COUNTY Alameda

WELL PERMIT NO. W2006-0719

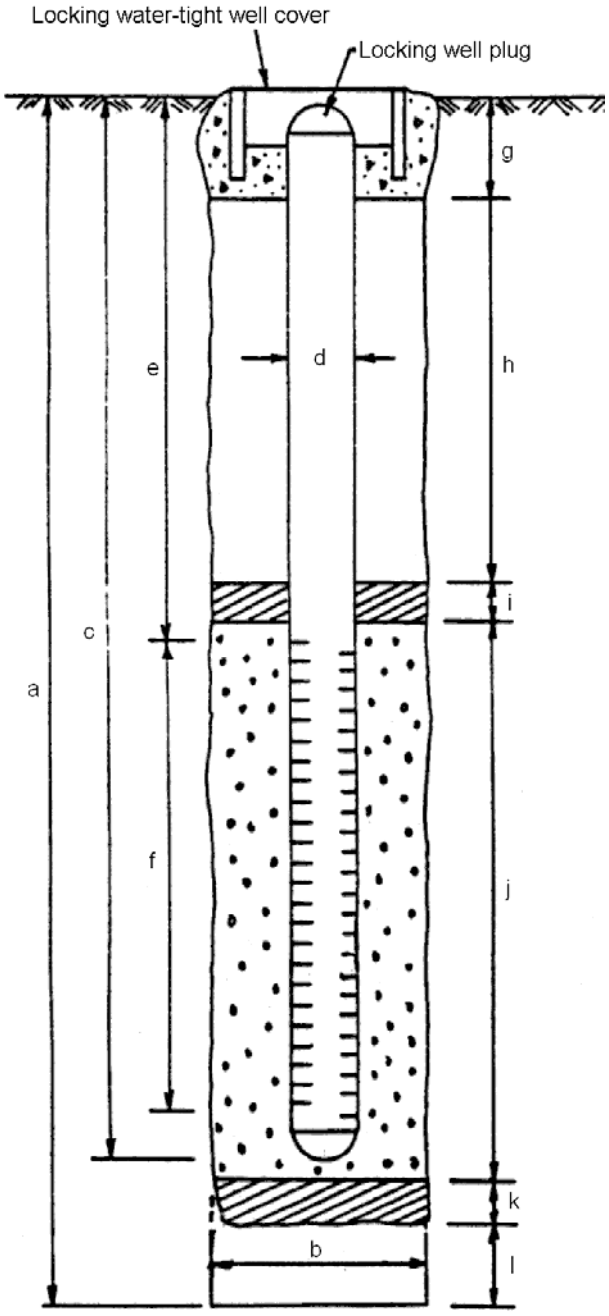
BORING/WELL NO. MW2

TOP OF CASING ELEV. N/A

GROUND SURFACE ELEVATION N/A

DATUM None

DATE(S) CONSTRUCTED 8/15/2006



EXPLORATORY BORING

a. Total depth 13 ft.
b. Diameter 8 in.
Drilling method Hollow Stem Auger

WELL CONSTRUCTION

c. Casing length 13 ft.
d. Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top of perforations 5 ft.
f. Perforated length 8 ft.
Perforated interval from 5 to 13 ft.
Perforation type Factory Slot
Perforation size 0.01 in.
g. Surface sanitary seal 1 ft.
Seal material Neat Cement Grout
h. Sanitary seal 2 ft.
Seal material Neat Cement Grout
i. Filter pack seal 1 ft.
Seal material Bentonite Pellet
j. Filter pack length 9 ft.
Filter pack interval from 4 to 13 ft.
Pack material #2/16 RMC Pacific Materials Sack Sand
k. Bottom seal 0 ft.
Seal material None
l. Sluff in bottom of borehole 0 ft.

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Lab Work Order No. 0605496 for samples T1,T2 (Soil)
Lab Work Order No. 0607547 for samples B3-B6 (Soil)
Lab Work Order No. 0608290 for samples C1,C2 (Soil)

Lab Work Order No. 0605499 for sample B1 (Water)
Lab Work Order No. 0606126 for samples B7-B12 (Water)
Lab Work Order No. 0608291 for samples C1-C3 (Water)
Lab Work Order No. 0611208 for sample B13 (Water)
Lab Work Order No. 0702060 for samples B14,B15,B18 (Water)
Lab Work Order No. 0611337 for samples B16,B17 (Water)
Lab Work Order No. 0611360 for sample B17-34 (Water)
Lab Work Order No. 0703505 for samples B19-B22 (Water)

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13945; 2100 Franklin St.	Date Sampled: 05/23/06
		Date Received: 05/23/06
	Client Contact: Eric Olson	Date Extracted: 05/23/06
	Client P.O.:	Date Analyzed: 05/23/06-05/24/06

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

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0605496

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0605496-001A	T1-0.0	S	7300,m	5700	100	105
0605496-002A	T2-0.0	S	170,m	150	2	108
0605496-003A	T1-2.0	S	990,m	880	20	104
0605496-004A	T2-2.0	S	780,m	690	20	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* 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 (asphalt?); 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/jet fuel; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13945; 2100 Franklin St.	Date Sampled: 05/23/06
		Date Received: 05/23/06
	Client Contact: Eric Olson	Date Extracted: 05/23/06
	Client P.O.:	Date Analyzed: 05/23/06-05/24/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0605496

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	T1-0.0	S	300,g	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	100	89
002A	T2-0.0	S	9.7,g	ND	ND	ND	ND	ND	1	81
003A	T1-2.0	S	10,g	ND	ND	ND	ND	ND	1	107
004A	T2-2.0	S	6.9,g	ND	ND	ND	ND	ND	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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) value derived using a client specified carbon range; o) results are reported on a dry weight basis.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0605496

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 21858	Spiked Sample ID: 0605496-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	780	20	NR	NR	NR	91.2	89.9	1.42	70 - 130	70 - 130
%SS:	105	50	104	109	4.11	100	99	0.854	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 21858 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605496-001A	5/23/06	5/23/06	5/23/06 11:12 PM	0605496-002A	5/23/06	5/23/06	5/24/06 1:28 AM
0605496-003A	5/23/06	5/23/06	5/24/06 3:44 AM	0605496-004A	5/23/06	5/23/06	5/24/06 7:12 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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0605496

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 21820	Spiked Sample ID: 0605478-002A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	97.9	103	4.94	107	104	2.91	70 - 130	70 - 130
MTBE	ND	0.10	108	102	6.03	111	96.8	13.3	70 - 130	70 - 130
Benzene	ND	0.10	99	95.5	3.52	97	88.7	8.91	70 - 130	70 - 130
Toluene	ND	0.10	97.7	95.4	2.42	97	89.8	7.65	70 - 130	70 - 130
Ethylbenzene	ND	0.10	96.3	96.2	0.154	98	92	6.35	70 - 130	70 - 130
Xylenes	ND	0.30	89.3	94	5.09	95	90	5.41	70 - 130	70 - 130
%SS:	92	0.10	106	103	3.63	103	97.4	5.21	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 21820 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605496-001A	5/23/06	5/23/06	5/23/06 11:40 PM	0605496-002A	5/23/06	5/23/06	5/24/06 7:53 AM
0605496-003A	5/23/06	5/23/06	5/24/06 1:24 PM	0605496-004A	5/23/06	5/23/06	5/24/06 1:57 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0605496 **ClientID: RGAE** **EDF: NO**

Report to:
Eric Olson
RGA Environmental
1466 66th Street
Emeryville, CA 94608
TEL: (510) 547-7771
FAX: (510) 547-1983
ProjectNo: #BRT13945; 2100 Franklin St.
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: **05/23/2006**
Date Printed: **05/23/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0605496-001	T1-0.0	Soil	5/23/06	☐	A	A										
0605496-002	T2-0.0	Soil	5/23/06	☐	A	A										
0605496-003	T1-2.0	Soil	5/23/06	☐	A	A										
0605496-004	T2-2.0	Soil	5/23/06	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

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.

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

pgal 060054496

CHAIN OF CUSTODY RECORD

RUSH

PAGE 1 OF 1

PROJECT NUMBER: BRT13945

PROJECT NAME: 2100 Franklin St.

SAMPLED BY: (PRINTED AND SIGNATURE) Eric Olsen

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-Mult. ranges	MBTEX by 8021B	PRESERVATIVE	REMARKS
T1-0.0	5-23-06		SOIL	UST Pit	1	X	X	ICE	24 Hour RUSH
T2-0.0	"		"	" "	1	X	X	"	" " "
T1-2.0	"		"	" "	1	X	X	"	" " "
T2-2.0	"		"	" "	1	X	X	"	" " "

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 4	LABORATORY: McCampbell Analytical
	5-23-06	9:13		TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 4	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (925) 798-1620
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (✓)NO	
			REMARKS:		

page 0607541

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 0387

PROJECT NAME: 2100 Franklin St.

SAMPLED BY: (PRINTED AND SIGNATURE) D. M. Gibbs [signature]

ANALYSIS(ES): TPH-mo/diesel (8015); TPH-G (8021); MBTEX (8021)

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	TPH-mo/diesel (8015)	TPH-G (8021)	MBTEX (8021)				PRESERVATIVE	REMARKS
B3-3.0	7/20/06	1512	Soil	Borehole closest to UST pit	1	✓	✓	✓				Ice	48hr RUSH
B4-3.0	↓	1447	↓	" " " "	1	✓	✓	✓				↓	↓
B5-3.0	↓	1405	↓	Borehole farthest from UST pit	1	✓	✓	✓				↓	↓
B6-3.0	↓	1435	↓	" " " "	1	✓	✓	✓				↓	↓

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION: VOAS | O&G | METALS | OTHER

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 4
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 4

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
[signature]	7/31/06	1230	[signature]
[signature]	7/31/06	4:30pm	[signature]
			RECEIVED FOR LABORATORY BY: (SIGNATURE)

LABORATORY: McCampbell Analytical

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (925) 252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO

REMARKS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0607547 **ClientID: RGAE** **EDF: NO**

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
Email:
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387; 2100 Franklin St.
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: **2 days**

Date Received: **07/31/2006**
Date Printed: **07/31/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0607547-001	B3-3.0	Soil	7/20/06 3:12:00 PM	☐	A	A										
0607547-002	B4-3.0	Soil	7/20/06	☐	A	A										
0607547-003	B5-3.0	Soil	7/20/06	☐	A	A										
0607547-004	B6-3.0	Soil	7/20/06	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

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.

McCampbell Analytical, Inc.
"When Quality Counts"

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

RGA Environmental	Client Project ID: #0387; 2100 Franklin St.	Date Sampled: 07/20/06
1466 66th Street		Date Received: 07/31/06
Emeryville, CA 94608	Client Contact: Paul King	Date Extracted: 07/31/06
	Client P.O.:	Date Analyzed 08/01/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0607547

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B3-3.0	S	11,g	ND	ND	ND	ND	ND	1	92
002A	B4-3.0	S	26,g	ND	ND	ND	ND	ND	1	90
003A	B5-3.0	S	1.4,g	ND	ND	ND	ND	ND	1	96
004A	B6-3.0	S	6.0,g	ND	ND	ND	ND	ND	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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) value derived using a client specified carbon range; o) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; 2100 Franklin St.	Date Sampled: 07/20/06
		Date Received: 07/31/06
	Client Contact: Paul King	Date Extracted: 07/31/06
	Client P.O.:	Date Analyzed 07/31/06-08/01/06

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

Extraction method SW3550C Analytical methods SW8015C Work Order: 0607547

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0607547-001A	B3-3.0	S	1100,m	1100	10	101
0607547-002A	B4-3.0	S	1800,m	1500	20	87
0607547-003A	B5-3.0	S	300,g,b	380	10	81
0607547-004A	B6-3.0	S	740,m	660	10	80

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* 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 (asphalt?); 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/jet fuel; l) bunker oil; m)

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0607547

EPA Method: SW8021B/8015Cm	Extraction: SW5030B	BatchID: 22915	Spiked Sample ID 0607536-017a

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	103	108	5.11	104	100	3.64	70 - 130	70 - 130
MTBE	ND	0.10	97.7	99.5	1.85	91.5	97.1	5.92	70 - 130	70 - 130
Benzene	ND	0.10	91.4	94.6	3.42	91	94.6	3.79	70 - 130	70 - 130
Toluene	ND	0.10	90.2	95.9	6.19	79.6	83.1	4.22	70 - 130	70 - 130
Ethylbenzene	ND	0.10	97.2	101	4.31	96.1	101	4.55	70 - 130	70 - 130
Xylenes	ND	0.30	90.3	95.3	5.39	90.3	95	5.04	70 - 130	70 - 130
%SS:	83	0.10	97	95	2.08	94	98	4.17	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 22915 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607547-001A	7/20/06 3:12 PM	7/31/06	8/01/06 5:22 AM	0607547-002A	7/20/06	7/31/06	8/01/06 6:22 AM
0607547-003A	7/20/06	7/31/06	8/01/06 6:52 AM	0607547-004A	7/20/06	7/31/06	8/01/06 7:51 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0607547

EPA Method SW8015C	Extraction SW3550C				BatchID: 22896			Spiked Sample ID 0607518-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	1.3	20	117	117	0	111	110	0.730	70 - 130	70 - 130
%SS:	99	50	103	103	0	103	102	0.806	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 22896 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607547-001A	7/20/06 3:12 PM	7/31/06	7/31/06 9:55 PM	0607547-002A	7/20/06	7/31/06	8/01/06 2:29 AM
0607547-003A	7/20/06	7/31/06	8/01/06 4:47 AM	0607547-004A	7/20/06	7/31/06	7/31/06 9:55 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.

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Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

Rgae 060822/10

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
0387/BRT	Brandywine Realty Trust-Oakland

SAMPLED BY: (PRINTED AND SIGNATURE) Paul H. King Paul H. King

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH multi Range	MBTEX by 8021B	PCBs 8/22/06 24hr			PRESERVATIVE	REMARKS
C1-3.0	8/11/06		Soil		1	X	X	X			ICE	Normal Turn Around
C2-3.0	8/11/06		"		1	X	X	X			"	" " "

RELINQUISHED BY: (SIGNATURE) Paul H. King	DATE 8/11	TIME 9:17	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 2	LABORATORY: McCampbell Analytical,
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 2	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (925) 252-9262
				SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO	

REMARKS:

ICE/T° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0608290 **ClientID: RGAE** **EDF: NO**

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
Email:
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387; BRT; Brandywine Reality Trust-
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: **5 days**

Date Received: **08/11/2006**
Date Printed: **08/11/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0608290-001	C1-3.0	Soil	8/11/06	☐	A	A										
0608290-002	C2-3.0	Soil	8/11/06	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	TPH(DMO)_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.

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; BRT; Brandywine Reality Trust- Oakland	Date Sampled: 08/11/06
		Date Received: 08/11/06
	Client Contact: Paul King	Date Extracted: 08/22/06
	Client P.O.:	Date Analyzed: 08/22/06

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3550C Analytical Method: SW8082A Work Order: 0608290

					Reporting Limit for DF =1	
Lab ID	0608290-001A	0608290-002A				
Client ID	C1-3.0	C2-3.0				
Matrix	S	S				
DF	1	1			S	W
Compound	**Concentration**				mg/kg	ug/L
Aroclor1016	ND	ND			0.025	NA
Aroclor1221	ND	ND			0.025	NA
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			0.025	NA
PCBs, total	ND	ND			0.025	NA
Surrogate Recoveries (%)						
%SS:	103	113				
Comments		o				

* 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.

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RGA Environmental	Client Project ID: #0387; BRT; Brandywine Reality Trust- Oakland	Date Sampled: 08/11/06
1466 66th Street		Date Received: 08/11/06
Emeryville, CA 94608	Client Contact: Paul King	Date Extracted: 08/11/06
	Client P.O.:	Date Analyzed 08/13/06-08/16/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0608290

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	C1-3.0	S	ND	ND	ND	ND	ND	ND	1	82
002A	C2-3.0	S	4.2,g	ND	ND	ND	ND	ND	1	98
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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) value derived using a client specified carbon range; o) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; BRT; Brandywine Reality Trust- Oakland	Date Sampled: 08/11/06
		Date Received: 08/11/06
	Client Contact: Paul King	Date Extracted: 08/11/06
	Client P.O.:	Date Analyzed 08/13/06

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

Extraction method SW3550C Analytical methods SW8015C Work Order: 0608290

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0608290-001A	C1-3.0	S	1.2,b	ND	1	97
0608290-002A	C2-3.0	S	340,g,b	430	20	80

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* 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 (asphalt?); 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/jet fuel; l) bunker oil; m)

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QC SUMMARY REPORT FOR SW8082A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0608290

EPA Method SW8082A	Extraction SW3550C				BatchID: 23291			Spiked Sample ID 0608431-011A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
PCBs, total	ND	0.075	89.7	86.7	3.30	93.4	92	1.54	70 - 130	70 - 130
%SS:	100	0.050	88	88	0	88	88	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 23291 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608290-001A	8/11/06	8/22/06	8/22/06 4:30 PM	0608290-002A	8/11/06	8/22/06	8/22/06 5:28 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 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0608290

EPA Method SW8021B/8015Cm	Extraction SW5030B	BatchID: 23179	Spiked Sample ID 0608292-002A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	0.60	114	106	7.57	117	116	0.868	70 - 130	70 - 130
MTBE	ND	0.10	85.7	81.1	5.52	81.5	87.1	6.66	70 - 130	70 - 130
Benzene	ND	0.10	105	102	3.32	105	108	2.86	70 - 130	70 - 130
Toluene	ND	0.10	105	101	3.19	104	108	3.23	70 - 130	70 - 130
Ethylbenzene	ND	0.10	110	106	3.72	109	112	2.10	70 - 130	70 - 130
Xylenes	ND	0.30	113	110	2.99	110	110	0	70 - 130	70 - 130
%SS:	82	0.10	84	87	3.51	92	85	7.91	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 23179 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608290-001A	8/11/06	8/11/06	8/13/06 11:06 PM	0608290-002A	8/11/06	8/11/06	8/16/06 5:33 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0608290

EPA Method SW8015C	Extraction SW3550C				BatchID: 23183			Spiked Sample ID 0608285-016A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	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
0608290-001A	8/11/06	8/11/06	8/13/06 11:40 AM	0608290-002A	8/11/06	8/11/06	8/13/06 1:01 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.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

RGA Environmental	Client Project ID: #BRT13945; 2100 Franklin	Date Sampled: 05/23/06
1466 66th Street		Date Received: 05/23/06
Emeryville, CA 94608	Client Contact: Eric Olson	Date Extracted: 05/24/06
	Client P.O.:	Date Analyzed: 05/24/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0605499

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B1-Water	W	54,g,h	ND	ND	ND	ND	ND	1	108

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13945; 2100 Franklin	Date Sampled: 05/23/06
		Date Received: 05/23/06
	Client Contact: Eric Olson	Date Extracted: 05/23/06
	Client P.O.:	Date Analyzed 05/23/06

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0605499

					Reporting Limit for DF =1	
Lab ID	0605499-001B					
Client ID	B1-Water					
Matrix	W					
DF	10				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	96,000				NA	50
TPH(d)	64,000,b,g,h				NA	50
TPH(mo)	57,000				NA	250
Surrogate Recoveries (%)						
%SS:	102					
Comments	b,g,h					

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see Case Narrative.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0605499

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 21856** **Spiked Sample ID: 0605501-001G**

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
TPH(btex)£	ND	60	105	103	2.21	102	103	1.36	70 - 130	70 - 130
MTBE	ND	10	104	104	0	111	106	4.67	70 - 130	70 - 130
Benzene	ND	10	107	102	5.10	111	106	4.09	70 - 130	70 - 130
Toluene	ND	10	101	95	5.99	104	101	3.02	70 - 130	70 - 130
Ethylbenzene	ND	10	108	102	5.79	110	107	2.99	70 - 130	70 - 130
Xylenes	ND	30	100	95.3	4.78	100	99.7	0.334	70 - 130	70 - 130
%SS:	106	10	103	103	0	107	104	2.92	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 21856 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605499-001A	5/23/06	5/24/06	5/24/06 11:55 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0605499

EPA Method: SW8015C	Extraction: SW3510C	BatchID: 21846	Spiked Sample ID: N/A

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
TPH(d)	N/A	1000	N/A	N/A	N/A	97.9	102	3.87	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	96	99	3.62	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 21846 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0605499-001B	5/23/06	5/23/06	5/23/06 8:55 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 inhomogeneous 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.

DHS Certification No. 1644

QA/QC Officer

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

Page 0605499

CHAIN OF CUSTODY RECORD

RUSH

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
BRT 13945	2100 Franklin St.

SAMPLED BY: (PRINTED AND SIGNATURE)
Eric Olsen

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-Mo(T) GAS & MTBE by 8021B	PRESERVATIVE	REMARKS
1220 B1-water	5-23-06		Water	Borehole in UST Pit	7	X X	ICE	24 Hour Rush

ICE/
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION ✓ (VOAs)

APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

VOAs	O&G	METALS	OTHER
✓			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
E Olsen	5-23-06	5:43	M Vall
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 1
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 7

LABORATORY: McCampbell Analytical
LABORATORY CONTACT: Angela Rydelius
LABORATORY PHONE NUMBER: (925) 798-1620

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

REMARKS: VOAs preserved w/ HCl

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0605499 **ClientID: RGAE** **EDF: NO**

Report to:
Eric Olson
RGA Environmental
1466 66th Street
Emeryville, CA 94608
TEL: (510) 547-7771
FAX: (510) 547-1983
ProjectNo: #BRT13945; 2100 Franklin
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 05/23/2006
Date Printed: 05/23/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0605499-001	B1-Water	Water	5/23/06	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	TPH(DMO)_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

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.

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13979; Brandywine Reality Trust-Oakland	Date Sampled: 06/05/06
		Date Received: 06/06/06
	Client Contact: Paul King	Date Reported: 06/07/06
	Client P.O.:	Date Completed: 06/07/06

WorkOrder: 0606126

June 07, 2006

Dear Paul:

Enclosed are:

1). the results of **6** analyzed samples from your **#BRT13979; Brandywine Reality Trust-Oakland 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

McCampbell Analytical, Inc.

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13979; Brandywine Reality Trust-Oakland	Date Sampled: 06/05/06-06/06/06
		Date Received: 06/06/06
	Client Contact: Paul King	Date Extracted: 06/06/06-06/07/06
	Client P.O.:	Date Analyzed: 06/06/06-06/07/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0606126

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B7-Water	W	ND,i	ND	ND	ND	ND	ND	1	104
002A	B8-Water	W	54,b,i	ND	ND	ND	2.4	14	1	101
003A	B9-Water	W	ND,i	ND	ND	ND	ND	0.70	1	103
004A	B10-Water	W	ND,i	ND	ND	ND	ND	ND	1	99
005A	B11-Water	W	ND	ND	ND	ND	ND	ND	1	113
006A	B12-Water	W	ND,i	ND	ND	ND	ND	ND	1	115

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	μg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13979; Brandywine Reality Trust-Oakland	Date Sampled: 06/05/06-06/06/06
		Date Received: 06/06/06
	Client Contact: Paul King	Date Extracted: 06/06/06
	Client P.O.:	Date Analyzed 06/06/06-06/07/06

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0606126

Lab ID	0606126-001B	0606126-002B	0606126-003B	0606126-004B	Reporting Limit for DF =1	
Client ID	B7-Water	B8-Water	B9-Water	B10-Water		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	53,l,p	120	82,l,p	99,l	NA	50
TPH(d)	ND,i	78,f,i	ND,i	ND,i	NA	50
TPH(mo)	ND	ND	ND	ND	NA	250
Surrogate Recoveries (%)						
%SS:	106	107	106	111		
Comments	i	f,i	i	i		

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see Case Narrative.

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13979; Brandywine Reality Trust-Oakland	Date Sampled: 06/05/06
		Date Received: 06/06/06
	Client Contact: Paul King	Date Reported: 06/07/06
	Client P.O.:	Date Completed: 03/29/07

Work Order: 0606126

March 29, 2007

RE: TPH(bo) Results for Lab ID# 0606126-001B & -003B.

We were unable to re-analyze the samples to confirm the TPH(bo) results, because TPH(bo) was requested on 3/23/2007. Therefore, these samples are reported as an estimate.

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #BRT13979; Brandywine Reality Trust-Oakland	Date Sampled: 06/05/06-06/06/06
		Date Received: 06/06/06
	Client Contact: Paul King	Date Extracted: 06/06/06
	Client P.O.:	Date Analyzed 06/06/06-06/07/06

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0606126

Lab ID	0606126-005B	0606126-006B			Reporting Limit for DF =1	
Client ID	B11-Water	B12-Water				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	400	170			NA	50
TPH(d)	200,g,b	60,b,i			NA	50
TPH(mo)	320	ND			NA	250
Surrogate Recoveries (%)						
%SS:	109	105				
Comments	g,b	b,i				

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see Case Narrative.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0606126

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 22053** **Spiked Sample ID: 0606126-001A**

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
TPH(btex)£	ND	60	111	111	0	109	102	5.99	70 - 130	70 - 130
MTBE	ND	10	111	111	0	105	117	10.6	70 - 130	70 - 130
Benzene	ND	10	100	109	8.10	101	108	6.02	70 - 130	70 - 130
Toluene	ND	10	92.4	100	8.09	94.2	99.9	5.89	70 - 130	70 - 130
Ethylbenzene	ND	10	96.9	100	3.45	98.5	107	7.92	70 - 130	70 - 130
Xylenes	ND	30	96	96.3	0.347	91.3	96.3	5.33	70 - 130	70 - 130
%SS:	104	10	102	100	2.61	98	100	2.04	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 22053 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606126-001A	6/05/06	6/06/06	6/06/06 11:48 PM	0606126-002A	6/06/06	6/07/06	6/07/06 12:47 AM
0606126-003A	6/06/06	6/07/06	6/07/06 1:17 AM	0606126-004A	6/06/06	6/07/06	6/07/06 3:16 AM
0606126-005A	6/06/06	6/07/06	6/07/06 4:44 AM	0606126-006A	6/06/06	6/07/06	6/07/06 5:14 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0606126

EPA Method: SW8015C **Extraction: SW3510C** **BatchID: 22054** **Spiked Sample ID: N/A**

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
TPH(d)	N/A	1000	N/A	N/A	N/A	100	103	2.13	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	109	111	1.61	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 22054 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0606126-001B	6/05/06	6/06/06	6/06/06 5:39 PM	0606126-002B	6/06/06	6/06/06	6/06/06 6:52 PM
0606126-003B	6/06/06	6/06/06	6/06/06 8:04 PM	0606126-004B	6/06/06	6/06/06	6/07/06 9:56 AM
0606126-005B	6/06/06	6/06/06	6/06/06 5:53 PM	0606126-006B	6/06/06	6/06/06	6/07/06 9:55 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.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0606126 **ClientID: RGAE** **EDF: NO**

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
TEL: (510) 547-7771
FAX: (510) 547-1983
ProjectNo: #BRT13979; Brandywine Reality Trust-O
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 1 day
Date Received: 06/06/2006
Date Printed: 06/06/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0606126-001	B7-Water	Water	6/5/06	☐	A	B										
0606126-002	B8-Water	Water	6/6/06	☐	A	B										
0606126-003	B9-Water	Water	6/6/06	☐	A	B										
0606126-004	B10-Water	Water	6/6/06	☐	A	B										
0606126-005	B11-Water	Water	6/6/06	☐	A	B										
0606126-006	B12-Water	Water	6/6/06	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	TPH(DMO)_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kathleen Owen

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.

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Emeryville, CA 94608
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paul.king@rgaenv.com

06060126 RGAE

CHAIN OF CUSTODY RECORD

RUSH!

PROJECT NUMBER:	PROJECT NAME:
BRT13949	Brandywine Realty Trust-Oakland

SAMPLED BY: (PRINTED AND SIGNATURE)
Nick Mitchell

	SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-Mult. Ranges	MBTEX by 8021				PRESERVATIVE	REMARKS
+5	B7 - Water	6/5/06		Water		7	X	X					ICE	24 Hr RUSH
+15	B8 - Water	6/6/06		"		7	X	X					"	" " "
+5	B9 - Water	"		"		7	X	X					"	" " "
+2	B10 - Water	"		"		7	X	X					"	" " "
+	B11 - Water	"		"		7	X	X					"	" " "
+5	B12 - Water	"		"		7	X	X					"	" " "

	DATE	TIME			
RELINQUISHED BY: (SIGNATURE)	6/6/06	1430	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT)	6
				TOTAL NO. OF CONTAINERS (THIS SHIPMENT)	42
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (925) 798-1620
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO	

LABORATORY: McCampbell Analytical

ICE/T°
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ____

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓			✓

REMARKS: VOAs preserved with HCl.

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"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

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387/BRT; Brandywine Realty Trust- Oakland	Date Sampled: 08/11/06
		Date Received: 08/11/06
	Client Contact: Paul King	Date Reported: 08/14/06
	Client P.O.:	Date Completed: 08/14/06

WorkOrder: 0608291

August 14, 2006

Dear Paul:

Enclosed are:

1). the results of **3** analyzed samples from your **#0387/BRT; Brandywine Realty Trust- Oakland 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

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RGA Environmental	Client Project ID: #0387/BRT; Brandywine Realty Trust- Oakland	Date Sampled: 08/11/06
1466 66th Street		Date Received: 08/11/06
Emeryville, CA 94608	Client Contact: Paul King	Date Extracted: 08/12/06
	Client P.O.:	Date Analyzed: 08/12/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0608291

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	C1-Water	W	ND,i	ND	ND	ND	ND	ND	1	100
002A	C2-Water	W	ND,i	ND	ND	ND	ND	ND	1	101
003A	C3-Water	W	ND,i	ND	ND	ND	ND	ND	1	103
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387/BRT; Brandywine Realty Trust- Oakland	Date Sampled: 08/11/06
		Date Received: 08/11/06
	Client Contact: Paul King	Date Extracted: 08/11/06
	Client P.O.:	Date Analyzed 08/11/06-08/12/06

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0608291

Lab ID	0608291-001B	0608291-002B	0608291-003B		Reporting Limit for DF =1	
Client ID	C1-Water	C2-Water	C3-Water			
Matrix	W	W	W			
DF	1	1	1		S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	63,l,p	9000	350		NA	50
TPH(d)	ND,i	5700,g,b,i	200,g,b,i		NA	50
TPH(mo)	ND	6400	300		NA	250
Surrogate Recoveries (%)						
%SS:	97	99	96			
Comments	i	g,b,i	g,b,i			

* 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 range(?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see Case Narrative.

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387/BRT; Brandywine Realty Trust- Oakland	Date Sampled: 08/11/06
		Date Received: 08/11/06
	Client Contact: Paul King	Date Reported: 08/14/06
	Client P.O.:	Date Completed: 03/29/07

Work Order: 0608291

March 29, 2007

RE: TPH(bo) Result for Lab ID# 0608291-001B.

We were unable to re-analyze this sample to confirm the TPH(bo) result, because TPH(bo) was requested on 3/23/2007. Therefore, this sample is reported as an estimate.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0608291

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 23186** **Spiked Sample ID: 0608295-002A**

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
TPH(btex) £	ND	60	101	101	0	107	113	5.16	70 - 130	70 - 130
MTBE	ND	10	95.4	93.2	2.34	111	104	6.54	70 - 130	70 - 130
Benzene	ND	10	107	103	3.83	103	97.1	5.78	70 - 130	70 - 130
Toluene	ND	10	98.8	90.8	8.45	99.4	93.5	6.15	70 - 130	70 - 130
Ethylbenzene	ND	10	106	105	0.545	105	99.5	5.53	70 - 130	70 - 130
Xylenes	ND	30	96.7	96	0.692	100	96	4.08	70 - 130	70 - 130
%SS:	102	10	107	105	1.54	102	99	2.17	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 23186 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608291-001A	8/11/06	8/12/06	8/12/06 11:11 AM	0608291-002A	8/11/06	8/12/06	8/12/06 10:11 AM
0608291-003A	8/11/06	8/12/06	8/12/06 11:41 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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.

DHS ELAP Certification N° 1644

JR QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0608291

EPA Method: SW8015C	Extraction: SW3510C	BatchID: 23164	Spiked Sample ID: N/A

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
TPH(d)	N/A	1000	N/A	N/A	N/A	101	101	0	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	86	86	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 23164 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608291-001B	8/11/06	8/11/06	8/11/06 11:12 PM	0608291-002B	8/11/06	8/11/06	8/12/06 12:21 AM
0608291-003B	8/11/06	8/11/06	8/12/06 1:30 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.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0608291 **ClientID: RGAE** **EDF: NO**

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387/BRT; Brandywine Realty Trust- O
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 1 day

Date Received: 08/11/2006
Date Printed: 08/11/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0608291-001	C1-Water	Water	8/11/06	☐	A	B										
0608291-002	C2-Water	Water	8/11/06	☐	A	B										
0608291-003	C3-Water	Water	8/11/06	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	TPH(DMO)_W	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.

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

Rgae 0608291

RUSH

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 0387 / BRT

PROJECT NAME: Brandywine Realty Trust - Oakland

SAMPLED BY: (PRINTED AND SIGNATURE) Paul H. King / Paul H. King

	SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-Multi Range	MBTEX by 8021B					PRESERVATIVE	REMARKS
+10	C1-Water	8/11/06		Water		7	X	X					ICE	24 Hour RUSH
+10	C2-Water	"		"		7	X	X					"	" " "
+10	C3-Water	"		"		7	X	X					"	" " "

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
Paul H. King	8/11	9:34am	[signature]
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 3

TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 21

LABORATORY: McCampbell Analytical

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (925) 252-9269

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

REMARKS:

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
VOAS | O&G | METALS | OTHER
PRESERVATION

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #0387; 2100 Franklin St.	Date Sampled: 11/08/06
1466 66th Street		Date Received: 11/09/06
Emeryville, CA 94608	Client Contact: Eric Olson	Date Reported: 11/15/06
	Client P.O.:	Date Completed: 11/15/06

WorkOrder: 0611208

November 15, 2006

Dear Eric:

Enclosed are:

1). the results of **2** analyzed samples from your **#0387; 2100 Franklin St. 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

RGA
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
0387	2100 Franklin St.

SAMPLED BY: (PRINTED AND SIGNATURE)
Eric Olson

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH Multirange	BTEX					PRESERVATIVE	REMARKS
B13-28W x50	11-8-06		Water		5	X	X					ICE	Normal Turnaround
B13-41W x5	"		"		7	X	X						" "

RELINQUISHED BY: (SIGNATURE) — DATE 11/8/06 — TIME 215 — RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE 11/9/06 — TIME 815 — RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE — TIME — RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 2
TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 12

LABORATORY: McCampbell Analytical

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (925) 252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (✓)NO

REMARKS:

PRESERVATION	VOAS	O&G	METALS	OTHER
GOOD CONDITION				
HEAD SPACE ABSENT				
DECHLORINATED IN LAB				
APPROPRIATE CONTAINERS				
PRESERVED IN LAB				

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0611208 **ClientID: RGAE**

☐ EDF ☐ Fax ☑ Email ☐ HardCop ☐ ThirdPart

Report to:
Eric Olson
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:
TEL: (510) 547-777 FAX: (510) 547-198
ProjectNo: #0387; 2100 Franklin St.
PO:

Bill t
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: 5 days

Date Received **11/09/2006**
Date Printed: **11/09/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0611208-001	B13-28W	Water	11/8/2006	☐	A	B										
0611208-002	B13-41W	Water	11/8/2006	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	TPH(DMO)_W	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.

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #0387; 2100 Franklin St.	Date Sampled: 11/08/06
1466 66th Street		Date Received: 11/09/06
Emeryville, CA 94608	Client Contact: Eric Olson	Date Extracted: 11/10/06-11/14/06
	Client P.O.:	Date Analyzed 11/10/06-11/14/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0611208

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B13-28W	W	ND,i	ND	ND	ND	ND	ND	1	94
002A	B13-41W	W	ND,i	ND	ND	ND	ND	ND	1	101

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; 2100 Franklin St.	Date Sampled: 11/08/06
		Date Received: 11/09/06
	Client Contact: Eric Olson	Date Extracted: 11/09/06
	Client P.O.:	Date Analyzed 11/15/06

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0611208

					Reporting Limit for DF =1	
Lab ID	0611208-001B	0611208-002B				
Client ID	B13-28W	B13-41W				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	1300	150,l			NA	50
TPH(d)	150,g,b,i	ND,i			NA	50
TPH(mo)	890	ND			NA	250
Surrogate Recoveries (%)						
%SS:	103	92				
Comments	g,b,i	i				

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0611208

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 24728 Spiked Sample ID: 0611206-005A

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	106	101	3.90	103	100	2.60	70 - 130	30	70 - 130	30
MTBE	ND	10	91.2	92.3	1.24	91.3	87.8	3.97	70 - 130	30	70 - 130	30
Benzene	ND	10	99.8	101	1.40	97.2	98.1	0.903	70 - 130	30	70 - 130	30
Toluene	ND	10	94.6	95.1	0.575	90.7	91.3	0.696	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	98.7	96.7	2.11	97.5	96.2	1.35	70 - 130	30	70 - 130	30
Xylenes	ND	30	90.3	91	0.735	90	89.7	0.371	70 - 130	30	70 - 130	30
%SS:	117	10	109	107	1.47	104	105	0.374	70 - 130	30	70 - 130	30

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

NONE

BATCH 24728 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611208-001	11/08/06	11/14/06	11/14/06 6:15 AM	0611208-002	11/08/06	11/10/06	11/10/06 9:17 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.

£ TPH(btex) = sum of BTEX areas from the FID.

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0611208

EPA Method SW8015C **Extraction SW3510C** **BatchID: 24705** **Spiked Sample ID: N/A**

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	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	111	114	3.48	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	107	109	1.92	N/A	N/A	70 - 130	30

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

NONE

BATCH 24705 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611208-001	11/08/06	11/09/06	11/15/06 2:59 AM	0611208-002	11/08/06	11/09/06	11/15/06 5:48 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.

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387 BRT15635; 2100 Franklin St.	Date Sampled: 01/30/07
		Date Received: 02/02/07
	Client Contact: Ferndinand Oberle	Date Reported: 02/08/07
	Client P.O.:	Date Completed: 02/08/07

WorkOrder: 0702060

February 08, 2007

Dear Ferndinand:

Enclosed are:

1). the results of **6** analyzed samples from your **#0387 BRT15635; 2100 Franklin St. 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

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

RGAE 0702060

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER: 0387 BRT15635

PROJECT NAME: 2100 Franklin St.

SAMPLED BY: (PRINTED AND SIGNATURE) FERDINAND OBERLE

	SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-M/Diesel	MBTEX					PRESERVATIVE	REMARKS
+2	B14-27W	01.30.07		Water		6	X	X					Ice	~~HCl in VOA's only~~ ↑
+2	B14-56W	02.01.07		Water		7	X	X						NORMAL TAT
+2	B15-30W	02.01.07		Water		6	X	X						"
+1	B15-60W	02.01.07		Water		7	X	X						"
+6	B18-25W	02.01.07		Water		6	X	X						"
+10	B18-59W	02.01.07		Water		7	X	X						"

ICE/T ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ____
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ____

PRESERVATION: VOAS ✓ | O&G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 6 / TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 39	LABORATORY: McCampbell Lab.
Ferdinand Oberle	02.02.07	205			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (925) 252-9262
	2/2/07	300			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO	

REMARKS: Normal TAT on all samples; VOA's preserved w/ HCl

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387 BRT15635; 2100 Franklin St. Client Contact: Ferndinand Oberle Client P.O.:	Date Sampled: 01/30/07-02/01/07 Date Received: 02/02/07 Date Extracted: 02/06/07 Date Analyzed: 02/06/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0702060

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B14-27W	W	ND	ND	ND	0.61	ND	ND	1	107
002A	B14-56W	W	ND	ND	ND	ND	ND	ND	1	105
003A	B15-30W	W	ND	ND	ND	0.90	ND	1.9	1	111
004A	B15-60W	W	ND	ND	ND	0.65	ND	1.0	1	110
005A	B18-25W	W	ND	ND	ND	ND	ND	ND	1	107
006A	B18-59W	W	ND	ND	ND	ND	ND	ND	1	107

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387 BRT15635; 2100 Franklin St.	Date Sampled: 01/30/07-02/01/07
		Date Received: 02/02/07
	Client Contact: Ferndinand Oberle	Date Extracted: 02/02/07
	Client P.O.:	Date Analyzed: 02/06/07

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0702060

Lab ID	0702060-001B	0702060-002B	0702060-003B	0702060-004B	Reporting Limit for DF =1	
Client ID	B14-27W	B14-56W	B15-30W	B15-60W		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	650	230,l	680	290	NA	50
TPH(d)	86,g,f	ND	68,g	63,b	NA	50
TPH(mo)	560	ND	630	ND	NA	250
Surrogate Recoveries (%)						
%SS:	104	100	100	100		
Comments	g,f		g	b		

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387 BRT15635; 2100 Franklin St.	Date Sampled: 01/30/07-02/01/07
		Date Received: 02/02/07
	Client Contact: Ferndinand Oberle	Date Extracted: 02/02/07
	Client P.O.:	Date Analyzed: 02/06/07

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0702060

Lab ID	0702060-005B	0702060-006B			Reporting Limit for DF =1	
Client ID	B18-25W	B18-59W				
Matrix	W	W				
DF	2	1			S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	2700	240			NA	50
TPH(d)	340,g	69,b			NA	50
TPH(mo)	2400	ND			NA	250
Surrogate Recoveries (%)						
%SS:	103	94				
Comments	g	b				

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0702060

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 26072				Spiked Sample ID: 0702056-015A			
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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	107	97.6	9.51	106	105	0.836	70 - 130	30	70 - 130	30
MTBE	ND	10	87.3	96.1	9.65	90.6	76.4	17.0	70 - 130	30	70 - 130	30
Benzene	ND	10	103	107	4.23	103	108	4.45	70 - 130	30	70 - 130	30
Toluene	ND	10	93.4	97.3	4.09	93.4	97.8	4.62	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	103	99.1	3.46	102	107	5.18	70 - 130	30	70 - 130	30
Xylenes	ND	30	100	96.7	3.39	96.7	107	9.84	70 - 130	30	70 - 130	30
%SS:	93	10	100	99	1.43	99	105	5.75	70 - 130	30	70 - 130	30

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

NONE

BATCH 26072 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0702060-001	1/30/07	2/06/07	2/06/07 6:38 AM	0702060-002	2/01/07	2/06/07	2/06/07 7:07 AM
0702060-003	2/01/07	2/06/07	2/06/07 8:06 AM	0702060-004	2/01/07	2/06/07	2/06/07 9:06 AM
0702060-005	2/01/07	2/06/07	2/06/07 9:35 AM	0702060-006	2/01/07	2/06/07	2/06/07 10:35 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0702060

EPA Method SW8015C	Extraction SW3510C	BatchID: 26074	Spiked Sample ID: N/A

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	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	111	112	0.995	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	102	96	6.20	N/A	N/A	70 - 130	30

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

NONE

BATCH 26074 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0702060-001	1/30/07	2/02/07	2/06/07 2:21 AM	0702060-002	2/01/07	2/02/07	2/06/07 3:29 AM
0702060-003	2/01/07	2/02/07	2/06/07 4:38 AM	0702060-004	2/01/07	2/02/07	2/06/07 5:46 AM
0702060-005	2/01/07	2/02/07	2/06/07 6:55 AM	0702060-006	2/01/07	2/02/07	2/06/07 5:46 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.

DHS ELAP Certification N° 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387/BRT 14504	Date Sampled: 11/14/06
		Date Received: 11/15/06
	Client Contact: Paul King	Date Reported: 11/22/06
	Client P.O.:	Date Completed: 11/22/06

WorkOrder: 0611337

November 22, 2006

Dear Paul:

Enclosed are:

1). the results of **2** analyzed samples from your **#0387/BRT 14504 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

RGA Environmental, Inc.
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

CORD

PROJECT NUMBER: 0387/BRT14504

PROJECT NAME: Brandywine Realty Trust

SAMPLED BY: (PRINTED AND SIGNATURE) Eric Olson

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-Multi	MTBE	PRESERVATIVE	REMARKS
B16-25W	11-14-06		water		7	X	X	ICE	Normal Turnaround
B17-41W	"		"		7	X	X	"	"

RELINQUISHED BY: (SIGNATURE) — DATE 11/15 — TIME 2:00 — RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE 11/15 — TIME 3:30 — RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE — TIME — RECEIVED FOR LABORATORY BY: (SIGNATURE)

ICE/t° 2.1°
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER

TOTAL NO. OF SAMPLES (THIS SHIPMENT): 2

TOTAL NO. OF CONTAINERS (THIS SHIPMENT): 14

LABORATORY: McCampbell Analytical

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (925)252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

REMARKS: VOAs preserved w/ HCl

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0611337 **ClientID: RGAE**

☐ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
Email: PDKing0000@aol.com
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387/BRT 14504
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: **5 days**

Date Received: **11/15/2006**
Date Printed: **11/15/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0611337-001	B16-25W	Water	11/14/2006	☐	A	B										
0611337-002	B17-41W	Water	11/14/2006	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	TPH(DMO)_W	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.

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #0387/BRT 14504	Date Sampled: 11/14/06
1466 66th Street		Date Received: 11/15/06
Emeryville, CA 94608	Client Contact: Paul King	Date Extracted: 11/17/06
	Client P.O.:	Date Analyzed: 11/17/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0611337

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B16-25W	W	ND,i	ND	ND	ND	ND	ND	1	103
002A	B17-41W	W	ND,i	ND	ND	ND	ND	ND	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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

RGA Environmental	Client Project ID: #0387/BRT 14504	Date Sampled: 11/14/06
1466 66th Street		Date Received: 11/15/06
Emeryville, CA 94608	Client Contact: Paul King	Date Extracted: 11/15/06
	Client P.O.:	Date Analyzed 11/17/06

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0611337

Lab ID	0611337-001B	0611337-002B			Reporting Limit for DF =1	
Client ID	B16-25W	B17-41W				
Matrix	W	W				
DF	1	1			S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	380	340,l			NA	50
TPH(d)	ND,g,i	ND,i			NA	50
TPH(mo)	250	ND			NA	250
Surrogate Recoveries (%)						
%SS:	102	107				
Comments	g,i	i				

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0611337

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 24787 Spiked Sample ID: 0611321-009A

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	105	106	0.900	102	108	6.26	70 - 130	30	70 - 130	30
MTBE	ND	10	101	98.6	2.62	102	106	4.24	70 - 130	30	70 - 130	30
Benzene	ND	10	98.3	98.1	0.258	95.4	98.5	3.17	70 - 130	30	70 - 130	30
Toluene	ND	10	90.9	90.5	0.477	89.1	91.3	2.37	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	97.4	98.7	1.40	97.9	101	3.30	70 - 130	30	70 - 130	30
Xylenes	ND	30	96.7	96.7	0	92	96.3	4.60	70 - 130	30	70 - 130	30
%SS:	102	10	94	95	1.03	94	96	2.96	70 - 130	30	70 - 130	30

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

NONE

BATCH 24787 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611337-001	11/14/06	11/17/06	11/17/06 6:54 AM	0611337-002	11/14/06	11/17/06	11/17/06 7:24 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.

£ TPH(btex) = sum of BTEX areas from the FID.

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0611337

EPA Method SW8015C **Extraction SW3510C** **BatchID: 24782** **Spiked Sample ID: N/A**

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	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	107	110	2.41	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	104	104	0	N/A	N/A	70 - 130	30

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

NONE

BATCH 24782 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611337-001	11/14/06	11/15/06	1/17/06 11:12 AM	0611337-002	11/14/06	11/15/06	1/17/06 12:19 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.

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; Brandywine Realty Trust	Date Sampled: 11/16/06
		Date Received: 11/16/06
	Client Contact: Paul King	Date Reported: 11/21/06
	Client P.O.:	Date Completed: 11/22/06

WorkOrder: 0611360

November 22, 2006

Dear Paul:

Enclosed are:

1). the results of **1** analyzed sample from your **#0387; Brandywine Realty Trust 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

1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

RGA 0611340

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
0387	Brandywine Realty Trust

SAMPLED BY: (PRINTED AND SIGNATURE)
Steven Carmack

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-mo/diesel	MBTEX					PRESERVATIVE	REMARKS
140 B17-30W	11/16/06	1015	H_2O		#5	X	X					ICE	HOLD ~~Standard TAT~~
+ B17-34W	↓	1030	↓		#7	X	X					↓	Normal Turn Around

ICE/t° 9.9°
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
PRESERVATION ✓ VOAS | O&G | METALS | OTHER

APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	11/16/06	1300	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	11/16/06	1315	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

TOTAL NO. OF SAMPLES (THIS SHIPMENT)
TOTAL NO. OF CONTAINERS (THIS SHIPMENT)

LABORATORY: McCampbell Analytical
LABORATORY CONTACT: Angela Rydelius
LABORATORY PHONE NUMBER: (925) 252-9262
SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO

REMARKS: HCL preservative in VOAs

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0611360 **ClientID: RGAE**

☐ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Paul King
RGA Environmental
1466 66th Street
Emeryville, CA 94608
Email: PDKing0000@aol.com
TEL: (510) 547-7771 FAX: (510) 547-1983
ProjectNo: #0387; Brandywine Realty Trust
PO:

Bill to:
Accounts Payable
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Requested TAT: **5 days**

Date Received: **11/16/2006**
Date Printed: **11/16/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0611360-002	B17-34W	Water	11/16/06 10:30:00	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	TPH(DMO)_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

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.

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Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; Brandywine Realty Trust	Date Sampled: 11/16/06
		Date Received: 11/16/06
	Client Contact: Paul King	Date Extracted: 11/18/06
	Client P.O.:	Date Analyzed: 11/18/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0611360

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
002A	B17-34W	W	ND,i	ND	ND	ND	ND	ND	1	103

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387; Brandywine Realty Trust	Date Sampled: 11/16/06
		Date Received: 11/16/06
	Client Contact: Paul King	Date Extracted: 11/16/06
	Client P.O.:	Date Analyzed 11/17/06

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0611360

					Reporting Limit for DF =1	
Lab ID	0611360-002B					
Client ID	B17-34W					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	1400				NA	50
TPH(d)	530,g,b,i				NA	50
TPH(mo)	1000				NA	250
Surrogate Recoveries (%)						
%SS:	97					
Comments	g,b,i					

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0611360

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 24796 Spiked Sample ID: 0611351-005A

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	107	103	3.84	105	102	2.26	70 - 130	30	70 - 130	30
MTBE	ND	10	109	106	2.55	106	105	0.315	70 - 130	30	70 - 130	30
Benzene	ND	10	107	97.6	9.26	105	101	3.64	70 - 130	30	70 - 130	30
Toluene	ND	10	98.6	91.1	7.85	98	94.2	3.96	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	108	100	7.82	99.4	104	4.86	70 - 130	30	70 - 130	30
Xylenes	ND	30	107	96.7	9.84	107	100	6.45	70 - 130	30	70 - 130	30
%SS:	104	10	96	90	6.20	94	93	1.36	70 - 130	30	70 - 130	30

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

NONE

BATCH 24796 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611360-002	11/16/06 10:30 AM	11/18/06	11/18/06 2:10 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.

£ TPH(btex) = sum of BTEX areas from the FID.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0611360

EPA Method SW8015C **Extraction SW3510C** **BatchID: 24782** **Spiked Sample ID: N/A**

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	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	107	110	2.41	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	104	104	0	N/A	N/A	70 - 130	30

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

NONE

BATCH 24782 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611360-002	11/16/06 10:30 AM	11/16/06	11/17/06 4:48 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.

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

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387//BRT16007; 2100 Franklin Street	Date Sampled: 03/19/07-03/20/07
		Date Received: 03/21/07
	Client Contact: Ferndinand Oberle	Date Reported: 03/28/07
	Client P.O.:	Date Completed: 03/28/07

WorkOrder: 0703505

March 28, 2007

Dear Ferndinand:

Enclosed are:

1). the results of **5** analyzed samples from your **#0387//BRT16007; 2100 Franklin Street 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

RGA Environmental, Inc
1466 - 66th St
Emeryville, CA 94608
510-658-4363
510-834-0152 fax
paul.king@rgaenv.com

0703505

ICE/t° 4.2
GOOD CONDITION yes
HEAD SPACE ABSENT yes
DECHLORINATED IN LAB
PRESERVATION
APPROPRIATE CONTAINERS yes
PRESERVED IN LAB
VOAS | O&G | METALS | OTHER

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER: #0387 // BRT16007
PROJECT NAME: 2100 FRANKLIN ST
SAMPLED BY: (PRINTED AND SIGNATURE) FERDINAND OBERLE // Ferd Oberle

	SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH Multirange	MBTEX					PRESERVATIVE	REMARKS
+10	B19-20	03.19.07		Water		7	X	X					Ice	Normal 5-Day
+7	B19-52	03.20.07		Water		6	X	X						Turnaround
+30	B20-20	03.19.07		Water		7	X	X						
+10	B21-20	03.19.07		Water		7	X	X						
+30	B22-20	03.20.07		Water		7	X	X					↓	

RELINQUISHED BY: (SIGNATURE)	DATE 3/20/07	TIME 1700	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 5 TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 34	LABORATORY: McCampbell Analytical
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: Angela Rydelius	(925) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (✓)NO	
			REMARKS:		

03/22/2007 08:43 5108340152 PAUL H KING PAGE 02/02

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0703505 **ClientID: RGAE**

☐ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Ferndinand Oberle
RGA Environmental
1466 66th Street
Emeryville, CA 94608

Email:
TEL: (510) 547-777 FAX: (510) 547-198
ProjectNo: #0387//BRT16007; 2100 Franklin Street
PO:

Bill to
Andrea Peacock
RGA Environmental
1466 66th Street
Emeryville, CA 94608
andrea.peacock@rgaenv.com

Requested TAT: 5 days

Date Received: **03/21/2007**
Date Printed: **03/22/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0703505-001	B19-20	Water	03/19/07	☐	A	B										
0703505-002	B19-52	Water	03/20/07	☐	A	B										
0703505-003	B20-20	Water	03/19/07	☐	A	B										
0703505-004	B21-20	Water	03/19/07	☐	A	B										
0703505-005	B22-20	Water	03/20/07	☐	A	B										

Test Legend:

1	G-MBTEX_W	2	TPH(DMO)_W	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.

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

RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387//BRT16007; 2100 Franklin Street	Date Sampled: 03/19/07-03/20/07
		Date Received: 03/21/07
	Client Contact: Ferndinand Oberle	Date Extracted: 03/24/07-03/27/07
	Client P.O.:	Date Analyzed 03/24/07-03/27/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0703505

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	B19-20	W	ND,i	ND	ND	0.80	ND	ND	1	109
002A	B19-52	W	ND,i	ND	ND	ND	ND	ND	1	114
003A	B20-20	W	ND,i	ND	ND	ND	ND	ND	1	115
004A	B21-20	W	ND,i	ND	ND	ND	ND	1.2	1	109
005A	B22-20	W	ND,i	ND	ND	ND	ND	ND	1	114

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+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.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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RGA Environmental 1466 66th Street Emeryville, CA 94608	Client Project ID: #0387//BRT16007; 2100 Franklin Street	Date Sampled: 03/19/07-03/20/07
		Date Received: 03/21/07
	Client Contact: Ferndinand Oberle	Date Extracted: 03/22/07
	Client P.O.:	Date Analyzed: 03/23/07-03/27/07

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0703505

Lab ID	0703505-001B	0703505-002B	0703505-003B	0703505-004B	Reporting Limit for DF =1	
Client ID	B19-20	B19-52	B20-20	B21-20		
Matrix	W	W	W	W		
DF	2	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	2100	530	110,l	120,l	NA	50
TPH(d)	560,g,b,i	140,g,b,i	ND,i	ND,i	NA	50
TPH(mo)	1700	560	ND	ND	NA	250
Surrogate Recoveries (%)						
%SS:	72	99	105	101		
Comments	g,b,i	g,b,i	i	i		

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.

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		Date Received: 03/21/07
	Client Contact: Ferndinand Oberle	Date Extracted: 03/22/07
	Client P.O.:	Date Analyzed: 03/23/07-03/27/07

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

Extraction Method: SW3510C Analytical Method: SW8015C Work Order: 0703505

					Reporting Limit for DF =1	
Lab ID	0703505-005B					
Client ID	B22-20					
Matrix	W					
DF	2				S	W
Compound	**Concentration**				ug/kg	µg/L
TPH(bo)	1500				NA	50
TPH(d)	220,g,b,i				NA	50
TPH(mo)	1200				NA	250
Surrogate Recoveries (%)						
%SS:	71					
Comments	g,b,i					

* 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 range (?); no recognizable pattern; m) fuel oil; n) stoddard solvent/mineral spirits; p) see attached narrative.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0703505

EPA Method SW8021B/8015Cm	Extraction SW5030B	BatchID: 26980	Spiked Sample ID: 0703505-005A

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	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	95.5	94.7	0.766	93.9	90	4.28	70 - 130	30	70 - 130	30
MTBE	ND	10	92.7	95.1	2.57	114	110	4.04	70 - 130	30	70 - 130	30
Benzene	ND	10	101	98.1	3.17	97.8	102	3.98	70 - 130	30	70 - 130	30
Toluene	ND	10	104	99.6	4.17	89.5	93.6	4.46	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	101	97.8	3.29	99.4	102	2.33	70 - 130	30	70 - 130	30
Xylenes	ND	30	95	90.7	4.67	96	96.7	0.692	70 - 130	30	70 - 130	30
%SS:	114	10	110	106	3.16	96	98	2.34	70 - 130	30	70 - 130	30

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

NONE

BATCH 26980 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0703505-001A	03/19/07	03/27/07	03/27/07 11:05 PM	0703505-002A	03/20/07	03/24/07	03/24/07 9:03 AM
0703505-003A	03/19/07	03/24/07	03/24/07 9:33 AM	0703505-004A	03/19/07	03/24/07	03/24/07 10:03 AM
0703505-005A	03/20/07	03/24/07	03/24/07 10:33 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0703505

EPA Method SW8015C	Extraction SW3510C	BatchID: 26957	Spiked Sample ID: N/A

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	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	114	117	1.93	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	104	107	2.83	N/A	N/A	70 - 130	30

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

NONE

BATCH 26957 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0703505-001B	03/19/07	03/22/07	03/24/07 7:22 AM	0703505-002B	03/20/07	03/22/07	03/23/07 9:50 PM
0703505-003B	03/19/07	03/22/07	03/23/07 9:50 PM	0703505-004B	03/19/07	03/22/07	03/23/07 8:41 PM
0703505-005B	03/20/07	03/22/07	03/27/07 9:21 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.