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**ADDITIONAL SITE-CHARACTERIZATION
REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA**

March 31, 2008

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Additional Site-Characterization Report
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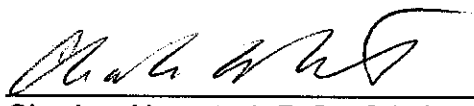
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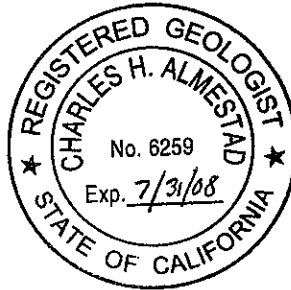
**ADDITIONAL SITE-CHARACTERIZATION REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA**

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March 31, 2008

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1.0 INTRODUCTION

On behalf of EOP–Industrial Portfolio, L.L.C. (EOP), Kleinfelder investigated subsurface environmental conditions at 700 Independent Road in Oakland, California (the Site) (Plate 1). The investigation was performed to further assess the horizontal and vertical extent of petroleum hydrocarbon impacts to soil and ground water associated with a leaking underground storage tank (UST) removed from the Site in August 2005. Alameda County Health Care Services Agency (ACHCSA) is providing regulatory oversight for the Site and has assigned the Site fuel leak case number RO0002900. This report summarizes the tasks, methods, observations, and results of the investigation.

The current investigation work consisted of collecting and analyzing soil and groundwater samples from five borings (K-21 to K-25) to better characterize the vertical and lateral extent of contamination associated with the UST removed from the Site in August 2005. Also, the work was performed to assess whether potential offsite sources have contributed to the petroleum hydrocarbons found in the subsurface at the Site. Two of the borings were reamed out and groundwater monitoring wells were installed (MW-4 and MW-5). The investigation was performed in response to the request for further investigation at the Site by the ACHCSA. The investigation was performed in general accordance with Kleinfelder's *Work plan for Site Investigation Work plan, 700 Independent Road, Oakland, California*, dated September 18, 2007. The work additionally included offsite borings and a monitoring well requested in ACHCSA's letter of workplan approval to Mr. James Soutter and dated October 9, 2007.

2.0 BACKGROUND INFORMATION

2.1 SITE DESCRIPTION

The 700 Independent Road property is located in an industrial area of Oakland, California (Site). The property is approximately five-acres in size and is located about 1,000 feet north of the McAfee Stadium (Plate 1). On the property is a one-story warehouse building, a parking lot and a railroad spur. Attached to the north side of the warehouse building is a concrete block building that is about 900 square feet in size (Plate 2). The facility has been used as a warehouse since the 1950's. Currently, the Eagle Bag Company manufactures and warehouses plastic bags at the site. Previous subsurface investigations indicate that near surface soils at the Site are predominantly clay and silty clay in texture, and that groundwater is generally encountered at about 8 feet to 10 feet below ground surface (bgs).

2.2 UST REMOVAL AND PREVIOUS ENVIRONMENTAL SITE INVESTIGATION SUMMARY

A prospective purchaser of the 700 Independent Road property discovered the presence of petroleum hydrocarbons in soil and groundwater near the loading dock on the subject property. As a follow up to this discovery, Kleinfelder searched regulatory agency records and found no records indicating the presence of a UST on the property. Kleinfelder then performed a geophysical survey and identified the presence of a UST and associated piping in the vicinity of the loading dock. On August 17, 2005, Kleinfelder removed and disposed of one 1,100-gallon UST, under permit with the City of Oakland. The tank was in poor condition, with several holes, and the soil underneath the tank was visibly impacted with petroleum hydrocarbons. Kleinfelder collected confirmation samples from the bottom of the excavation. Backfilling and compaction was performed on September 15 and 16, 2005. A Site plan, indicating the approximate location of the former UST, exploratory borings, and monitoring wells locations are presented in Plate 3.

The top of the UST was encountered at about four feet bgs. A product pipeline was observed in the excavation about a foot below the top of the excavation. The product line from the tank had previously been traced using surface geophysical methods under the block building to an exterior corner between the block building and the main

warehouse building. At this location a pedestal was observed where a fuel dispenser is believed to have existed. A vent line was observed on the side of the warehouse building, extending through the overhang of the warehouse roof. The product and vent lines were left in place when the tank excavation was backfilled. The depth of the product and vent pipelines below the floor of the block building is not known. No excavation activities other than those required to sample shallow soil were performed in the vicinity of the dispenser during UST removal work. Analytical results from the confirmation samples collected below the UST indicated the presence of total petroleum hydrocarbons as gasoline (TPH-g) at concentrations as high as 877 milligrams per kilogram (mg/kg) and total petroleum hydrocarbons as diesel (TPH-d) as high as 5,090 mg/kg. Kleinfelder summarized the tank removal work and analytical results in a report titled *Underground Storage Tank Removal Report, 700 Independent Road, Oakland, California*, dated November 1, 2005. The report was submitted to the City of Oakland Fire Department.

Given the concentrations of petroleum hydrocarbons present, the Fire Department referred the Site to ACHCSA for regulatory oversight. On February 24, 2006 the ACHCSA sent a letter requesting that EOP delineate the extent of the contamination associated with the recently removed UST. On July 24 and 25 and August 10, 2006 Kleinfelder performed the requested investigation, which consisted of collecting soil and groundwater samples from thirteen soil boring locations (K-1 through K-13, Plate 3) advanced in the vicinity of the former UST location. Eleven of the borings were advanced to depths ranging from 16-feet to 24-feet bgs, and two borings were advanced to a depth of 32 feet bgs. Groundwater was first encountered at depths ranging from 5.5 to 19 feet bgs.

Kleinfelder summarized the results of the investigation in the *Site Field Investigation Report*, dated September 27, 2006, which was submitted to the ACHCSA. In brief, benzene, toluene, ethylbenzene, and xylenes (BTEX) in soil were reported at concentrations up to 3,000 micrograms per kilogram ($\mu\text{g}/\text{kg}$), 2,400 $\mu\text{g}/\text{kg}$, 17,000 $\mu\text{g}/\text{kg}$, and 33,000 $\mu\text{g}/\text{kg}$, respectively. TPH-g was detected as high as 810 milligrams per kilogram (mg/kg). In groundwater, BTEX was reported as high as 13,800 micrograms per liter ($\mu\text{g}/\text{L}$), 929 $\mu\text{g}/\text{L}$, 2,810 $\mu\text{g}/\text{L}$, and 3,140 $\mu\text{g}/\text{L}$, respectively. TPH-g and TPH-d were reported at concentrations up to 42 milligrams per liter (mg/L) and 4.19 mg/L respectively.

In a letter to EOP dated October 6, 2006 the ACHCSA requested that EOP further assess the horizontal extent of petroleum hydrocarbon impacts to the subsurface. The request included the collection of soil and groundwater samples in the southeast direction of the former UST location, installation of three monitoring wells, assessment of the presence of petroleum hydrocarbons in soil vapor, a well survey, and an assessment of potential preferential pathways. In response, Kleinfelder prepared a work plan titled *Work Plan for Further Site Investigation* that was submitted to ACHCSA on December 12, 2006.

The work plan was approved by the ACHCSA in a letter dated December 26, 2006, 2007. Between March 4 and March 7, 2007, Kleinfelder collected soil-vapor samples from five sample locations in the warehouse building, advanced and collected soil and groundwater samples for chemical analysis from seven soil boring locations (K-14 through K-20), and installed three monitoring wells. The results of the investigation are summarized in the May 11, 2007 *Further Site Investigation Report*.

The soil-vapor investigation did not indicate the presence of organic volatiles, including TPH-g, at concentrations above regulatory environmental thresholds. The soil and groundwater investigation identified two water bearing zones (seven to 11 feet bgs and 18 to 24 feet bgs) impacted with petroleum hydrocarbons. The 18 to 24 foot bgs zone is characterized by thicker, more permeable and more laterally continuous sediments than the shallower zone. Three monitoring were wells installed to target water quality in the 18 to 24 foot depth water bearing zone.

In soil, the highest TPH-g, TPH-d, and BTEX concentrations were reported at approximately 19 feet bgs in the samples collected from borings MW-1 and K-19. In MW-1, advanced approximately 65 feet east of the UST, TPH-g, TPH-d, and BTEX concentrations were reported at 1,200,000 µg/Kg, 588,000 µg/Kg, 63,000 µg/Kg, 250,000 µg/Kg, 310,000 µg/Kg, and 1,200,000 µg/Kg, respectively. In K-19, advanced adjacent to the former UST location, TPH-g, TPH-d, and BTEX concentrations were reported at 1,900,000 µg/Kg, 200,000 µg/Kg, 11,000 µg/Kg, 26,000 µg/Kg, 33,000 µg/Kg, and 170,000 µg/Kg, respectively.

In groundwater, the highest TPH-g, TPH-d, and BTEX concentrations were reported in the samples collected from borings MW-2 and K-19, both in close proximity to the former UST. In MW-2, TPH-g, TPH-d, and BTEX concentrations were reported at

38,000 µg/L, 940 µg/L, 11,600 µg/L, 274 µg/L, 588 µg/L, and 2,880 µg/L, respectively; while in K-19, TPH-g, TPH-d, and BTEX concentrations were reported at 33,100 µg/L, 370 µg/L, 5,170 µg/L, 235 µg/L, 1,010 µg/L, and 955 µg/L, respectively. In addition, significantly high levels of contamination were reported in the groundwater sample collected from K-17, where TPH-g, TPH-d, and BTEX concentrations were reported at 24,000 µg/L, 530 µg/L, 2,780 µg/L, 150 µg/L, 774 µg/L, and 563 µg/L, respectively. Together, the groundwater samples chemical results suggest that groundwater bearing Zone B is a more significant preferential pathway for contaminant migration.

Well survey data and water level measurements made on April 13, 2007 indicate ground water flow to the south; however, some of the highest petroleum hydrocarbon concentrations were reported to the east of the former UST (MW-1), as opposed to the south (K-17), suggesting that ground water flow patterns may be variable.

On June 13, 2007, after reviewing the May 11, 2007 *Further Site Investigation Report*, the ACHCSA requested that the extent of petroleum hydrocarbons east of the recently installed MW-1 be assessed, that quarterly groundwater monitoring be implemented at the Site, and that the results of the investigations and groundwater monitoring be uploaded onto the State Water Quality Control Board (SWQCB) Geo Tracker system.

Kleinfelder prepared a work-plan dated September 26, 2007 describing the objectives, tasks, methods and schedule for performing the investigations requested by the ACHCSA in the June 13, 2007 letter (Kleinfelder, 2007b). In the ACHCSA's letter approving the workplan, two additional soil borings and one monitoring well were requested. These additional borings and well were agreed to by EOP and incorporated into the current scope of work. This report describes the work performed and results of this additional investigation.

3.0 ENVIRONMENTAL FIELD INVESTIGATION

The scope of the environmental field investigation included:

- Obtaining encroachment, drilling, and well installation permits;
- Clearing utilities;
- Advancing five soil borings to further assess the extent of petroleum hydrocarbons in soil and ground water. The borings were advanced to a depth of 40 feet bgs;
- Installing two monitoring wells to an approximate depth of 25-feet below ground surface and surveying them.
- Sampling soil and ground water for chemical analysis.

The following sections describe the field investigation as it was carried out.

3.1 PRE-FIELD ACTIVITIES

Prior to drilling, Kleinfelder:

- Obtained the required drilling permit from the Alameda County Public Works Agency. A copy of the drilling permit is included in Appendix A;
- Obtained an encroachment permit from the City of Oakland (Appendix A);
- Retained the services of a private utility locator to clear proposed drilling locations;
- Informed Underground Service Alert (USA) of the planned drilling activities at the Site more than 48 hours prior to commencement of drilling activities (no member agency utility lines were marked in the planned work area);
- Retained Resonant Sonic International drilling company of Woodland, California to advance the soil boring probes and install the monitoring wells;
- Prepared a health and safety plan to establish protection standards and mandatory safety practices and procedures to follow during the field work; and
- Notified both the ACHCSA and the Alameda County Public Works of the work schedule for potential inspections.

3.2 SUBSURFACE INVESTIGATION

The subsurface investigation was performed between January 22 and January 23, 2008. Five exploratory borings (K-21 to K-25) were advanced to about 40 feet bgs for soil and groundwater sample collection. Two of the borings, K-22 and K-25, were completed as monitoring wells MW-4 and MW-5, respectively. The location of borings and wells is shown in Plate 3.

3.2.1 Advancement of Soil Borings

Soil borings were advanced using an AMS Power Probe 9630 PRO-D truck mounted direct-push drill rig. The direct-push rigs advance a four-foot long steel tube using a hydraulic ram and a rotary hammer. The steel tube has a two-inch internal diameter that holds interchangeable polyethylene liners, allowing for continuous core collection through the entire depth of the borehole. The wells were installed using hollow stem auger drilling rig.

A total of five soil borings were advanced to a depth of about 40 feet bgs. The soil-stratigraphy at each soil-boring location was logged in the field and classified using the Unified Soil Classification System. The cores were screened with an organic vapor analyzer equipped with a photo-ionization detector (PID). The PID readings obtained at different depths were recorded on the logs. Soil boring logs are included in Appendix B.

3.2.2 Soil Samples

Samples for chemical analysis were selected based on field observations, including petroleum odor, staining, and/or elevated PID readings. Soil sampling equipment was decontaminated between sample locations using a steam cleaner.

Soil samples were collected from each boring at approximately four feet intervals by cutting approximately 6-inch sections of the polyethylene liners. The samples were subsequently sealed on both ends with Teflon sheets and corresponding end caps, labeled, and placed in a cooler with ice pending delivery to a California State-certified analytical laboratory under chain-of-custody protocol for chemical analysis. Seventeen soil samples were chemically analyzed. The depth of the samples analyzed ranged from about eight feet bgs to 40 feet bgs.

3.2.3 Grab Groundwater Samples

Grab groundwater samples for chemical analyses were collected from each boring location (K-21 through K-25). In borings K-21, K24 and K-25, grab groundwater samples were collected from two distinct groundwater bearing zones, one encountered between about 18 feet bgs to 28 feet bgs and the other between about 35 feet bgs to 40 feet bgs. Grab groundwater samples from K-22 and K-23 were collected at 24 feet bgs and 30 feet bgs, respectively.

Grab groundwater samples were collected by inserting a 3/4-inch polyvinyl chloride (PVC) well casing into each borehole. A peristaltic pump was used to retrieve groundwater samples for chemical analysis. New, unused tubing was used in each sample location, including borings and depths. After grab groundwater samples were collected, the temporary well casings were removed and the boreholes were grouted with neat cement (95 pounds of cement in five gallons of water) from the bottom up, according to well permit requirements.

Groundwater samples were contained in laboratory-supplied containers, labeled, and stored in a cooler with ice pending delivery to the analytical laboratory under chain-of-custody protocol. A total of eight grab groundwater samples were collected and delivered to the laboratory for chemical analysis.

3.2.4 Installation of Groundwater Monitoring Wells

Two two-inch diameter PVC monitoring wells were installed on January 22, 2008. The wells were constructed in borings K-22 (MW-4) and K25 (MW-5) to depths of 25 feet and 28 feet bgs, respectively, by sealing the lower portion of the borings with neat cement and reaming out the borings using an eight inch hollow stem auger drilling rig.

The borings were reamed with an eight inch hollow stem drill rig. Ten feet of 0.02 inch factory slotted well screen was placed in each boring, between 15 feet to 25 feet bgs in MW-4 and 18 feet to 28 feet bgs in MW-5. A sand pack was placed in the annular space of the wells, from the bottom up, to an approximate depth of one foot above the slotted screen depth. Approximately one foot of hydrated bentonite was placed on top of the sand pack. Neat cement grout was placed on top of the bentonite plug using a tremmie pipe. Neat cement grout was tremmied to approximately nine inches bgs. Well

heads were completed in traffic-rated boxes, and a locking cap was placed on the finished well. Well construction details are summarized in Table 1 and are included on the well logs presented in Appendix B.

Kleinfelder developed the two wells on January 31, 2008. Well development was performed by surging and purging the water containing suspended sediments with a surge block and two-inch bailer. Well development was carried out until the water in the well was clear or at least ten wetted well volumes of water had been purged. The volume of purged water from wells MW-4, and MW-5 totaled about 12 gallons each.

3.2.5 Monitoring-Well Samples

Monitoring wells MW-4 and MW-5 were sampled on March 17, 2008. The samples from the monitoring wells are believed to be representative of groundwater conditions encountered at approximately 18 feet bgs. Prior to sample collection the wells were purged of a minimum of three wetted well volumes of water using clean, unused, disposable bailers. During purging, temperature, electrical conductivity and pH were monitored until these parameters stabilized. Final purge data for the wells is summarized in Table 2. Following purging ground water samples were collected by decanting the water from the bailers into the bottles provided by the analytical laboratory. The bottles were filled with no headspace remaining in the bottles. The bottles were subsequently labeled and placed in an ice chest with ice for storage prior to transport to the analytical laboratory. Following chain-of-custody protocols, Kleinfelder delivered the samples to the laboratory the same day they were collected.

3.2.6 Elevation Survey

On February 14, 2008, the latitude, longitude and elevations of the covers and tops of casings of the recently installed monitoring wells were surveyed by PLS Surveys Inc., a California licensed surveyor. Survey information of monitoring wells is summarized on Table 1.

3.3 CHEMICAL ANALYSIS

Soil and groundwater samples were submitted for analysis to Torrent Laboratory, Inc. of Milpitas, a California state-certified analytical laboratory. Soil and groundwater samples from both, the soil borings and monitoring wells, were analyzed for:

- Benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), and total petroleum hydrocarbons as gasoline (TPH-g) using the United States Environmental Protection Agency (EPA) Method 8260B; and
- Total petroleum hydrocarbons as diesel (TPH-d) using EPA Method 8015B (Silica gel cleanup procedure was requested and performed on samples analyzed for TPH-d).

4.0 SUMMARY AND DISCUSSION OF FIELD INVESTIGATION RESULTS

In this report, the concentrations of chemicals of concern reported at concentrations above the laboratory's reporting limits were compared to their respective and most recent Environmental Screening Levels (ESLs) developed by the San Francisco Bay Region Regional Water Quality Control Board (RWQCB). The most recent ESLs are summarized in the Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final dated November 15, 2007 (RWQCB, 2007a).

ESLs were developed to address environmental protection goals presented in the Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan, RWQCB, 2007b), and include the protection of human health and terrestrial biota through direct exposure, of drinking water resources, aquatic habitats, and against vapor intrusion into buildings, and adverse nuisance conditions.

To account for the different exposure potential to contaminants encountered at different depths, ESLs were developed for two soil depths, shallow and deep soils. Shallow soil are considered less than three meters (10 feet) deep, and ESLs for contaminants in this depth range account for the potential, regular direct exposure of residents and/or office workers. In turn, the ESLs for contaminants in deep soils, found at depths greater than three meters, account for only periodic exposure, during construction and utility maintenance work.

Comparing the concentrations of chemicals reported at a Site to their corresponding ESL allows for a rapid generalized risk assessment. Under most circumstances the presence of a chemical at concentrations below their corresponding ESL can be assumed to not pose a significant, long term (chronic), threat to human health or the environment. Areas where chemicals are present at concentrations exceeding the corresponding ESL generally require additional evaluation.

The ESLs used in this report were obtained from Table B (for shallow, less than 3 meters deep soils) and Table D (for deep, deeper than 3 meters bgs soils). These tables were developed assuming that groundwater is not a current or potential source of drinking water. For this investigation, these tables were used because the concentration of dissolved solids in the groundwater at the site is significantly greater than 3,000 milligrams per liter as documented in Kleinfelder's' Fourth Quarter 2007

Groundwater Monitoring Report (Kleinfelder, 2008) for the site, making the groundwater unsuitable as a drinking water resource.

As described in Section 3, this investigation consisted of advancing five exploratory soil borings and installing two monitoring wells at the Site to further assess the extent of petroleum hydrocarbons in the subsurface at the Site. Previously, a total of 20 soil borings and three wells had been advanced. The following sub-sections describe the hydrogeology of the Site and summarize the analytical results of soil and groundwater, and how they compare to their respective ESLs.

4.1 SITE HYDROGEOLOGY

The soils underlying the site consist of inter-fingered near-shore deposits from the San Francisco Bay and alluvial deposits. Cross-sections, derived from boring logs, which illustrate the stratified nature of the soil deposits at the site, are included as Plates 4 and 5. Cross-section locations are shown on Plate 3. Near surface soils in the borings had a relatively thin layer of sandy materials underlain by clay. A permeable water bearing zone, up to ten feet thick, is present at about 17 to 19 feet bgs. This zone is mostly comprised of sands and coarse sands, and can be traced horizontally between borings advanced to that depth. Below this permeable zone are clays (silty clay, clay, and sandy clay) to about 34 to 38 feet bgs where an additional horizontally continuous permeable zone was encountered. The five monitoring wells on site are screened in the predominant water bearing zone located at 15 to 28 feet bgs.

Water level measurements on the five wells were made on February 18, 2008. Based on these water level measurements and survey elevation data, groundwater is inferred to flow toward the southeast, east and north. Inferred ground water flow patterns from previous measurements indicated ground water flow generally to the south. Plate 6 contains inferred water level contours for February 18, 2008. The February 18, 2008 flow pattern is likely due to transitory seasonal influences (differential recharge from winter rains).

4.2 SOIL SAMPLE ANALYTICAL RESULTS

Three to four samples per boring were chemically analyzed, for a total of 17 soil samples. The depths of the samples analyzed ranged from eight to 40 feet bgs. No

chemicals of concern were reported at concentrations above the laboratory's reporting limit in the borings installed during this scope of work. Analytical results of soil sample analyses are summarized in Table 4. The distribution of TPH-d and benzene in soil from this and previous investigations for the seven to 11 and the 17 to 25 foot depth zones are illustrated in Plates 7 and 8, respectively. Copies of the analytical laboratory reports are included in Appendix C.

4.3 GROUND WATER ANALYTICAL RESULTS

No chemicals of concern were reported at concentrations above the laboratory's reporting limit, except for TPH-g and TPH-d reported in the groundwater samples collected from MW-4 and MW-5. TPH-g was reported slightly above the laboratory's reporting limit, at 56- $\mu\text{g/L}$ and 55- $\mu\text{g/L}$, in the samples from MW-4 and MW-5, respectively, and TPH-d in the sample collected from MW-5, at a concentration of 544 $\mu\text{g/L}$. All of these concentrations are below their most current ESLs. Groundwater analytical results are summarized in Table 5, and copies of the analytical laboratory reports are included in Appendix C. The distribution of TPH-d and benzene in ground water from this and previous investigations is illustrated in Plate 9.

5.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

The objectives of this investigation were to:

- Further define the extent of petroleum hydrocarbon impacts to soil and groundwater at the site, particularly to the east and north of the former UST; and
- Install two groundwater monitoring wells.

To meet these objectives Kleinfelder advanced five exploratory soil borings for logging geologic conditions at the site and collecting soil and ground water samples for chemical analysis, and installed, surveyed, and sampled two monitoring wells. The wells were installed in groundwater bearing Zone B, located at a depth of 18 to 28 feet bgs, approximately. Groundwater bearing Zone B was previously identified as being the most impacted with petroleum hydrocarbons and the most likely preferential pathway for contaminants to migrate.

Hydrogeology

General site stratigraphy is illustrated in cross-sections in Plates 4 and 5. Based on historic groundwater level measurements it is estimated that ground water generally flows towards the south, at an approximate gradient of 0.003 to 0.005 feet per foot. However, water level data from February 18, 2008 indicate that ground water flow is variable, the variation likely due to seasonal influences (differential recharge from winter rains). The transitory flow patterns can explain the lateral spread of the petroleum hydrocarbons from the UST at the site, illustrated in Plate 9.

Petroleum Hydrocarbons in Soil and Ground Water

During the current investigation, no chemicals of concern were reported in soil above the laboratory's reporting limit. In groundwater, TPH-g and TPH-d were reported slightly above the laboratory's reporting limit in the samples from MW-4 and MW-5, but below their respective and most current ESLs. Analytical results for soil are summarized in Table 4, and Plates 7 and 8. Analytical results for groundwater are summarized in Table 5 and on Plate 9.

Conclusions

The results obtained in this investigation together with the results summarized in the Further Site Investigation Report (Kleinfelder, 2007) suggest that the extent of petroleum hydrocarbon impacted soil and groundwater has been delineated.

In shallow soil, seven to 11 feet bgs, TPH-g and benzene concentrations above the ESL of 450 mg/Kg and 260- μ g/Kg, respectively, appear restricted to the area immediately adjacent to the former UST location. Plate 7 shows the approximate contours of TPH-g and benzene concentrations, derived from this and previous investigation results, above ESLs in soil depths seven to 11 feet bgs.

In deeper soil, 18 feet to 25 feet bgs, TPH-g has not been reported above its current ESL of 4,200 mg/Kg for soils deeper than 3-meters, except in the soil in MW-1, while benzene concentrations above 11 mg/Kg have been reported in the former UST location and MW-1. Plate 8 shows the approximate contours of TPH-g and benzene concentrations above ESLs in soil depths 18 feet to 25 feet bgs.

In groundwater, TPH-g and benzene concentrations above their ESLs of 5.0 mg/L and 540 μ g/L, respectively, have been documented north of the former UST location, in K-4, and as far south as K-17, and to the east and west as far as K-9 and K-6. Plate 9 presents a contour delineating the approximate area where TPH-g and benzene concentrations in groundwater have been reported above their respective ESLs.

Recommendations

Kleinfelder understands that both EOP and the ACHCSA are interested in accelerating the remediation process of the site, particularly the areas where the greatest concentrations of petroleum hydrocarbons have been reported. Kleinfelder recommends preparing a corrective action plan (CAP) that compares the potential costs and effectiveness of treating the subsurface with chemical agents. The effectiveness of the remediation method to be implemented can be assessed during the groundwater monitoring, and the results can be used to decide if more than one injection event is required. Afterwards, natural attenuation can be monitored. After petroleum hydrocarbon concentrations have been shown a significant and continuous decline, case closure request can be requested from the ACHCSA.

6.0 LIMITATIONS

Kleinfelder prepared this report in accordance with generally accepted standards of care that exist in Alameda County at this time. This report may be used only by EOP and only for the purposes stated, within a reasonable time from its issuance, but in no event later than one (1) year from the date of the report. All information gathered by Kleinfelder is considered confidential and will be released only upon written authorization of EOP or as required by law. Non-compliance with any of these requirements by EOP or anyone else, unless specifically agreed to in advance by Kleinfelder in writing, will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party and EOP agrees to defend, indemnify, and hold harmless Kleinfelder from any claim or liability associated with such unauthorized use of non-compliance.

Kleinfelder offers various levels of investigation and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present. Although risk can never be eliminated, more-detailed and extensive investigations yield more information, which may help understand and manage the level of risk. Since detailed investigation and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface investigations or field tests, may be performed to reduce uncertainties. Acceptance of this report will indicate that EOP has reviewed the document and determined that it does not need or want a greater level of service than provided.

During the course of the performance of Kleinfelder's services, hazardous materials may be discovered. Kleinfelder will assume no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Nothing contained in this reports should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, generator, or person who arranges for disposal, transport, storage or

treatment of hazardous materials within the meaning of any governmental statute, regulation or order. EOP will be solely responsible for notifying all governmental agencies, and the public at large, of the existence, release, treatment or disposal of any hazardous materials observed at the project site, either before or during performance of Kleinfelder's services. EOP will be responsible for all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

Regulations and professional standards applicable to Kleinfelder's services are continually evolving. Techniques are, by necessity, often new and relatively untried. Different professionals may reasonably adopt different approaches to similar problems. As such, our services are intended to provide EOP with a source of professional advice, opinions and recommendations. Our professional opinions and recommendations are/will be based on our limited number of field observations and tests, collected and performed in accordance with the generally accepted engineering practice that exists at the time and may depend on, and be qualified by, information gathered previously by others and provided to Kleinfelder by EOP. Consequently, no warranty or guarantee, expressed or implied, is intended or made.

7.0 REFERENCES

Kleinfelder, 2005. Underground Storage Tank Report, 700 Independent Road, Oakland, California, November 1, 2005.

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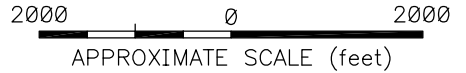
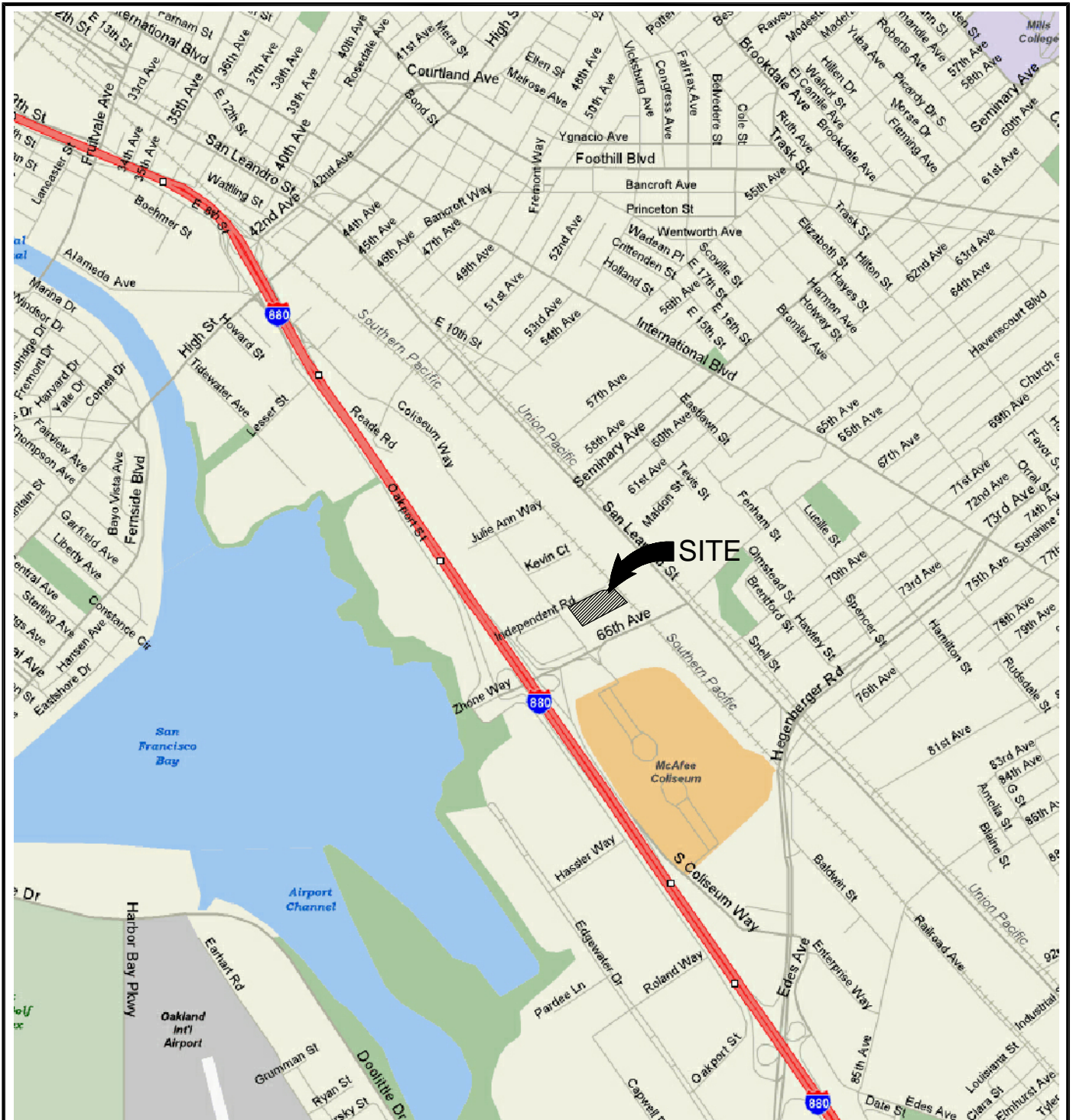
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<http://www.swrcb.ca.gov/rwqcb2/RBSL/esl1107/esl.pdf>

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PLATES

ATTACHED IMAGES: Images: VIC-MAP.jpg
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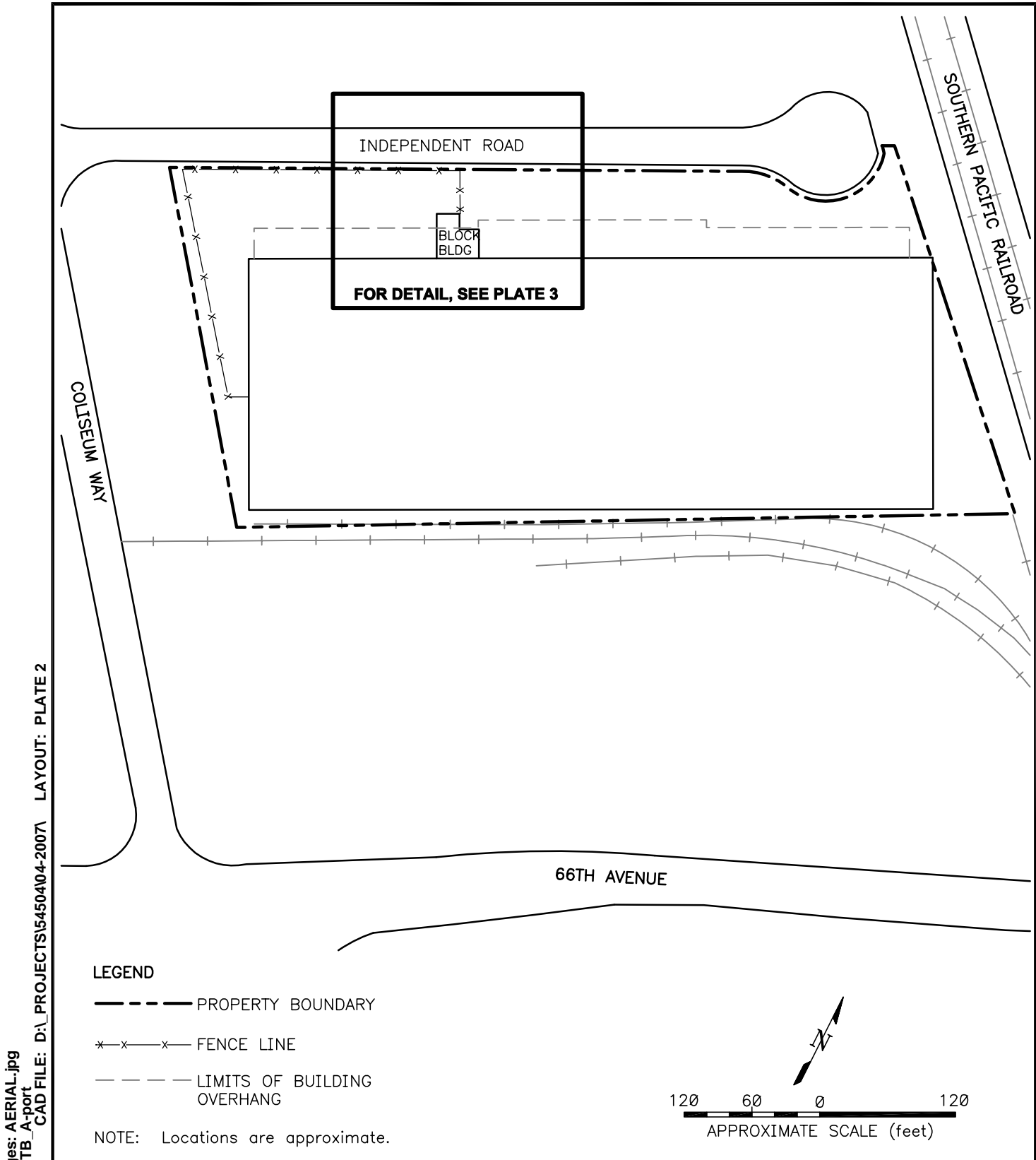
SITE VICINITY MAP

700 INDEPENDENT ROAD
 OAKLAND, CALIFORNIA

DRAWN BY: LGS
REVISED BY:
CHECKED BY: AD
PLATE

1

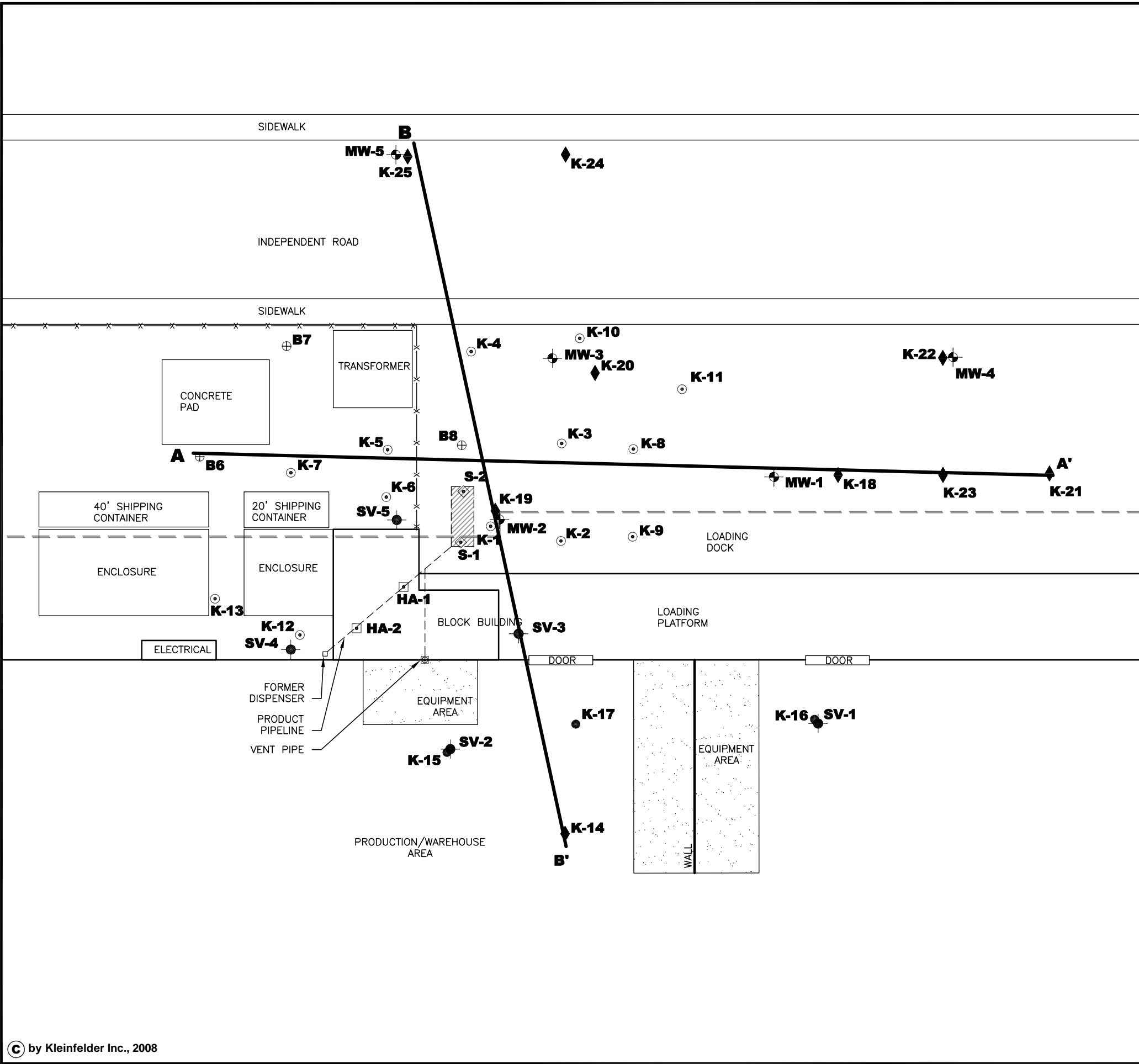
DRAWN: MAY 2007 **APPROVED BY:** **PROJECT NO.** 54504 **FILE NAME:** SITE-VIC.dwg



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 FILE: L:\2007\07PROJ
 CAD FILE: D:\PROJECTS\5450404-2007\ LAYOUT: PLATE 2

<p>KLEINFELDER</p> <p>1970 Broadway, Suite 710 Oakland, CA 94612-2212 PH. 510-628-9000 FAX. 510-628-9009 www.kleinfelder.com</p>	<p>SITE PLAN: OVERALL</p>		<p>DRAWN BY: J. Sala</p>
	<p>700 INDEPENDENT ROAD OAKLAND, CALIFORNIA</p>		<p>REVISIED BY:</p> <p>CHECKED BY: C. Almadad</p>
<p>DRAWN: MAY 2007</p>	<p>APPROVED BY: _____</p>	<p>PROJECT NO. 54504</p>	<p>FILE NAMESP OVERALL.dwg</p> <p style="font-size: 2em; text-align: center;">2</p>

ATTACHED IMAGES: XRef: TB_B-size
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 Pie-L:\2007\07PROJ

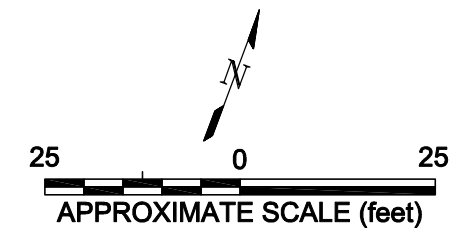


LEGEND

- — — ROOF OVERHANG
- * — * — FENCE
- - - - - PRODUCT PIPELINE
- FORMER UNDERGROUND STORAGE TANK
- MONITORING WELL (Kleinfelder, March 2007)
- SOIL VAPOR BORING (Kleinfelder, March 2007)
- SOIL BORING depth 24-32 ft (Kleinfelder, March 2007)
- SOIL BORING depth 38-45 ft (Kleinfelder, March 2007 and February 2008)
- SOIL BORING (Kleinfelder, 2006)
- SOIL BORING (Golder Associates, August 2004)
- HAND AUGER
- UST CONFIRMATION SOIL SAMPLE

A — A' GEOLOGIC CROSS-SECTION

NOTE:
 Golder boring B8 located in the field.
 Locations of Golder borings B6 and B7 are approximate.



PLATE

3

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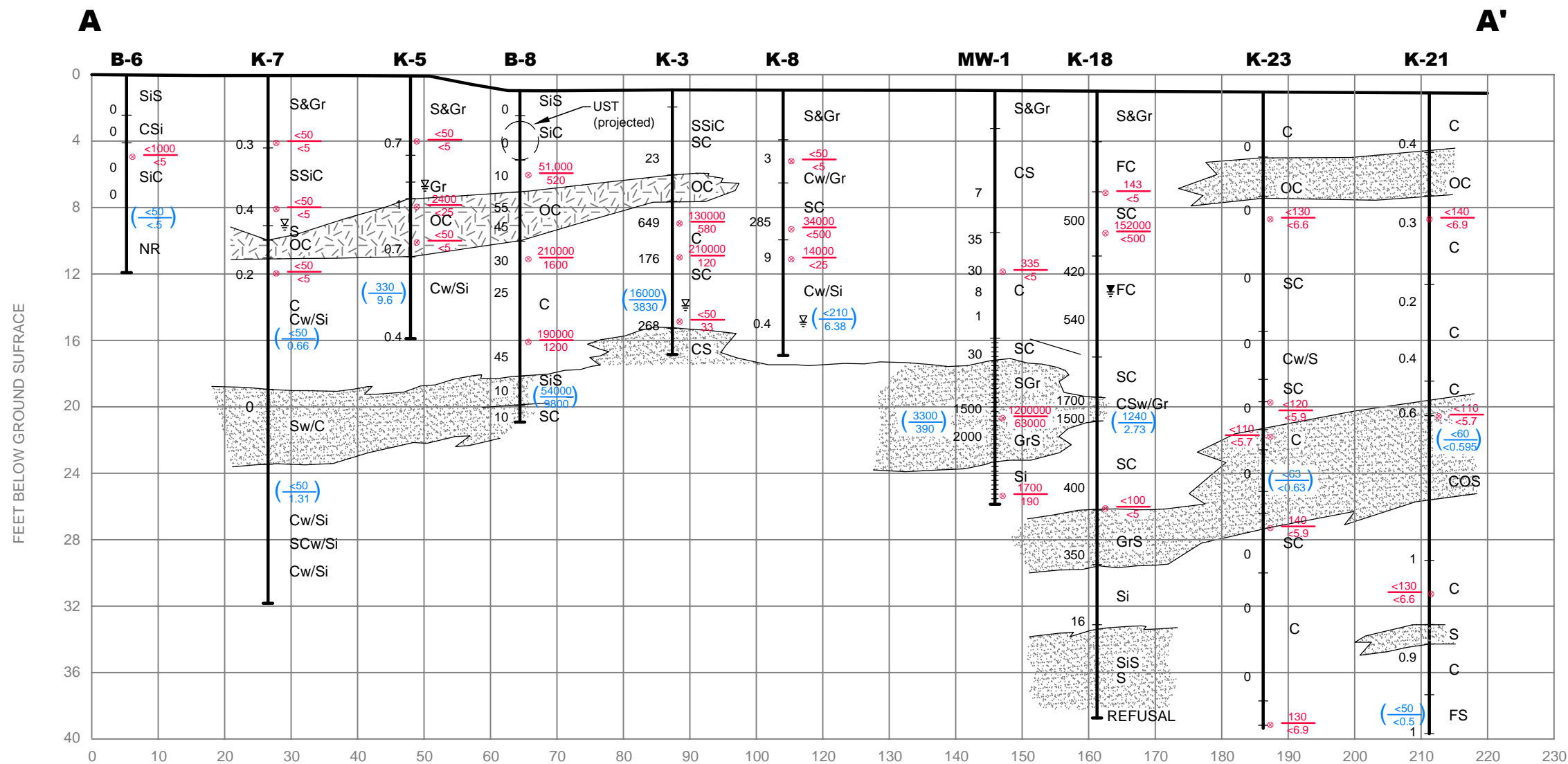
SOIL BORING AND MONITORING WELL LOCATIONS

700 INDEPENDENT ROAD
 OAKLAND, CALIFORNIA

PROJECT NO. 54504 FILE NAME: SITEPLAN.dwg

DRAWN BY:	LGS
REVISD BY:	
CHECKED BY:	CHA
DATE:	MAR 2008
APPROVED BY:	

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 File-L:\2007\07PROJ



LEGEND

C	CLAY	⊗ $\frac{2200}{27}$	TPH-g (µg/Kg) IN SOIL	∇	INITIAL WATER LEVEL
Si	SILT		B (µg/Kg) IN SOIL	∇	STABILIZED WATER LEVEL
S	SAND				
Gr	GRAVEL	($\frac{2200}{27}$)	TPH-g (µg/L) IN GROUNDWATER		
OC	ORGANIC CLAY		B (µg/L) IN GROUNDWATER		
Sw/C	SAND WITH CLAY	TPH-g	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE		
NR	NO RECOVERY	B	BENZENE		
UST	UNDERGROUND STORAGE TANK				

NOTE: Locations are approximate.

GEOLOGIC CROSS-SECTION A-A'

DRAWN BY: LGS

REVISED BY:

CHECKED BY: CHA

DATE: APPROVED BY:
MAR 2008

PLATE

4

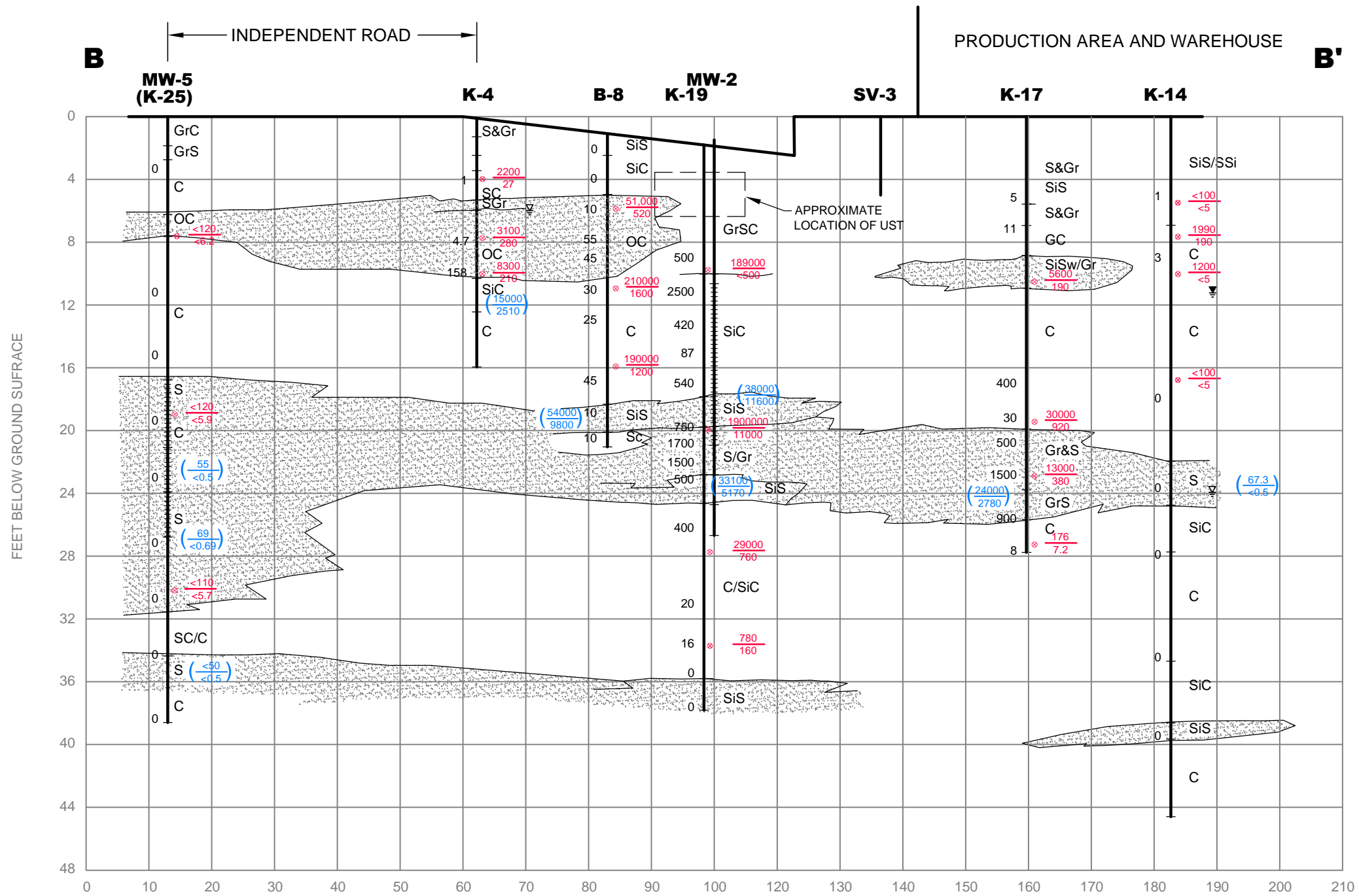
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700 INDEPENDENT ROAD
 OAKLAND, CALIFORNIA

PROJECT NO. 54504 FILE NAME: X-SECTIONS.dwg

ATTACHED IMAGES: XRef: TB_B-size
 ATTACHED XREFS: CAD FILE: D:\PROJECTS\54504\03-2008\ LAYOUT: B-B'
 Pie-L:\2007\07PROJ



LEGEND

C	CLAY	* $\frac{2200}{27}$	TPH-g ($\mu\text{g}/\text{Kg}$) IN SOIL	∇	INITIAL WATER LEVEL
Si	SILT		B ($\mu\text{g}/\text{Kg}$) IN SOIL	∇	STABILIZED WATER LEVEL
S	SAND		TPH-g ($\mu\text{g}/\text{L}$) IN GROUNDWATER	—	SCREENING ZONE IN MONITORING WELL
Gr	GRAVEL	$(\frac{2200}{27})$	B ($\mu\text{g}/\text{L}$) IN GROUNDWATER	500	ORGANIC VAPOR METER (PID) MEASUREMENT (ppm)
OC	ORGANIC CLAY		TPH-g		
Sw/C	SAND WITH CLAY		TOTAL PETROLEUM HYDROCARBONS AS GASOLINE		
NR	NO RECOVERY		B		
UST	UNDERGROUND STORAGE TANK		BENZENE		

NOTE: Locations are approximate.

GEOLOGIC CROSS-SECTION B-B'

DRAWN BY: LGS

REVISED BY:

CHECKED BY: CHA

DATE: APPROVED BY:

MAR 2008

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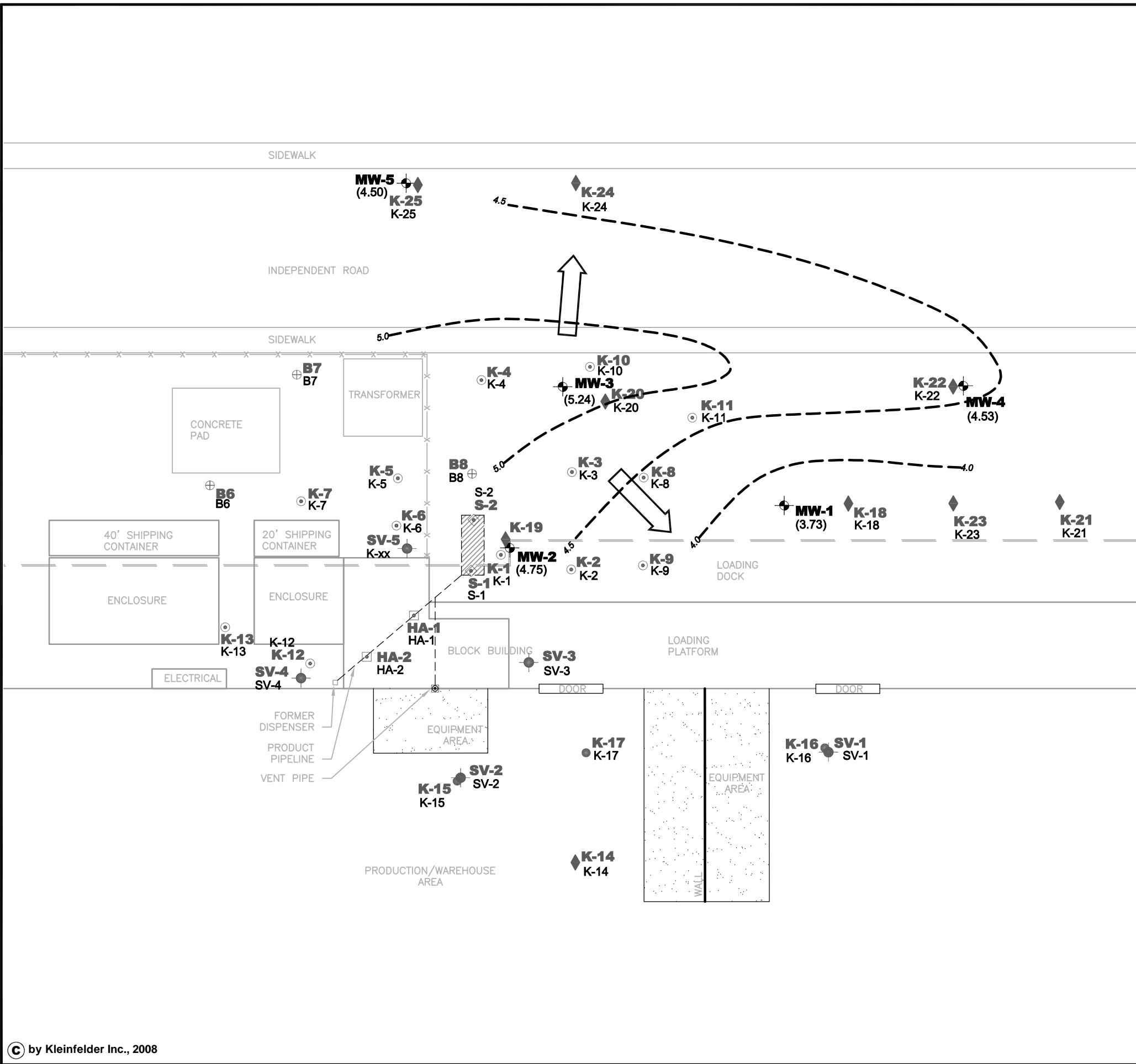
PLATE

5

700 INDEPENDENT ROAD
 OAKLAND, CALIFORNIA

PROJECT NO. 54504 FILE NAME: X-SECTIONS.dwg

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 FILE-L:\2007\07PROJ CAD FILE: D:\PROJECTS\15450\103-2008\ LAYOUT: GW contours



LEGEND

- ROOF OVERHANG
- * * * * * FENCE
- - - - - PRODUCT PIPELINE
- ▨ FORMER UNDERGROUND STORAGE TANK
- ⊕ MONITORING WELL (Kleinfelder, March 2007)
- SOIL VAPOR BORING (Kleinfelder, March 2007)
- SOIL BORING depth 24-32 ft (Kleinfelder, March 2007)
- ◆ SOIL BORING depth 38-45 ft (Kleinfelder, March 2007 and February 2008)
- ⊙ SOIL BORING (Kleinfelder, 2006)
- ⊕ SOIL BORING (Golder Associates, August 2004)
- ⊠ HAND AUGER
- ◆ UST CONFIRMATION SOIL SAMPLE
- (4.75) GROUNDWATER ELEVATION (feet, msl)
- 4.0 - - - - GROUNDWATER ELEVATION CONTOURS (feet, msl)
- ➡ APPROXIMATE DIRECTION OF GROUNDWATER FLOW

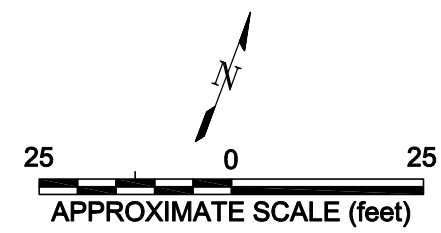
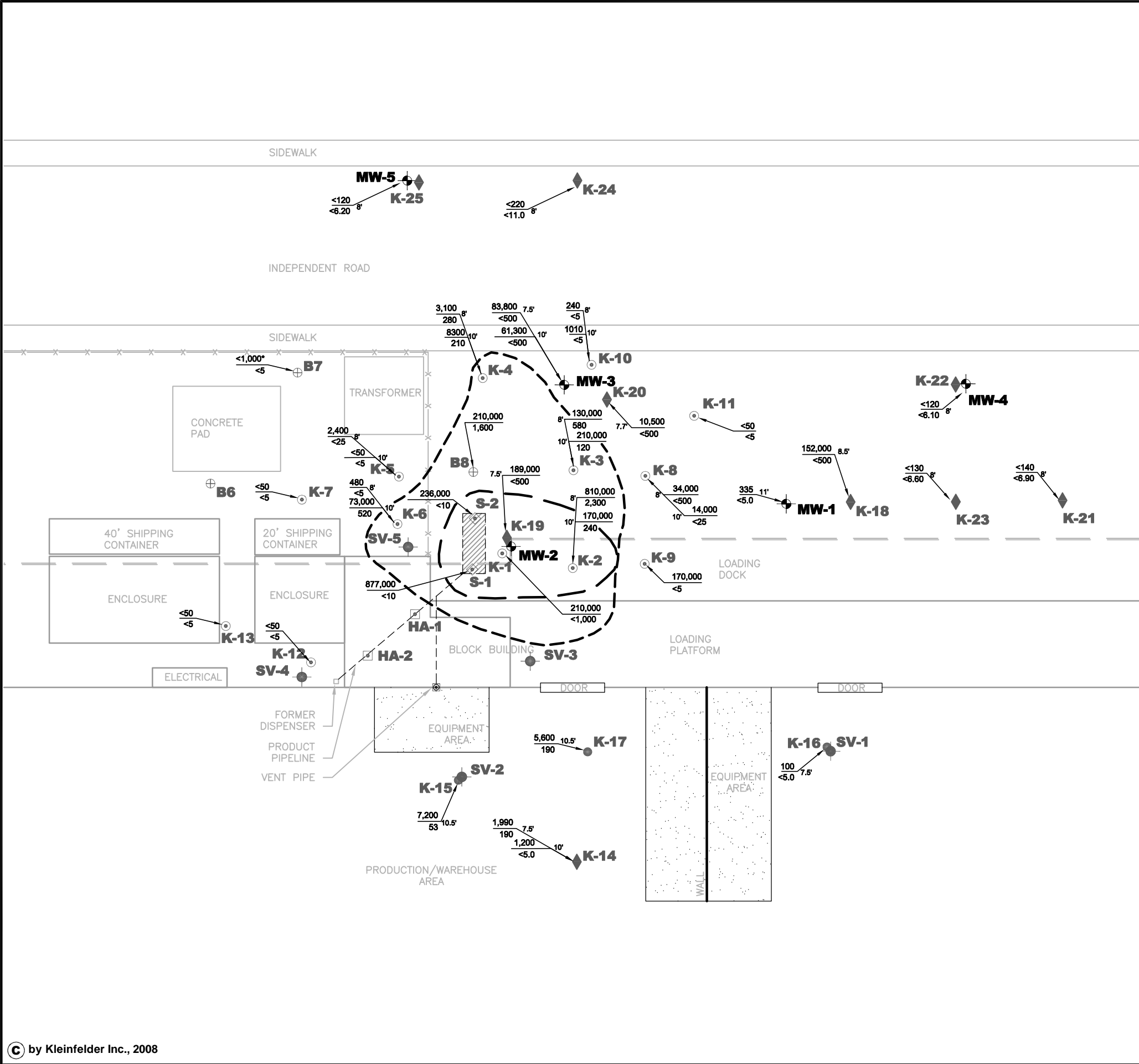


PLATE 6	
<b style="color: red; font-weight: bold;">KLEINFELDER	
1970 Broadway, Suite 710 Oakland, CA 94612-2212 PH. (510) 628-9000 FAX. (510) 628-9009 www.kleinfelder.com	
INFERRED GROUND WATER SURFACE ELEVATIONS FEBRUARY 18, 2008	
DRAWN BY: LGS REVISED BY: CHECKED BY: CHA DATE: MAR 2008	PROJECT NO. 54504 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA FILE NAME: SAMPS_03-2008.dwg

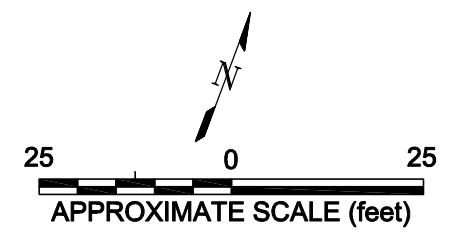
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 ATTACHED XREFS: XRef: TB_B-size
 FILE: D:\PROJECTS\15450\103-2008\ LAYOUT: SOIL_7 to 11 ft



LEGEND

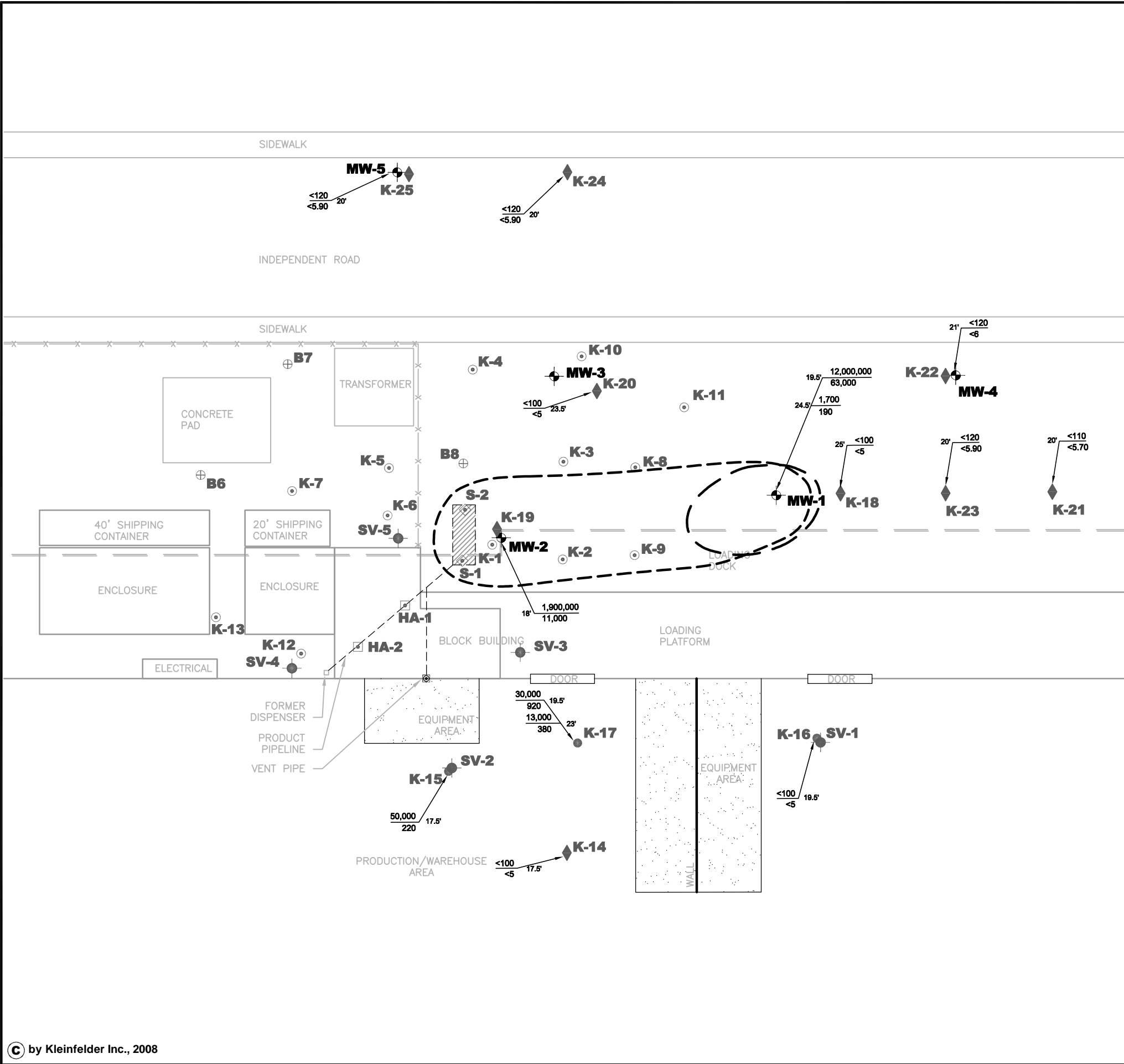
- ROOF OVERHANG
- * * * * * FENCE
- - - - - PRODUCT PIPELINE
- ▨ FORMER UNDERGROUND STORAGE TANK
- ⊕ MONITORING WELL (Kleinfelder, March 2007)
- ⊙ SOIL VAPOR BORING (Kleinfelder, March 2007)
- SOIL BORING depth 24-32 ft (Kleinfelder, March 2007)
- ◆ SOIL BORING depth 38-45 ft (Kleinfelder, March 2007 and February 2008)
- ⊙ SOIL BORING (Kleinfelder, 2006)
- ⊕ SOIL BORING (Golder Associates, August 2004)
- ⊠ HAND AUGER
- ◇ UST CONFIRMATION SOIL SAMPLE
- - - - - APPROXIMATE LIMIT OF TPH-g, CONCENTRATIONS EXCEEDING LOWEST ESL IN SOIL
- - - - - APPROXIMATE LIMIT OF BENZENE CONCENTRATIONS EXCEEDING LOWEST ESL IN SOIL
- xx' TPH-g (μg/Kg) SOIL SAMPLES COLLECTED AT 7-11 FEET BELOW GROUND SURFACE
- BENZENE (μg/Kg)
- TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE MICROGRAMS PER KILOGRAM

NOTES:
 Golder boring B8 located on the field. Locations of Golder borings B6 and B7 are approximate.



<p>PLATE 7</p>	
<p>KLEINFELDER</p> <p>1970 Broadway, Suite 710 Oakland, CA 94612-2212 PH. (510) 628-9000 FAX. (510) 628-9009 www.kleinfelder.com</p>	
<p>TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND BENZENE IN SOIL AT 7' to 11' BELOW GROUND SURFACE</p>	
<p>DRAWN BY: LGS</p>	<p>PROJECT NO. 54504</p>
<p>REVISOR BY:</p>	<p>FILE NAME: SAMPS_03-2008.dwg</p>
<p>CHECKED BY: CHA</p>	<p>700 INDEPENDENT ROAD OAKLAND, CALIFORNIA</p>
<p>DATE: MAR 2008</p>	<p>APPROVED BY:</p>

ATTACHED IMAGES: Images: contours_Page_1.jpg Images: contours_Page_2.jpg
 ATTACHED XREFS: XRef: SITEPLAN; XRef: TB_B-size
 FILE: D:\PROJECTS\15450\103-2008\ LAYOUT: SOIL_17 to 23 ft

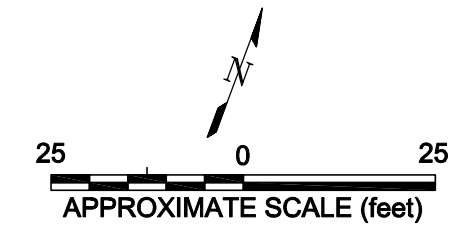


LEGEND

- ROOF OVERHANG
- *-x-x- FENCE
- - - PRODUCT PIPELINE
- ▨ FORMER UNDERGROUND STORAGE TANK
- ⊕ MONITORING WELL (Kleinfelder, March 2007)
- ⊙ SOIL VAPOR BORING (Kleinfelder, March 2007)
- SOIL BORING depth 24-32 ft (Kleinfelder, March 2007)
- ◆ SOIL BORING depth 38-45 ft (Kleinfelder, March 2007 and February 2008)
- ⊙ SOIL BORING (Kleinfelder, 2006)
- ⊕ SOIL BORING (Golder Associates, August 2004)
- ⊠ HAND AUGER
- ◇ UST CONFIRMATION SOIL SAMPLE
- - - APPROXIMATE LIMIT OF BENZENE CONCENTRATIONS EXCEEDING LOWEST ESL IN SOIL
- - - APPROXIMATE LIMIT OF TPH-g, CONCENTRATIONS EXCEEDING LOWEST ESL IN SOIL
- xx TPH-g (μg/Kg) SOIL SAMPLES COLLECTED AT BENZENE (μg/Kg) 17-25 FEET BELOW GROUND SURFACE
- TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- μg/Kg MICROGRAMS PER KILOGRAM

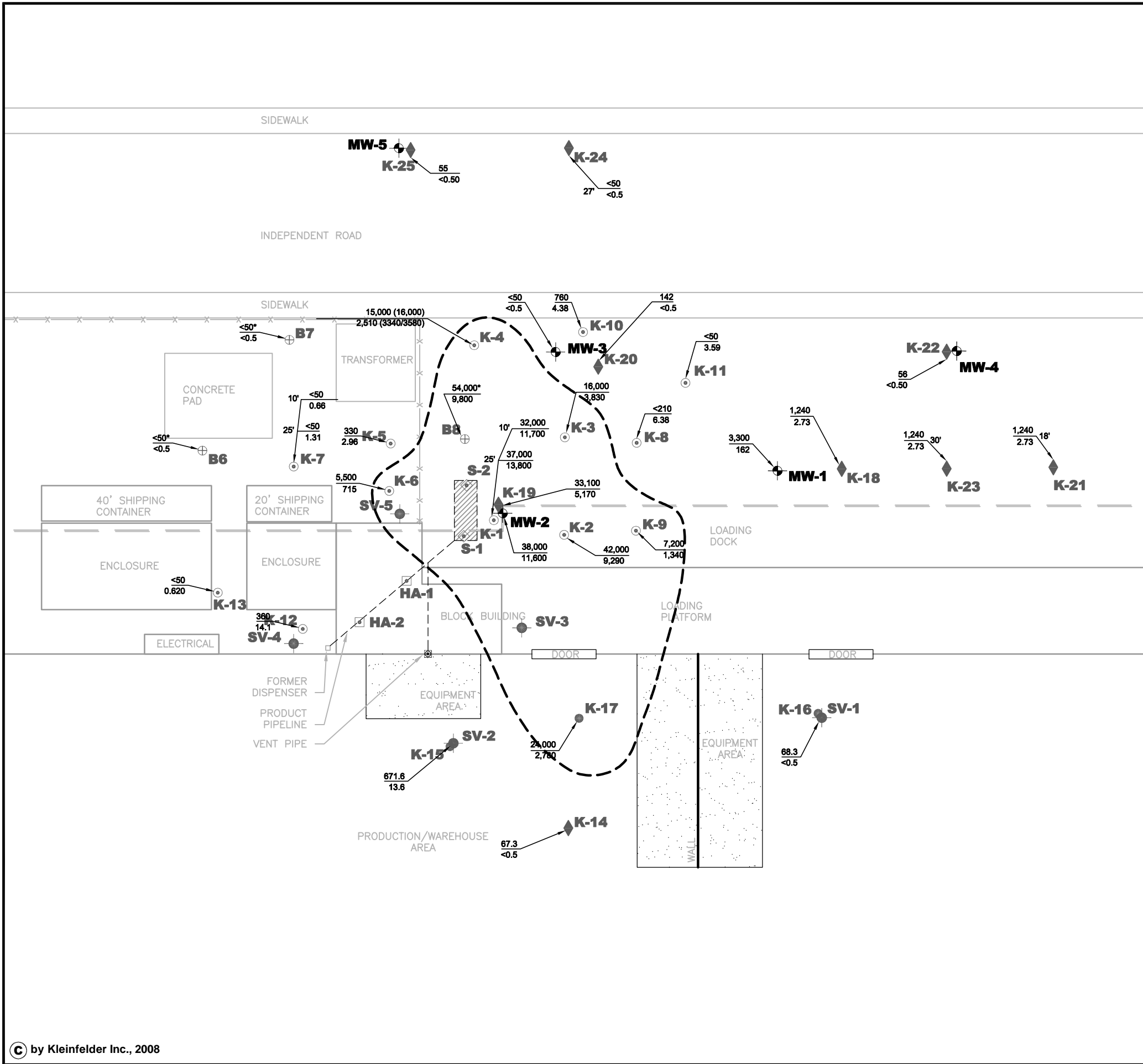
NOTES:
 Golder boring B8 located on the field. Locations of Golder borings B6 and B7 are approximate.

Sampling dates were on March 4-6, 2007.



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TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND BENZENE IN SOIL AT 17' to 25' BELOW GROUND SURFACE		
DRAWN BY:	LGS	
REVISED BY:		
CHECKED BY:	CHA	
DATE:	MAR 2008	APPROVED BY:
		FILE NAME: SAMPS_03-2008.dwg
PROJECT NO. 54504		700 INDEPENDENT ROAD OAKLAND, CALIFORNIA

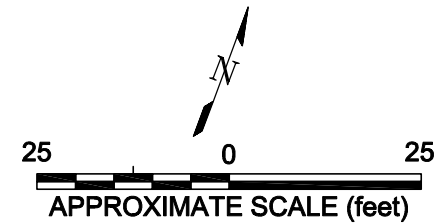
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 ATTACHED XREFS: XRef: SITEPLAN: XRef: TB_B-size
 FILE: D:\PROJECTS\15450\103-2008\ LAYOUT: GRAB-GW



LEGEND

- ROOF OVERHANG
- × × × FENCE
- - - PRODUCT PIPELINE
- ▨ FORMER UNDERGROUND STORAGE TANK
- ◆ MONITORING WELL (Kleinfelder, March 2007)
- SOIL VAPOR BORING (Kleinfelder, March 2007)
- SOIL BORING depth 24-32 ft (Kleinfelder, March 2007)
- ◆ SOIL BORING depth 38-45 ft (Kleinfelder, March 2007 and February 2008)
- SOIL BORING (Kleinfelder, 2006)
- ⊕ SOIL BORING (Golder Associates, August 2004)
- HAND AUGER
- ◇ UST CONFIRMATION SOIL SAMPLE
- - - APPROXIMATE LIMIT OF BENZENE AND TPH-g CONCENTRATIONS IN GROUND WATER EXCEEDING LOWEST ESL
- TPH-g (µg/L) GRAB SAMPLES COLLECTED AT BENZENE (µg/L) FIRST GROUND WATER, UNLESS OTHERWISE NOTED
- TPH-g (µg/L) TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- µg/L MICROGRAMS PER LITER

NOTES:
 Golder boring B8 located on the field. Locations of Golder borings B6 and B7 are approximate.
 * Results from sample collected on August 17, 2004.



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TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND BENZENE IN GROUND WATER SAMPLES

PROJECT NO. 54504 FILE NAME: SAMPS_03-2008.dwg

700 INDEPENDENT ROAD OAKLAND, CALIFORNIA

PLATE **9**

DRAWN BY: LGS
 REVISED BY:
 CHECKED BY: CHA
 DATE: APPROVED BY:
 MAR 2008

TABLES

Table 1
Monitoring Well Construction Details
 EOP - 700 Independent Road
 Oakland, California

Construction Details by Depth Intervals (Feet Below Ground Surface)								Survey I		
								Top of Casing Elevation (Feet)	Vault Elevation (Feet)	Lc
Well Identification	Installation Date	Boring Depth	Solid Casing	Screen Interval	Sand Pack	Bentonite Seal	Grout Seal			
MW-1	3/5/2007	25.0	0.25-15	15-25	13-25	11-13	0.75-11	9.64	9.96	-12'
MW-2	3/5/2007	25.0	0.25-10	10-20	8-20	6-8 / 20-25	0.75-6	9.53	9.85	-12'
MW-3	3/5/2007	25.0	0.25-13	13-23	11-24	9-11	0.75-9	10.79	11.10	-12'
MW-4	1/23/2008	25.0	0.25-15	15-25	14-25	13-14	0.75-13	9.61	10.35	-12'
MW-5	1/23/2008	28.0	0.25-18	18-28	17-28	16-17	0.75-16	9.75	10.06	-12'

Notes:

Survey elevations North American Vertical Datum of 1988 (NAVD88), horizontal NAD 83.

Survey of MW-1, MW-2 and MW-3 by PLS Surveys, Inc., April 4, 2007

Survey of MW-4 and MW-5 by PLS Surveys, Inc., February 14, 2008

Table 2
Depth to Water Measurements and Ground Water Surface Elevations
 EOP - 700 Independent Road
 Oakland, California

Well Number	Measuring Point Elevation (feet, msl)	April 13, 2007		September 10, 2007		December 17, 2007		February 18, 2008	
		Depth to Water (feet)	Ground Water Surface Elevation (feet, msl)	Depth to Water (feet)	Ground Water Surface Elevation (feet, msl)	Depth to Water (feet)	Ground Water Surface Elevation (feet, msl)	Depth to Water (feet)	Ground Water Surface Elevation (feet, msl)
MW-1	9.64	4.67	4.97	5.15	4.49	5.29	4.35	5.91	3.73
MW-2	9.53	4.61	4.92	5.42	4.11	5.02	4.51	4.78	4.75
MW-3	10.79	5.75	5.04	6.26	4.53	6.16	4.63	5.55	5.24
MW-4	9.61	--	--	--	--	--	--	5.08	4.53
MW-5	9.75	--	--	--	--	--	--	5.25	4.50

Notes:

Top of casing elevations for MW-1, MW-2 and MW-3 surveyed 4/4/07 by PLS Surveys, Inc.

Top of casing elevations for MW-4, and MW-5 surveyed 2/14/08 by PLS Surveys, Inc.

msl = Mean sea level

NM = Not measured

Table 3
Summary of Final Purge Parameters Data
 EOP - 700 Independent Road
 Oakland, California

Well No.	Date Sampled	Gallons Purged	Final pH	Final Specific Conductivity (µmhos/cm)	Final Temperature (degrees C)
MW-1	9/10/2007	8.0	6.78	3999 ^a	18.7
	12/17/2007	10.0	6.84	3999 ^a	17.2
MW-2	9/10/2007	6.8	6.70	3999 ^a	19.4
	12/17/2007	7.0	6.70	3999 ^a	17.8
MW-3	9/10/2007	8.5	6.97	3999 ^a	22.3
	12/17/2007	9.0	7.11	3999 ^a	20.9
MW-4	1/31/2008	12.0	7.04	3999 ^a	18.7
MW-5	1/31/2008	12.0	6.85	3999 ^a	19.2

Acronyms:

- a Exceeds equipment limits
- C Celsius
- µmhos/cm microsiemens per centimeter

Table 4
Reported Volatile Organic Compounds and Total Petroleum Hydrocarbons in Soil
 EOP - 700 Independent Road
 Oakland, California

Sample ID	Depth (ft. bgs)	VOC (µg/Kg)							TPH-g (µg/Kg)	TPH-d (µg/Kg)
		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	EDB	EDC		
K-1	8	< 1,000	< 1,000	5,400	4,500	< 2,000	< 1,000	< 1,000	210,000	9,800b
	10.0	250	54.0	1,900	2,900	< 100	< 50.0	< 50.0	220,000	8,600b
	19.0	3,000	< 1,000	7,100	17,000	< 2,000	< 1,000	< 1,000	420,000	10,500b
K-2	4.0	< 5.00	5,300	< 5.00	< 15.0	< 100	< 0.005	< 5.00	< 50.0	12,000b
	8.0	2,300	2,400	17,000	33,000	< 4,000	< 2,000	< 2,000	810,000	18,000b
	10.0	240	< 25.0	510	560	< 50.0	< 25.0	< 25.0	170,000	5,700b
K-3	8.0	580	< 500	2,600	3,400	< 1,000	< 500	< 500	130,000	6,300b
	10.0	120	< 25.0	410	360	< 50.0	< 25.0	< 25.0	210,000	3,300b
	14.0	33.0	< 5.00	10.0	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
K-4	4.0	27.0	< 25.0	< 25.0	< 75.0	< 50.0	< 25.0	< 25.0	2,200	< 200
	8.0	280	< 25.0	28.0	< 75.0	< 50.0	< 25.0	< 25.0	3,100	< 200
	10.0	210	< 50.0	210	< 150	< 1,000	< 50.0	< 50.0	8,300	< 200
K-5	4.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
	8.0	< 25.0	< 25.0	< 25.0	< 75.0	< 50.0	< 25.0	< 25.0	2,400a	13,000c
	10.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
K-6	4.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
	8.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	480a	62,000c
	10.0	520	< 500	3,000	1,600	< 1,000	< 500	< 500	73,000	12,000b
K-7	4.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
	8.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
	12.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
K-8	4.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	32,000d
	8.0	< 500	< 500	< 500	< 1,500	< 1,000	< 500	< 500	34,000a	8,400b
	10.0	< 25.0	< 25.0	85.0	< 75.0	< 50.0	< 25.0	< 25.0	14,000	< 200
K-9	4.0	7.20	< 5.00	< 5.00	24.0	< 10.0	< 5.00	< 5.00	270a	< 200
	8.0	< 5.00	< 5.00	3,600	< 15.0	< 10.0	< 5.00	< 5.00	170,000a	7,900b
K-10	8.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	240a	< 200
	10.0	< 5.00	< 5.00	10.0	< 15.0	< 10.0	< 5.00	< 5.00	1,010a	< 200
K-11	4.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
	8.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
K-12	4.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	2,800b
	8.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
K-13	4.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
	8.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	< 200
HA-1		< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	5,480
HA-2		< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 50.0	3,400c
ESL-TB		260	29,000	33,000	100,000	8,400	42.0	480	450,000	150,000
ESL-TD		11,000	29,000	33,000	420,000	8,400	1,000	1,800	4,200,000	150,000

Table 4 (cont.)

Reported Volatile Organic Compounds and Total Petroleum Hydrocarbons In Soil
 EOP - 700 Independent Road
 Oakland, California

Sample ID	Depth (ft. bgs)	VOC (µg/Kg)							TPH-g (µg/Kg)	TPH-d (µg/Kg)
		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	EDB	EDC		
K-14	5.5	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	< 200
	7.5	190	15.0	< 5.00	22.0	< 10.0	< 5.00	< 5.00	1,990b	18,000f
	10.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	1,200	< 200
	17.5	< 5.00	< 5.00	< 5.00	70.0	< 10.0	< 5.00	< 5.00	< 100	< 200
K-15	10.5	53.0	< 5.00	< 5.00	170	< 10.0	< 5.00	< 5.00	7,200	< 200
	15.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	< 200
	17.5	220	< 25.0	910	1,100	< 10.0	< 25.0	< 25.0	50,000	4,800d
K-16	7.5	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	3,700g
	11.5	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	< 200
	19.5	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	< 200
K-17	10.5	190	< 25.0	< 25.0	150	< 50.0	< 25.0	< 25.0	5,600	12,700d
	19.5	920	< 500	3,600	2,000	< 100	< 500	< 500	30,000	7,300d
	23.0	380	190	400	670	< 50.0	< 25.0	< 25.0	13,000	114,000d
	27.5	7.20	< 5.00	7.80	< 15.0	< 10.0	< 5.00	< 5.00	176	2,300d
K-18	6.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	143	< 200
	8.5	< 500	< 500	720	< 1,500	< 100	< 500	< 500	152,000h	18,700d
	25.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	2,300d
K-19	7.5	< 500	< 500	4,600	5,800	< 100	< 500	< 500	189,000j	17400d
	18.0	11,000	26,000	33,000	170,000	<10,000	< 5,000	< 5,000	1,900,000j	200,000d
	25.5	760	140	400	1,900	< 50.0	< 25.0	78.0	29,000j	9,890d
	31.5	160	< 12.5	13.0	49.0	< 25.0	< 12.5	32.0	780	< 200
K-20	7.7	< 500	< 500	< 500	< 1,500	< 100	< 500	< 500	10,500m	< 200
	14.0	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	< 200
	23.5	< 5.00	< 5.00	< 5.00	< 15.0	< 10.0	< 5.00	< 5.00	< 100	< 200
K-21	8.0	< 6.90	< 6.90	< 6.90	< 21.0	< 14.0	NA	NA	< 140	< 2,750
	20.0	< 5.70	< 5.70	< 5.70	< 17.0	< 11.0	NA	NA	< 110	< 2,260
	31.0	< 6.60	< 6.60	< 6.60	< 20.0	< 13.0	NA	NA	< 130	< 2,650
K-22	8.0	< 6.10	< 6.10	< 6.10	< 18.0	< 12.0	NA	NA	< 120	< 2,450
	21.0	< 6.00	< 6.00	< 6.00	< 18.0	< 12.0	NA	NA	< 120	< 2,410
	29.0	< 6.20	< 6.20	< 6.20	< 18.0	< 12.0	NA	NA	< 120	< 2,470
	40.0	< 5.90	< 5.90	< 5.90	< 18.0	< 12.0	NA	NA	< 120	< 2,360
K-23	8.0	< 6.60	< 6.60	< 6.60	< 20.0	< 13.0	NA	NA	< 130	< 2,640
	20.0	< 5.90	< 5.90	< 5.90	< 18.0	< 12.0	NA	NA	< 120	< 2,360
	27.0	< 5.90	< 5.90	< 5.90	< 18.0	< 12.0	NA	NA	< 120	< 2,340
	40.0	< 6.50	< 6.50	< 6.50	< 20.0	< 13.0	NA	NA	< 130	< 2,620
K-24	8.0	< 11.0	< 11.0	< 11.0	< 34.0	< 22.0	NA	NA	< 220	< 4,470
	20.0	< 5.90	< 5.90	< 5.90	< 18.0	< 12.0	NA	NA	< 120	< 2,370
	30.0	< 5.60	< 5.60	< 5.60	< 17.0	< 11.0	NA	NA	< 110	< 2,240
K-25	8.0	< 6.20	< 6.20	< 6.20	< 19.0	< 12.0	NA	NA	< 120	< 2,490
	20.0	< 5.90	< 5.90	< 5.90	< 18.0	< 12.0	NA	NA	< 120	< 2,350
	31.0	< 5.70	< 5.70	< 5.70	< 17.0	< 11.0	NA	NA	< 110	< 2,290
MW-3	7.5	< 500	< 500	< 500	< 1,500	< 100	< 500	< 500	83,800m	< 200
	10.0	< 500	< 500	< 500	< 1,500	< 100	< 500	< 500	61,300m	10,600d
	15.5	< 5.00	< 500	< 500	< 15.0	< 10.0	< 5.00	< 5.00	< 100	< 200
ESL - Table B		260	29,000	33,000	100,000	8,400	42.0	480	450,000	150,000
ESL-Table D		11,000	29,000	33,000	420,000	8,400	1,000	1,800	4,200,000	150,000

Table 4 (cont.)

Volatile Organic Compounds and Total Petroleum Hydrocarbons In Soil

EOP - 700 Independent Road
Oakland, California

Notes:

- a - Does not match typical gasoline pattern. TPH value due to presence of non-target compounds within the TPH-g quantitation range.
- b - Although TPH-g compounds are present, the reported result is elevated due to the presence of non-target compounds within the TPH-g quantitation range.
- c - While TPH-g compounds are present, the pattern does not match typical gasoline pattern. TPH value includes significant amount of non-target compounds.
- d - Sample chromatogram does not resemble typical diesel pattern. Lighter end hydrocarbons within the diesel range quantitated as diesel.
- e - Does not match typical pattern. TPH value due to presence of non-target compounds within the TPH-g quantitation range (light end).
- f - Sample chromatogram does not resemble typical diesel pattern (discrete peaks). Unidentified hydrocarbon peaks within the diesel range quantitated as diesel.
- g - Sample chromatogram does not resemble typical diesel pattern. Diesel result is carry over from TPH as motor oil quantitation range. Hydrocarbons and hydrocarbon peak within the diesel range quantitated as diesel.
- h - Not typical gasoline. TPH value does not include typical gasoline compounds.
- j - Although TPH-g compounds are present, the reported value is elevated due to significant amount of heavy end hydrocarbons not typical of gasoline but within the TPH-g quantitation range.
- k - Two fuels present. The first fuel is lighter than diesel. The second is heavier than diesel but lighter than motor oil. Hydrocarbons within the diesel range quantitated as diesel.
- m - Not typical gasoline. TPH value does not include any target compounds.
- * ESL-Table B - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, November 2007, Table B. Shallow Soils (≤ 3 meters bgs), Commercial/Industrial land use only. Groundwater is NOT a current or potential source of drinking water.
- * ESL-Table D - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, November 2007, Table D. Deep Soils (> 3 meters bgs), Commercial/Industrial land use only. Groundwater is NOT a current or potential source of drinking water.
- Bold** - Corresponding ESL has been exceeded.

Samples from K-1 through K-13 collected: July 24, 25, and August 10, 2006

Samples from K-14 through K20, MW-1 and MW-3 collected March 4 - 6, 2007

Acronyms

bgs	below ground surface	MTBE	Methyl tert butyl ether
EDB	1,2 Dibromoethane (EDB)	TPH-g	Total Petroleum Hydrocarbons - gasoline
EDC	1,2 Dichloroethane (EDC)	TPH-d	Total Petroleum Hydrocarbons - diesel
ESL	Environmental screening level	mg/Kg	Milligrams per Kilogram
HA	Hand Auger sample collected along former dispenser line	$\mu\text{g/Kg}$	Micrograms per Kilogram
		VOC	Volatile Organic Compound
NE	Not established	NA	Not analyzed

Table 5
Reported Volatile Organic Compounds and Total Petroleum Hydrocarbons in Ground Water
 EOP - 700 Independent Road
 Oakland, California

Boring Number	K-1A	K-1B	K-2	K-3	K-4	K-4	K-5	K-6	K-7A	K-7B	K-8	K-9	K-10	K-11	K-12	K-13	K-14	K-15	ESL	
Total Boring Depth (feet)	16.0	32.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	32.0	16.0	16.0	20.0	16.0	24.0	24.0	45.0	24.0		
Sample Depth (bgs)	10.0	25.0	--	--	--	(duplicate)	--	--	10.0	25.0	--	--	--	--	--	--	--	--		
Date Sample Collected	7/25/2006	7/25/2006	7/24/2006	7/24/2006	7/24/2006	7/24/2006	7/25/2006	7/25/2006	7/25/2006	7/25/2006	7/25/2006	8/10/2006	8/10/2006	8/10/2006	8/10/2006	8/10/2006	3/4/2007	3/4/2007		
TPH-g (µg/L)	32,000	37,000	42,000	16,000	15,000	16,000	330	5,500	< 50.0	< 50.0	< 210	7,200	760	< 50.0	360	< 50.0	67.3a	671.6b	5,000	
TPH-d (µg/L)	655b	4,190b	400b	<222	1,100b	670b	< 159	< 143	< 182	< 118	452b	371b	< 115	< 179	< 137	NA	< 100	< 100	2,500	
TPH-mo (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 264	< 230	< 358	< 274	NA	NA	NA	2,500	
Benzene (µg/L)	11,700	13,800	9,290	3,830	2,510	3,580 / 3,340	2.96	715	0.66	1.31	6.38	1,340	4.38	3.59	14.1	0.62	< 0.50	13.6	540	
Toluene (µg/L)	88.0	584	929	148	62.4 / <105	< 42.0 / < 4.20	2.08	19.2	< 0.50	< 0.50	< 4.2	23.6	2.20	3.15	1.55	2.38	< 0.50	3.69	400	
Ethylbenzene (µg/L)	1,230	757	2,810	620	1,050 / 346	597 / 580	< 1.00	389	< 0.50	< 0.50	39.6	355	22.8	1.28	19.7	0.88	< 0.50	7.43	300	
Xylenes, total (µg/L)	788	2,500	3,140	305	59.6 / <315	< 126.0 / 26.6	< 3.00	34.7	< 1.50	< 1.50	< 12.6	130	3.70	4.35	21.1	2.79	< 1.50	21.4	5,300	
MTBE (µg/L)	< 10.5	< 10.5	< 42.0	< 4.20	< 10.5 / <105	< 42.0 / 27.5	< 1.00	< 4.20	< 0.50	< 0.50	< 4.20	< 2.10	< 0.50	< 1.05	< 0.50	< 0.50	< 0.50	0.56	1,800	
EDB (µg/L)	< 10.5	< 10.5	< 42.0	< 4.20	< 10.5 / <105	< 42.0 / < 4.20	< 1.00	< 4.20	< 0.50	< 0.50	< 4.20	< 2.10	< 0.50	< 1.05	< 0.50	< 0.50	< 0.50	< 0.50	150	
EDC (µg/L)	206	586	71.4	< 4.20	< 10.5 / <105	< 42.0 / < 4.20	< 1.00	< 4.20	< 0.50	< 0.50	< 4.20	< 2.10	< 0.50	< 1.05	< 0.50	< 0.50	< 0.50	< 0.50	200	

Boring Number	K-16	K-17	K-18	K-19	K-20	K-21		K-22	K-23	K-24		K-25		MW-1	MW-2	MW-3	MW-4	MW-5	ESL	
Total Boring Depth (feet)	24.0	32.0	38.0	38.0	38.0	40.0		40.0	40.0	40.0		40.0		25.0	25.0	25.0	25.0	28.0		
Sample Depth (bgs)	--	--	--	--	--	18.0	40.0	24.0	30.0	27.0	35.0	28.0	36.0	--	--	--	--	--		
Date Sample Collected	3/4/2007	3/4/2007	3/5/2007	3/6/2007	3/6/2007	1/22/2008	1/22/2008	1/22/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	3/19/2007	3/19/2007	3/19/2007	1/31/2008	1/31/2008		
TPH-g (µg/L)	68.3a	24,000	1,240c	33,100b	142e	< 60.0	< 50.0	< 50.0	< 63.0	< 50.0	< 50.0	< 69.0	< 50.0	3,300	38,000	< 50.0	56.0n	55.0n	5,000	
TPH-d (µg/L)	< 112	530d	150	370d	< 100	< 123	< 109	< 111	< 116	< 111	< 115	< 130	< 115	390d	940d	< 100	< 100	544p	2,500	
TPH-mo (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,500	
Benzene (µg/L)	< 0.50	2,780	2.73	5,170	< 0.50	< 0.595	< 0.50	< 0.50	< 0.63	< 0.50	< 0.50	< 0.69	< 0.50	162	11,600	< 0.50	< 0.50	< 0.50	540	
Toluene (µg/L)	< 0.50	150	1.15	235	< 0.50	< 0.595	< 0.50	< 0.50	< 0.63	< 0.50	< 0.50	< 0.69	< 0.50	205	274	< 0.50	< 0.50	< 0.50	400	
Ethylbenzene (µg/L)	< 0.50	774	28.8	1,010	< 0.50	< 0.595	< 0.50	< 0.50	< 0.63	< 0.50	< 0.50	< 0.69	< 0.50	60.2	588	< 0.50	< 0.50	< 0.50	300	
Xylenes, total (µg/L)	< 1.50	563	14.1	955	< 1.50	< 1.79	< 1.50	< 1.50	< 1.89	< 1.50	< 1.50	< 2.07	< 1.50	351	2,880	< 1.50	< 1.50	< 1.50	5,300	
MTBE (µg/L)	1.03	< 0.50	< 0.50	< 4.40	< 0.50	< 0.595	< 0.50	< 0.50	< 0.63	< 0.50	< 0.50	< 0.69	< 0.50	< 1.10	< 4.40	< 0.50	< 0.50	< 0.50	1,800	
EDB (µg/L)	< 0.50	< 0.50	< 0.50	< 4.40	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	< 1.10	< 4.40	< 0.50	NA	NA	150	
EDC (µg/L)	< 0.50	< 0.50	< 0.50	37.8	< 0.50	NA	NA	NA	NA	NA	NA	NA	NA	< 1.10	226	< 0.50	NA	NA	200	

Notes:

- a - Does not match typical gasoline pattern. TPH value due to presence of non-target compounds within the TPH-g quantitation range.
 - b - Although TPH-g compounds are present, the reported result is elevated due to the presence of non-target compounds within the TPH-g quantitation range.
 - c - While TPH-g compounds are present, the pattern does not match typical gasoline pattern. TPH value includes significant amount of non-target compounds.
 - d - Sample chromatogram does not resemble typical diesel pattern. Lighter end hydrocarbons within the diesel range quantitated as diesel.
 - e - Does not match typical pattern. TPH value due to presence of non-target compounds within the TPH-g quantitation range (light end).
 - f - Sample chromatogram does not resemble typical diesel pattern (discrete peaks). Unidentified hydrocarbon peaks within the diesel range quantitated as diesel.
 - g - Sample chromatogram does not resemble typical diesel pattern. Diesel result is carry over from TPH as motor oil quantitation range.
Hydrocarbons and hydrocarbon peak within the diesel range quantitated as diesel.
 - h - Not typical gasoline. TPH value does not include typical gasoline compounds.
 - j - Although TPH-g compounds are present, the reported value is elevated due to significant amount of heavy end hydrocarbons not typical of gasoline but within the TPH-g quantitation range.
 - k - Two fuels present. The first fuel is lighter than diesel. The second is heavier than diesel but lighter than motor oil. Hydrocarbons within the diesel range quantitated as diesel.
 - m - Not typical gasoline. TPH value does not include any target compounds.
 - n - Does not match typical gasoline pattern. Reported values are the result of presence of non-gasoline compounds within the gasoline quantitation range.
 - p - Sample chromatogram does not resemble typical diesel pattern. Hydrocarbons within the diesel range quantitated as diesel.
- * ESL - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, November 2007, Table D. Deep Soils (> 3 meters bgs), Groundwater is NOT a current or potential source of drinking water.

Acronyms

- EDB 1,2 Dibromoethane
- EDC 1,2 Dichloroethane
- ESL Environmental Screening Level
- mg/L Milligrams per Liter
- MTBE Methyl tert butyl ether
- bgs below ground surface
- NA Not Analyzed
- TPH-g Total Petroleum Hydrocarbons - gasoline
- TPH-d Total Petroleum Hydrocarbons - diesel
- TPH-mo Total Petroleum Hydrocarbons - motor oil
- µg/L Micrograms per Liter

Bold: Reported concentration exceeds respective ESL

APPENDIX A

PERMITS

Applications for which no permit is issued within 180 days shall expire by limitation.

Appl# X0800066 Job Site 700 INDEPENDENT RD Parcel# 041 -3910-013-00

Descr Install well per ENMI07331 & two soil borings Permit Issued 01/09/03
encroachment for 1 (one) monitoring well. NOTE: No Creek
Protection permit reqd per E. Manasse, see 201 F24 comments

Work Type EXCAVATION-PRIVATE P

USA #

Util Co. Job # Acctg#:
Util Fund #

Applicant Phone# Lic# License Classes--

Owner SPK INDUSTRIAL PORTEOLFO LLC

Contractor RESONANTSONIC X (530) 668-2424 802334 C57-A

Arch/Engr

Agent KLEINFELDER/ GABRIEL FUSON (510) 628-9000

Applic Addr 220 N EAST ST., WOODLAND CA, 95776

JOB SITE

\$416.55 TOTAL FEES PAID AT ISSUANCE
\$63.00 Applic \$300.00 Permit
\$.00 Process \$34.49 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$19.06 Tech Enh

CITY OF OAKLAND

DIST: ADDRESS:



EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL
ENGINEERING

PAGE 2 of 2

Permit valid through expiration date of insurance

PERMIT NUMBER X 0 8 0 0 0 6 6 *	APPROXIMATE LOCATION 700 Independent Rd, Oakland, CA
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APPROVAL DATE 01/09/08	PERMIT EXPIRES 01/11/08	APPLICANT TELEPHONE NUMBER (510) 774-4115
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CONTRACTOR LICENSE NUMBER AND CLASS #802334 - C57A	CITY PERMITTING OFFICE
--	------------------------

1- 48 hours prior to starting work you MUST CALL (510) 238-8637 to schedule an inspection.

2- 48 hours prior to re-paving, a compaction certificate is required to be filed for approved surfspace.

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7051 of Business and Professions Code):

I am an owner of the property, or my employee will wage as their sole compensation while the work and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

I am an owner of the property and exempt from the other requirements of the above due to: (1) I am improving or repairing a piece of residential or agricultural structure; (2) the work will be performed prior to sale; (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) have not claimed exemption or the subdivision or more than two structures over this one during any three-year period (Sec. 7044 Business and Professions Code).

I am an owner of the property and exclusively contracting with licensed contractors to construct the project (Sec. 7044 Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who contracts for such project with a contractor licensed pursuant to the Contractor's License Law.

I am exempt under Sec. _____ B&PC for this reason: _____

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of constant or self-insurance, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 2700 Labor Code).

Policy # _____ Company Name: _____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Law of California (not required for work valued at one hundred dollars (\$100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agree to, defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injury, disease or illness, or damage to person and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Gabriel Fusco _____ **01/07/08**

Signature of Permittee Agent for Contractor Owner Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 31) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	LIMITED OPERATING HOURS (7AM-9AM & 4PM-6PM) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
ISSUED BY <i>[Signature]</i>	DATE ISSUED <i>N</i>		

CITY OF OAKLAND • Community and Economic Development Agency

250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation.

Job Site 700 INDEPENDENT RD Parcel# 041 -3910-013-00 Appl# ENMI07331

Descr encroachment for 1 (one) monitoring well. Filed 12/11/07

Insurance Required? YES Carrier Expires

Owner	SPK INDUSTRIAL PORTFOLIO LLC	Applicant		Phone#		Exp#		License Classes--
Contractor								
Arch/Engr								
Agent	GABRIEL FUSON			(510) 628-9000				
Applic Addr	1970 BROADWAY STE 710		OAKLAND CA	94612				

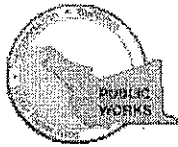
\$974.23	TOTAL FEES PAID AT FILING	\$700.00	TOTAL FEES PAID AT ISSUANCE
\$63.00	Applic	\$5.00	Permit
\$786.00	Process	\$80.66	Rec Mgmt
\$0.00	Gen Plan	\$0.00	Invstg
\$0.00	Other	\$44.57	Tech Enh

CITY OF OAKLAND

JOB SITE

DIST: ADDRESS:

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 12/24/2007 By suel

Permit Numbers: W2007-1242
Permits Valid from 01/09/2008 to 01/11/2008

Application Id: 1197329061219
Site Location: 700 Independent Road, Oakland, CA 94621
- 2 borings on Independent Rd right-of-way, 3 ft south of the north curb, appr. 335 to 400 ft from Coliseum Way.

City of Project Site:Oakland

Project Start Date: 01/09/2008
- 3 borings on 700 Independent Rd property

Completion Date:01/11/2008

Applicant: Kleinfelder - Gabriel Fuson
1970 Broadway, Suite 710, Oakland, CA 94612

Phone: 510-628-9000

Property Owner: Office Properties-Industrial Portfolio, LLC Equity
Office Properties-Industrial Portfolio, LLC
1740 Technology Drive, Suite 150, San Jose, CA 95110

Phone: 408-346-4000

Client: ** same as Property Owner **
Contact: Charlie Almestad

Phone: 510-628-9000
Cell: 925-876-9030

	Total Due:	\$200.00
Receipt Number: WR2007-0558	Total Amount Paid:	\$200.00
Payer Name : Kleinfelder Oakland	Paid By: MC	PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 5 Boreholes
Driller: Resonant Sonic International - Lic #: 802334 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-1242	12/24/2007	04/08/2008	5	2.00 in.	40.00 ft

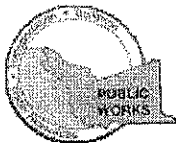
Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

Alameda County Public Works Agency - Water Resources Well Permit

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 6. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
 7. Prior to any drilling activities onto any public rights-of-way, it shall be the applicant's responsibilities to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicant's responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
-

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 12/24/2007 By suel

Permit Numbers: W2007-1243 to W2007-1244
Permits Valid from 01/09/2008 to 01/11/2008

Application Id: 1197332495159
Site Location: 700 Independent Road, Oakland, CA 94621

City of Project Site:Oakland

- 1 well location on Independent Rd right-of-way, 3 ft south of north curb, 335 to 400 ft from Coliseum Way

Project Start Date: 01/09/2008
- 1 well location on 700 Independent Rd property

Completion Date:01/11/2008

Applicant: Kleinfelder - Gabriel Fuson
1970 Broadway, Suite 710, Oakland, CA 94612
Property Owner: Equity Office Properties-Industrial Portfolio, LLC

Phone: 510-628-9000

Phone: 408-346-4000

Equity Office Properties-Industrial Portfolio, LLC
1740 Technology Drive, Suite 150, CA 95110

Client: ** same as Property Owner **
Contact: Charlie Almestad

Phone: 510-628-9000
Cell: 925-876-9030

Receipt Number: WR2007-0559	Total Due:	\$600.00
Payer Name : Kleinfelder Oakland	Total Amount Paid:	\$600.00
	Paid By: MC	PAID IN FULL

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 2 Wells

Driller: Resonant Sonic International - Lic #: 802334 - Method: other

Work Total: \$600.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2007-1243	12/24/2007	04/08/2008	MW-4	8.00 in.	2.00 in.	13.00 ft	25.00 ft
W2007-1244	12/24/2007	04/08/2008	MW-5	8.00 in.	2.00 in.	13.00 ft	25.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

Alameda County Public Works Agency - Water Resources Well Permit

permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.
 5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 8. Minimum surface seal thickness is two inches of cement grout placed by tremie
 9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 11. Prior to any drilling activities onto any public rights-of-way, it shall be the applicant's responsibilities to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicant's responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
-

APPENDIX B

SOIL BORING AND MONITORING WELL BORING LOGS

Date Completed: **1/22/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							ASPHALT - 4 inches thick		
2							FINE SAND with CLAY and GRAVEL (SP) - dark yellowish-brown (10YR 4/6), moist, loose, poorly graded		
3							CLAY (CL) - very dark gray (2.5Y 3/1), moist, soft		
4	K-21-4			75	0.4		- blue mottles		
5									
6									
7							ORGANIC CLAY (OL) - very dark gray, wet, very soft, contains organic material		
8	K-21-8			50	0.3				
9							CLAY (CL) - olive-gray (5Y 4/2), moist, soft		
10									
11									
12	K-21-12			100	0.2		SANDY CLAY (CL) - light olive-brown (2.5Y 5/4), moist, soft		
13							CLAY (CH) - light olive-brown (2.5Y 5/4), moist, medium stiff		
14									
15									
16	K-21-16			100	0.4				
17									
18								▽ K-21-GW-18	
19							MEDIUM SAND with CLAY (SW) - olive-brown (2.5Y 4/4), wet, loose, well graded		
20	K-21-20			75	0.6				
21							COARSE SAND (SW) - olive-brown (2.5Y 4/4), saturated, loose, well graded		
22									
23									
24	K-21-24			63					
25									

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KLEINFELDER

LOG OF BORING NO. K-21

PLATE

PROJECT NO. **54504-5A**

EOP - INDEPENDENT ROAD
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

Date Completed: **1/22/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling


Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
26									
27									
28	K-21-28			100	0.9		- sample liner cracked		
29									
30							CLAY (CL) - brown (10YR 5/3), moist, stiff		
31	K-21-31			100	1.0				
32							CLAY (CL) - brown (10YR 5/3), saturated, very soft		
33									
34	K-21-34			100	0.9		SAND with CLAY (SP) - dark yellowish-brown (10YR 4/6), loose, moist, poorly graded		
35							CLAY (CL) - olive-brown (2.5Y 4/4), wet, stiff		
36	K-21-36			100	0.9				
37									
38							FINE SAND (SP) - olive-brown (2.5Y 4/4), wet, loose, poorly graded		
39									
40	K-21-40			100	1.0				
41							Boring terminated at 40 feet below ground surface.	K-21-GW-40	
42							Backfilled with neat cement.		
43									
44									
45									
46									
47									
48									
49									
50									

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	LOG OF BORING NO. K-21	PLATE
	EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA	(cont'd)
PROJECT NO. 54504-5A		

2/21/2008 8:31:15 AM

Date Completed: **1/22/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling


Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							ASPHALT - 4 inches thick		Traffic - rated well box
2							SAND (SP) - light olive-brown (2.5Y 5/6), dry, loose, poorly graded		
3							CLAY with GRAVEL (CL) - dark olive-gray (5Y 3/2), moist, soft		
4	K-22-4			75	0.6		FINE SAND (SP) - very dark grayish-green (5G 2.5/2), moist, loose, poorly graded		
5							CLAY (CL) - very dark greenish-gray (5G 3/1), moist, soft		Blank 2" SCH40 PVC
6							- concrete fragment		
7							ORGANIC CLAY (OL) - black, wet, very soft		Neat Cement Grout
8	K-22-8			75	0.9		FAT CLAY (CH) - dark olive gray (5Y 3/2), moist, soft		
9									
10									
11									
12	K-22-12			100	0.7		CLAY (CL) - olive-brown (2.5Y 4/4), moist, medium stiff		
13									
14									Bentonite Chips
15	K-22-15			83	0.7		CLAY with SAND (CL) - brown (10YR 5/3), moist, medium stiff		#3 Sand
16									
17									
18	K-22-18			100	0.7				
19									
20							MEDIUM SAND (SW) - dark yellowish-brown (10YR 4/4), saturated, loose, well graded		
21	K-22-21			83	0.8				Screened 2" 0.020 Slot SCH40 PVC
22							COARSE SAND (SW) - brown (10YR 4/3), saturated, loose, well graded		
23									
24	K-22-24			67	0.8				
25								K-22-GW-24	

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	LOG OF BORING NO. K-22	PLATE
	EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA	
PROJECT NO. 54504-5A		

2/21/2008 8:31:16 AM

Date Completed: **1/22/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling


Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
26	K-22-26			100	0.8		FINE SAND with FINES (SP) - light olive-brown (2.5Y 5/6), saturated, loose, poorly graded		
27									
28							SAND with CLAY (SC) - light olive-brown (2.5Y 5/4), saturated, loose, poorly graded		
29	K-22-29			87	0.9				
30							- coarse sand lens		
31									
32	K-22-32			100	0.9				
33							CLAY (CH) - light olive-brown (2.5Y 5/4), wet, stiff (expansive)		
34									
35	K-22-35			100	0.8				
36							FAT CLAY (CH) - olive-brown (2.5Y 4/3), moist, hard (expansive)		
37	K-22-37			100	0.9				
38									
39									
40	K-22-40			100	0.9				
41							Boring terminated at 40 feet below ground surface.		
42							Backfilled with neat cement.		
43							Set well MW-4 using 8" hollow stem auger on 1/24/08.		
44									
45									
46									
47									
48									
49									
50									

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	LOG OF BORING NO. K-22	PLATE
	EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA	(cont'd)
PROJECT NO. 54504-5A		

2/21/2008 8:31:16 AM

Date Completed: **1/23/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling


Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							ASPHALT - 4 inches thick		
2							SANDY GRAVEL (GW) - light olive-brown (2.5Y 5/3), dry, loose, well graded		
3							SILTY CLAY (CL) - very dark gray (2.5Y 3/1), moist, soft		
4	K-23-4			50	0.0		ORGANIC CLAY (OL) - dark olive brown (2.5Y 3/3), wet, soft, organic material		
5									
6									
7									
8	K-23-8			50	0.0		SANDY CLAY (CL) - very dark gray (2.5Y 3/1), moist, soft		
9									
10									
11									
12	K-23-12			100	0.0		SANDY CLAY (CL) - olive-brown (2.5Y 4/4), moist, medium stiff		
13									
14									
15									
16	K-23-16			100	0.0		CLAY with SAND (CH) - yellowish-brown (10YR 5/4), moist, stiff		
17							- increasing sand content		
18									
19							COARSE SAND with fines (SW) - dark yellowish-brown (10YR 4/4), wet, loose, well graded		
20	K-23-20			100	0.0		SANDY CLAY (CL) - light olive-brown (2.5Y 5/4), moist, soft, with oxidation		
21									
22							CLAYEY SAND (SC) - light olive-brown (2.5Y 5/4), wet, loose, poorly graded		
23	K-23-23			100	0.0		FINE SAND with CLAY (SP) - light olive-brown (2.5Y 5/4), wet, loose, poorly graded		
24							- increasing gravel content		
25				100	0.0				

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	LOG OF BORING NO. K-23	PLATE
	EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA	
PROJECT NO. 54504-5A		

2/21/2008 8:31:16 AM

Date Completed: **1/23/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
26	K-23-27			100	0.0		SANDY CLAY (CL) - olive-brown (2.5Y 4/4), moist, medium stiff	▽	
27							- increasing sand content		
28	K-23-30			100			MEDIUM SAND with FINES (SW) - olive-brown (2.5Y 4/4), saturated, loose, well graded	K-23-GW-30	
29									
30	K-23-33			100	0.0		SANDY CLAY (CL) - olive-brown (2.5Y 4/4), moist, stiff		
31							- increasing sand content		
32	K-23-40			100	0.0		CLAY with SAND (CL) - olive-brown (2.5Y 4/4), wet, stiff		
33									
34									
35									
36									
37									
38									
39									
40									
41							Boring terminated at 40 feet below ground surface.		
42							Backfilled with neat cement.		
43									
44									
45									
46									
47									
48									
49									
50									

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	LOG OF BORING NO. K-23	PLATE
	EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA	(cont'd)
PROJECT NO. 54504-5A		

2/21/2008 8:31:16 AM

Date Completed: 1/23/08

Drilling method: Direct Push - Dual Tube

Logged By: J. Williams

AMS Powerprobe 9630 PRO-D

RSI Drilling

Total Depth: 40.0 ft

Hammer Wt: None

Notes: _____

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							ASPHALT - 4 inches thick		
2							GRAVELLY SAND (SW) - dark yellowish-brown (10YR 4/4), moist, loose, well graded		
3							CLAY (CL) - grayish green (5G 4/2), moist, stiff		
4	K-24-4			50	0.0				
5							CLAY with SAND (CL) - very dark greenish-gray (5G 3/1), moist, soft		
6									
7							ORGANIC CLAY (OL) - black, moist, soft, organic material		
8	K-24-8			100	0.0				
9							CLAY (CL) - olive-gray (5Y 4/2), moist, soft		
10									
11									
12	K-24-12			100	0.0		SANDY CLAY (CL) - dark greenish-gray (10GY 4/1), moist, medium stiff		
13							CLAY (CL) - olive-brown (2.5Y 4/4), moist, stiff		
14				100	0.0				
15							SANDY CLAY (CL) - olive-brown (2.5Y 4/4), moist, soft		
16	K-24-16			100	0.0				
17									
18									
19									
20	K-24-20			63	0.0		MEDIUM SAND with GRAVEL (SW) - yellowish-brown (10YR 5/6), wet, loose, well graded		
21							SANDY CLAY (CL) - yellowish-brown (10YR 5/6), moist, medium soft		
22							SAND with CLAY (SC) - yellowish-brown (10YR 5/6), moist, loose, poorly graded		
23	K-24-23			100	0.0				
24							MEDIUM SAND (SP) - yellowish-brown (10YR 5/4), saturated, loose, poorly graded	▽	
25									

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<h1 style="margin: 0;">KLEINFELDER</h1>	<h2 style="margin: 0;">LOG OF BORING NO. K-24</h2>	PLATE
	PROJECT NO. 54504-5A	
EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA		

2/21/2008 8:31:17 AM

Date Completed: **1/23/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling


Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
26									
27	K-24-27			87	0.1			K-24-GW-27	
28									
29							COARSE SAND (SW) - yellowish-brown (10YR 5/8), saturated, loose, well graded		
30	K-24-30			100	0.0				
31							GRAVEL (GW) - yellowish-brown (10YR 5/4), saturated, loose, well graded		
32									
33							SANDY CLAY with GRAVEL (CL) - light olive-brown (2.5Y 5/4), wet, soft		
34	K-24-34			87	0.0				
35							FINE SAND (SP) - light olive-brown (2.5Y 5/4), saturated, loose, poorly graded	K-24-GW-35	
36									
37				67	0.0		CLAY (CH) - light olive-brown (2.5Y 5/4), moist, stiff		
38									
39									
40	K-24-40			100	0.0				
41							Boring terminated at 40 feet below ground surface.		
42							Backfilled with neat cement.		
43									
44									
45									
46									
47									
48									
49									
50									

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	LOG OF BORING NO. K-24	PLATE
	EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA	(cont'd)
PROJECT NO. 54504-5A		

2/21/2008 8:31:17 AM

Date Completed: 1/23/08

Drilling method: Direct Push - Dual Tube

Logged By: J. Williams

AMS Powerprobe 9630 PRO-D

RSI Drilling

Total Depth: 40.0 ft

Hammer Wt: None

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							ASPHALT - 4 inches thick		Traffic rated well box
2							GRAVELLY CLAY (CL) - olive-brown (2.5Y 4/3), moist, stiff		
3							GRAVELLY SAND with FINES (SW)- very dark gray (2.5Y 3/1), moist, loose, well graded		
4	K-25-4			75	0.0		CLAY (CL) - very dark greenish-gray (10Y 3/1), moist, medium soft		
5							CLAY (CL) - very dark gray (2.5Y 3/1), wet, soft		Blank 2" SCH40 PVC
6							- slight hydrocarbon odor		
7							ORGANIC CLAY (OL) - black, moist, soft		Neat Cement Grout
8	K-25-8			75	0.0		CLAY (CL) - dark greenish-gray (10GY 4/1), moist, soft		
9									
10									
11									
12	K-25-12			100	0.0		CLAY (CL) - brown (10YR 4/3), moist, medium stiff		
13									
14									
15									
16	K-25-16			100	0.0		COARSE SAND (SW) - brown (10YR 4/3), wet, loose, well graded		Bentonite Chips
17									# 3 Sand
18									
19									
20	K-25-20			100	0.0		CLAY with SAND (CL) - brown (10YR 4/3), moist, medium stiff		
21									
22									
23	K-25-23			100	0.0		FINE SAND with FINES (SP) - brown (10YR 4/3), moist, loose, poorly graded		Screened 2" 0.020 Slot SCH40 PVC
24				100					
25									

LOG OF BORING NO. K-25

PLATE

KLEINFELDER

EOP - INDEPENDENT ROAD
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

PROJECT NO. 54504-5A

Date Completed: **1/23/08**

Drilling method: **Direct Push - Dual Tube**

Logged By: **J. Williams**

AMS Powerprobe 9630 PRO-D

RSI Drilling

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
26									
27								▽	
28	K-25-28			87	0.0		MEDIUM SAND with FINES (SW) - light olive-brown (2.5Y 5/6), saturated, loose, well graded	K-25-GW-28	
29									
30									
31	K-25-31			100	0.0				
32									
33									
34	K-25-34			100	0.0		SANDY CLAY (CL) - light olive-brown (2.5Y 5/3), saturated, soft		
35							CLAY (CL) - light olive-brown (2.5Y 5/3), wet, stiff		
36							- increasing sand content		
37	K-25-37			100	0.0		MEDIUM SAND (SW) - light olive-brown (2.5Y 5/3), saturated, loose, well graded	K-25-GW-36	
38							- increasing clay content		
39							CLAY (CH) - olive-brown (2.5Y 4/4), moist, stiff		
40	K-25-40			100	0.0				
41							Boring terminated at 40 feet below ground surface.		
42							Backfilled with neat cement.		
43							Set well MW-5 using 8" hollow stem auger on 1/24/08.		
44									
45									
46									
47									
48									
49									
50									

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<h1 style="margin: 0;">KLEINFELDER</h1>	LOG OF BORING NO. K-25	PLATE
	EOP - INDEPENDENT ROAD 700 INDEPENDENT ROAD OAKLAND, CALIFORNIA	(cont'd)
PROJECT NO. 54504-5A		

2/21/2008 8:31:17 AM

APPENDIX C

ANALYTICAL LABORATORY REPORTS



February 05, 2008

Charlie Almestad
KLEINFELDER
1970 Broadway, Suite 710
Oakland, CA 94612
TEL: (510) 628-9000
FAX (510) 628-9009
RE: 54504

Order No.: 0801147

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 27 samples on 1/22/2008 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,


Laboratory Director

2/5/08
Date

Patti Sandrock
QA Officer 



Torrent Laboratory, Inc.

Date: 05-Feb-08

CLIENT: KLEINFELDER
Project: 54504
Lab Order: 0801147

CASE NARRATIVE

Analytical Comment for TPHDOSG_W and TPHDOSG_S, Note: Silica gel clean-up procedures employed on all samples.



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K21-8
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/22/2008 8:58:00 AM

Lab Sample ID: 0801147-002
Date Prepared: 1/26/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/28/2008	0	1	0	27	wt%	R15200
TPH (Diesel)	SW8015B	1/28/2008	2	1	2.75	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/28/2008	0	1	28-125	93.0	%REC	R15209
Benzene	SW8260B	1/26/2008	5	1	6.9	ND	µg/Kg-dry	P15194
Ethylbenzene	SW8260B	1/26/2008	5	1	6.9	ND	µg/Kg-dry	P15194
Methyl tert-butyl ether (MTBE)	SW8260B	1/26/2008	10	1	14	ND	µg/Kg-dry	P15194
Toluene	SW8260B	1/26/2008	5	1	6.9	ND	µg/Kg-dry	P15194
Xylenes, Total	SW8260B	1/26/2008	15	1	21	ND	µg/Kg-dry	P15194
Surr: 4-Bromofluorobenzene	SW8260B	1/26/2008	0	1	55.8-141	134	%REC	P15194
Surr: Dibromofluoromethane	SW8260B	1/26/2008	0	1	59.8-148	141	%REC	P15194
Surr: Toluene-d8	SW8260B	1/26/2008	0	1	55.2-133	100	%REC	P15194
TPH (Gasoline)	SW8260B(TPH)	1/26/2008	100	1	140	ND	µg/Kg-dry	G15194
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/26/2008	0	1	56.9-133	28 S	%REC	G15194

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K21-20
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/22/2008 9:31:00 AM

Lab Sample ID: 0801147-005
Date Prepared: 1/26/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/28/2008	0	1	0	12	wt%	R15200
TPH (Diesel)	SW8015B	1/28/2008	2	1	2.26	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/28/2008	0	1	28-125	90.2	%REC	R15209
Benzene	SW8260B	1/26/2008	5	1	5.7	ND	µg/Kg-dry	P15194
Ethylbenzene	SW8260B	1/26/2008	5	1	5.7	ND	µg/Kg-dry	P15194
Methyl tert-butyl ether (MTBE)	SW8260B	1/26/2008	10	1	11	ND	µg/Kg-dry	P15194
Toluene	SW8260B	1/26/2008	5	1	5.7	ND	µg/Kg-dry	P15194
Xylenes, Total	SW8260B	1/26/2008	15	1	17	ND	µg/Kg-dry	P15194
Surr: 4-Bromofluorobenzene	SW8260B	1/26/2008	0	1	55.8-141	118	%REC	P15194
Surr: Dibromofluoromethane	SW8260B	1/26/2008	0	1	59.8-148	138	%REC	P15194
Surr: Toluene-d8	SW8260B	1/26/2008	0	1	55.2-133	126	%REC	P15194
TPH (Gasoline)	SW8260B(TPH)	1/26/2008	100	1	110	ND	µg/Kg-dry	G15194
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/26/2008	0	1	56.9-133	54 S	%REC	G15194

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K21-31
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/22/2008 10:44:00 AM

Lab Sample ID: 0801147-008
Date Prepared: 1/26/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/28/2008	0	1	0	24	wt%	R15200
TPH (Diesel)	SW8015B	1/28/2008	2	1	2.65	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/28/2008	0	1	28-125	91.0	%REC	R15209
Benzene	SW8260B	1/26/2008	5	1	6.6	ND	µg/Kg-dry	P15194
Ethylbenzene	SW8260B	1/26/2008	5	1	6.6	ND	µg/Kg-dry	P15194
Methyl tert-butyl ether (MTBE)	SW8260B	1/26/2008	10	1	13	ND	µg/Kg-dry	P15194
Toluene	SW8260B	1/26/2008	5	1	6.6	ND	µg/Kg-dry	P15194
Xylenes, Total	SW8260B	1/26/2008	15	1	20	ND	µg/Kg-dry	P15194
Surr: 4-Bromofluorobenzene	SW8260B	1/26/2008	0	1	55.8-141	132	%REC	P15194
Surr: Dibromofluoromethane	SW8260B	1/26/2008	0	1	59.8-148	140	%REC	P15194
Surr: Toluene-d8	SW8260B	1/26/2008	0	1	55.2-133	119	%REC	P15194
TPH (Gasoline)	SW8260B(TPH)	1/26/2008	100	1	130	ND	µg/Kg-dry	G15194
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/26/2008	0	1	56.9-133	28 S	%REC	G15194

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K22-8
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/22/2008 12:48:00 PM

Lab Sample ID: 0801147-013
Date Prepared: 1/26/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/28/2008	0	1	0	18	wt%	R15200
TPH (Diesel)	SW8015B	1/28/2008	2	1	2.45	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/28/2008	0	1	28-125	90.9	%REC	R15209
Benzene	SW8260B	1/26/2008	5	1	6.1	ND	µg/Kg-dry	P15194
Ethylbenzene	SW8260B	1/26/2008	5	1	6.1	ND	µg/Kg-dry	P15194
Methyl tert-butyl ether (MTBE)	SW8260B	1/26/2008	10	1	12	ND	µg/Kg-dry	P15194
Toluene	SW8260B	1/26/2008	5	1	6.1	ND	µg/Kg-dry	P15194
Xylenes, Total	SW8260B	1/26/2008	15	1	18	ND	µg/Kg-dry	P15194
Surr: 4-Bromofluorobenzene	SW8260B	1/26/2008	0	1	55.8-141	132	%REC	P15194
Surr: Dibromofluoromethane	SW8260B	1/26/2008	0	1	59.8-148	133	%REC	P15194
Surr: Toluene-d8	SW8260B	1/26/2008	0	1	55.2-133	106	%REC	P15194
TPH (Gasoline)	SW8260B(TPH)	1/26/2008	100	1	120	ND	µg/Kg-dry	G15194
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/26/2008	0	1	56.9-133	12 S	%REC	G15194

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K22-21
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/22/2008 1:36:00 PM

Lab Sample ID: 0801147-017
Date Prepared: 2/3/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/28/2008	0	1	0	17	wt%	R15200
TPH (Diesel)	SW8015B	1/28/2008	2	1	2.41	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/28/2008	0	1	28-125	94.3	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	6.0	ND	µg/Kg-dry	R15274
Ethylbenzene	SW8260B	2/3/2008	5	1	6.0	ND	µg/Kg-dry	R15274
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	12	ND	µg/Kg-dry	R15274
Toluene	SW8260B	2/3/2008	5	1	6.0	ND	µg/Kg-dry	R15274
Xylenes, Total	SW8260B	2/3/2008	15	1	18	ND	µg/Kg-dry	R15274
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	103	%REC	R15274
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	95.7	%REC	R15274
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	95.4	%REC	R15274
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	120	ND	µg/Kg-dry	G15274
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	75.0	%REC	G15274

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K22-29
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/22/2008 2:42:00 PM

Lab Sample ID: 0801147-020
Date Prepared: 1/27/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/28/2008	0	1	0	19	wt%	R15200
TPH (Diesel)	SW8015B	1/28/2008	2	1	2.47	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/28/2008	0	1	28-125	92.0	%REC	R15209
Benzene	SW8260B	1/27/2008	5	1	6.2	ND	µg/Kg-dry	P15194
Ethylbenzene	SW8260B	1/27/2008	5	1	6.2	ND	µg/Kg-dry	P15194
Methyl tert-butyl ether (MTBE)	SW8260B	1/27/2008	10	1	12	ND	µg/Kg-dry	P15194
Toluene	SW8260B	1/27/2008	5	1	6.2	ND	µg/Kg-dry	P15194
Xylenes, Total	SW8260B	1/27/2008	15	1	18	ND	µg/Kg-dry	P15194
Surr: 4-Bromofluorobenzene	SW8260B	1/27/2008	0	1	55.8-141	107	%REC	P15194
Surr: Dibromofluoromethane	SW8260B	1/27/2008	0	1	59.8-148	129	%REC	P15194
Surr: Toluene-d8	SW8260B	1/27/2008	0	1	55.2-133	103	%REC	P15194
TPH (Gasoline)	SW8260B(TPH)	1/27/2008	100	1	120	ND	µg/Kg-dry	G15194
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/27/2008	0	1	56.9-133	51 S	%REC	G15194

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K22-40
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/22/2008 3:04:00 PM

Lab Sample ID: 0801147-024
Date Prepared: 1/27/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/28/2008	0	1	0	15	wt%	R15200
TPH (Diesel)	SW8015B	1/28/2008	2	1	2.36	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/28/2008	0	1	28-125	90.9	%REC	R15209
Benzene	SW8260B	1/27/2008	5	1	5.9	ND	µg/Kg-dry	P15194
Ethylbenzene	SW8260B	1/27/2008	5	1	5.9	ND	µg/Kg-dry	P15194
Methyl tert-butyl ether (MTBE)	SW8260B	1/27/2008	10	1	12	ND	µg/Kg-dry	P15194
Toluene	SW8260B	1/27/2008	5	1	5.9	ND	µg/Kg-dry	P15194
Xylenes, Total	SW8260B	1/27/2008	15	1	18	ND	µg/Kg-dry	P15194
Surr: 4-Bromofluorobenzene	SW8260B	1/27/2008	0	1	55.8-141	148 S	%REC	P15194
Surr: Dibromofluoromethane	SW8260B	1/27/2008	0	1	59.8-148	138	%REC	P15194
Surr: Toluene-d8	SW8260B	1/27/2008	0	1	55.2-133	92.2	%REC	P15194
TPH (Gasoline)	SW8260B(TPH)	1/27/2008	100	1	120	ND	µg/Kg-dry	G15194
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/27/2008	0	1	56.9-133	54 S	%REC	G15194

Note: S - Surrogate recovery out of acceptance limits due to matrix effect. Result confirmed by second run

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K21-GW-18
Sample Location: EOP-700 Independent Rd
Sample Matrix: WATER
Date/Time Sampled 1/22/2008 9:53:00 AM

Lab Sample ID: 0801147-025
Date Prepared: 2/1/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/27/2008	0.1	1	0.123	ND	mg/L	R15191
Surr: Pentacosane	SW8015B	1/27/2008	0	1	40-120	92.0	%REC	R15191
Note: Reporting limits increased due to limited sample available.								
Benzene	SW8260B	2/1/2008	0.5	1.19	0.595	ND	µg/L	R15269
Ethylbenzene	SW8260B	2/1/2008	0.5	1.19	0.595	ND	µg/L	R15269
Methyl tert-butyl ether (MTBE)	SW8260B	2/1/2008	0.5	1.19	0.595	ND	µg/L	R15269
Toluene	SW8260B	2/1/2008	0.5	1.19	0.595	ND	µg/L	R15269
Xylenes, Total	SW8260B	2/1/2008	1.5	1.19	1.79	ND	µg/L	R15269
Surr: Dibromofluoromethane	SW8260B	2/1/2008	0	1.19	61.2-131	96.7	%REC	R15269
Surr: 4-Bromofluorobenzene	SW8260B	2/1/2008	0	1.19	64.1-120	99.1	%REC	R15269
Surr: Toluene-d8	SW8260B	2/1/2008	0	1.19	75.1-127	96.9	%REC	R15269

Note: Sample diluted prior to the analysis due to high level of sediment in all VOAs.

TPH (Gasoline)	SW8260B(TPH)	2/1/2008	50	1.19	60	ND	µg/L	G15269
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/1/2008	0	1.19	58.4-133	109	%REC	G15269

Note: See comment for 8260B analysis.

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K21-GW-40
Sample Location: EOP-700 Independent Rd
Sample Matrix: WATER
Date/Time Sampled 1/22/2008 11:15:00 AM

Lab Sample ID: 0801147-026
Date Prepared: 2/1/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/27/2008	0.1	1	0.109	ND	mg/L	R15191
Surr: Pentacosane	SW8015B	1/27/2008	0	1	40-120	93.0	%REC	R15191
Note: Reporting limits increased due to limited sample available.								
Benzene	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Ethylbenzene	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Methyl tert-butyl ether (MTBE)	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Toluene	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Xylenes, Total	SW8260B	2/1/2008	1.5	1	1.50	ND	µg/L	R15269
Surr: Dibromofluoromethane	SW8260B	2/1/2008	0	1	61.2-131	95.1	%REC	R15269
Surr: 4-Bromofluorobenzene	SW8260B	2/1/2008	0	1	64.1-120	98.7	%REC	R15269
Surr: Toluene-d8	SW8260B	2/1/2008	0	1	75.1-127	95.2	%REC	R15269
TPH (Gasoline)	SW8260B(TPH)	2/1/2008	50	1	50	ND	µg/L	G15269
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/1/2008	0	1	58.4-133	98.3	%REC	G15269

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/22/2008
Date Reported: 2/5/2008

Client Sample ID: K22-GW-24
Sample Location: EOP-700 Independent Rd
Sample Matrix: WATER
Date/Time Sampled 1/22/2008 2:18:00 PM

Lab Sample ID: 0801147-027
Date Prepared: 2/1/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/27/2008	0.1	1	0.111	ND	mg/L	R15191
Surr: Pentacosane	SW8015B	1/27/2008	0	1	40-120	93.0	%REC	R15191
Note: Reporting limits increased due to limited sample available.								
Benzene	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Ethylbenzene	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Methyl tert-butyl ether (MTBE)	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Toluene	SW8260B	2/1/2008	0.5	1	0.500	ND	µg/L	R15269
Xylenes, Total	SW8260B	2/1/2008	1.5	1	1.50	ND	µg/L	R15269
Surr: Dibromofluoromethane	SW8260B	2/1/2008	0	1	61.2-131	87.4	%REC	R15269
Surr: 4-Bromofluorobenzene	SW8260B	2/1/2008	0	1	64.1-120	97.4	%REC	R15269
Surr: Toluene-d8	SW8260B	2/1/2008	0	1	75.1-127	86.6	%REC	R15269
TPH (Gasoline)	SW8260B(TPH)	2/1/2008	50	1	50	ND	µg/L	G15269
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/1/2008	0	1	58.4-133	69.8	%REC	G15269

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15194

Sample ID MB-G	SampType: MBLK	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 1/26/2008	RunNo: 15194						
Client ID: ZZZZZ	Batch ID: G15194	TestNo: SW8260B(TP)	Analysis Date: 1/26/2008	SeqNo: 218900							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	100									
Surr: 4-Bromofllurobenzene	44.60	0	50	0	89.2	56.9	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 1/26/2008	RunNo: 15194						
Client ID: ZZZZZ	Batch ID: G15194	TestNo: SW8260B(TP)	Analysis Date: 1/26/2008	SeqNo: 218901							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	904.4	100	1000	0	90.4	48.2	132				
Surr: 4-Bromofllurobenzene	43.70	0	50	0	87.4	56.9	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 1/26/2008	RunNo: 15194						
Client ID: ZZZZZ	Batch ID: G15194	TestNo: SW8260B(TP)	Analysis Date: 1/26/2008	SeqNo: 218902							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	1053	100	1000	0	105	48.2	132	904.4	15.2	30	
Surr: 4-Bromofllurobenzene	47.00	0	50	0	94.0	56.9	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15269

Sample ID MB-G	SampType: MBLK	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269						
Client ID: ZZZZZ	Batch ID: G15269	TestNo: SW8260B(TP)	Analysis Date: 2/1/2008	SeqNo: 219560							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	ND	50									
Surr: 4-Bromoflurobenzene	10.50	0	11.36	0	92.4	58.4	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269						
Client ID: ZZZZZ	Batch ID: G15269	TestNo: SW8260B(TP)	Analysis Date: 2/1/2008	SeqNo: 219561							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	235.4	50	227	0	104	52.4	127				
Surr: 4-Bromoflurobenzene	10.20	0	11.36	0	89.8	58.4	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269						
Client ID: ZZZZZ	Batch ID: G15269	TestNo: SW8260B(TP)	Analysis Date: 2/1/2008	SeqNo: 219562							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	234.7	50	227	0	103	52.4	127	235.4	0.298	20	
Surr: 4-Bromoflurobenzene	10.20	0	11.36	0	89.8	58.4	133	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15274

Sample ID MB-G	SampType: MBLK	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15274						
Client ID: ZZZZ	Batch ID: G15274	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219786							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	ND	100									
Surr: 4-Bromoflurobenzene	46.30	0	50	0	92.6	56.9	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15274						
Client ID: ZZZZ	Batch ID: G15274	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219794							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	922.9	100	1000	0	92.3	48.2	132				
Surr: 4-Bromoflurobenzene	47.60	0	50	0	95.2	56.9	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15274						
Client ID: ZZZZ	Batch ID: G15274	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219795							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	924.9	100	1000	0	92.5	48.2	132	922.9	0.216	30	
Surr: 4-Bromoflurobenzene	48.60	0	50	0	97.2	56.9	133	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: P15194

Sample ID MB-P	SampType: MBLK	TestCode: 8260B_S_PE	Units: µg/Kg			Prep Date: 1/26/2008	RunNo: 15194					
Client ID: ZZZZZ	Batch ID: P15194	TestNo: SW8260B				Analysis Date: 1/26/2008	SeqNo: 219475					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,2-Dibromoethane (EDB)	ND	5.0										
1,2-Dichloroethane (EDC)	ND	5.0										
Benzene	ND	5.0										
Ethanol	ND	100										
Ethyl tert-butyl ether (ETBE)	ND	5.0										
Ethylbenzene	ND	5.0										
Methyl tert-butyl ether (MTBE)	ND	10										
t-Butyl alcohol (t-Butanol)	ND	50										
tert-Amyl methyl ether (TAME)	ND	5.0										
Toluene	ND	5.0										
Xylenes, Total	ND	15										
Surr: 4-Bromofluorobenzene	50.51	0	50	0	101	55.8	141					
Surr: Dibromofluoromethane	60.69	0	50	0	121	59.8	148					
Surr: Toluene-d8	49.05	0	50	0	98.1	55.2	133					

Sample ID LCS-P	SampType: LCS	TestCode: 8260B_S_PE	Units: µg/Kg			Prep Date: 1/27/2008	RunNo: 15194					
Client ID: ZZZZZ	Batch ID: P15194	TestNo: SW8260B				Analysis Date: 1/27/2008	SeqNo: 219476					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	58.09	5.0	50	0	116	66.5	135					
Toluene	56.63	5.0	50	0	113	56.8	134					
Surr: 4-Bromofluorobenzene	60.83	0	50	0	122	55.8	141					
Surr: Dibromofluoromethane	51.57	0	50	0	103	59.8	148					
Surr: Toluene-d8	61.99	0	50	0	124	55.2	133					

Sample ID LCSD-P	SampType: LCSD	TestCode: 8260B_S_PE	Units: µg/Kg			Prep Date: 1/26/2008	RunNo: 15194					
Client ID: ZZZZZ	Batch ID: P15194	TestNo: SW8260B				Analysis Date: 1/26/2008	SeqNo: 219478					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	46.43	5.0	50	0	92.9	66.5	135					
Toluene	46.50	5.0	50	0	93.0	56.8	134					

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: P15194

Sample ID	LCSD-P	SampType:	LCSD	TestCode:	8260B_S_PE	Units:	µg/Kg	Prep Date:	1/26/2008	RunNo:	15194
Client ID:	ZZZZZ	Batch ID:	P15194	TestNo:	SW8260B	Analysis Date:	1/26/2008	SeqNo:	219478		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	29.52	0	50	0	59.0	55.8	141				
Surr: Dibromofluoromethane	62.59	0	50	0	125	59.8	148				
Surr: Toluene-d8	51.52	0	50	0	103	55.2	133				

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15191

Sample ID WDSG080125A-MB	SampType: MBLK	TestCode: TPHDOSG_	Units: mg/L	Prep Date: 1/25/2008	RunNo: 15191						
Client ID: ZZZZZ	Batch ID: R15191	TestNo: SW8015B	Analysis Date: 1/25/2008	SeqNo: 218255							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	ND	0.100									
TPH (Motor Oil)	ND	0.200									
Surr: Pentacosane	0.08800	0	0.1	0	88.0	40	120				

Sample ID WDSG080125A-LCS	SampType: LCS	TestCode: TPHDOSG_	Units: mg/L	Prep Date: 1/25/2008	RunNo: 15191						
Client ID: ZZZZZ	Batch ID: R15191	TestNo: SW8015B	Analysis Date: 1/25/2008	SeqNo: 218256							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.5700	0.100	1	0	57.0	30	68.5				
Surr: Pentacosane	0.09900	0	0.1	0	99.0	46.8	104				

Sample ID WDSG080125A-LCS	SampType: LCSD	TestCode: TPHDOSG_	Units: mg/L	Prep Date: 1/25/2008	RunNo: 15191						
Client ID: ZZZZZ	Batch ID: R15191	TestNo: SW8015B	Analysis Date: 1/25/2008	SeqNo: 218257							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.5920	0.100	1	0	59.2	30	68.5	0.57	3.79	30	
Surr: Pentacosane	0.09400	0	0.1	0	94.0	46.8	104	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15209

Sample ID SDSG080128A-MB	SampType: MBLK	TestCode: TPHDSG_S	Units: mg/Kg	Prep Date: 1/28/2008	RunNo: 15209						
Client ID: ZZZZZ	Batch ID: R15209	TestNo: SW8015B		Analysis Date: 1/28/2008	SeqNo: 218618						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	ND	2.00									
Surr: Pentacosane	2.944	0	3.3	0	89.2	28	125				

Sample ID SDSG080128A-LCS	SampType: LCS	TestCode: TPHDSG_S	Units: mg/Kg	Prep Date: 1/28/2008	RunNo: 15209						
Client ID: ZZZZZ	Batch ID: R15209	TestNo: SW8015B		Analysis Date: 1/28/2008	SeqNo: 218619						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	23.69	2.00	33.33	0	71.1	26.6	128				
Surr: Pentacosane	2.991	0	3.3	0	90.6	28	125				

Sample ID SDSG080128A-LCS	SampType: LCSD	TestCode: TPHDSG_S	Units: mg/Kg	Prep Date: 1/28/2008	RunNo: 15209						
Client ID: ZZZZZ	Batch ID: R15209	TestNo: SW8015B		Analysis Date: 1/28/2008	SeqNo: 218620						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	24.36	2.00	33.33	0	73.1	26.6	128	23.69	2.80	30	
Surr: Pentacosane	2.947	0	3.3	0	89.3	28	125	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15269

Sample ID MB	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269
Client ID: ZZZZZ	Batch ID: R15269	TestNo: SW8260B		Analysis Date: 2/1/2008	SeqNo: 219516

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	0.500									
1,1-Dichloroethane	ND	0.500									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	0.500									
1,2,3-Trichlorobenzene	ND	0.500									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dichloroethane (EDC)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,4-Dioxane	ND	5.00									
2,2-Dichloropropane	ND	0.500									
2-Chloroethyl vinyl ether	ND	1.00									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
Acetone	ND	10.0									
Benzene	ND	0.500									
Bromobenzene	ND	0.500									
Bromochloromethane	ND	0.500									
Bromodichloromethane	ND	0.500									
Bromoform	ND	1.00									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15269

Sample ID MB	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269						
Client ID: ZZZZZ	Batch ID: R15269	TestNo: SW8260B		Analysis Date: 2/1/2008	SeqNo: 219516						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromomethane	ND	1.00									
Carbon tetrachloride	ND	0.500									
Chlorobenzene	ND	0.500									
Chloroform	ND	0.500									
Chloromethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Dibromochloromethane	ND	0.500									
Dibromomethane	ND	0.500									
Dichlorodifluoromethane	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
Freon-113	ND	1.00									
Hexachlorobutadiene	ND	0.500									
Isopropylbenzene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	0.500									
Methylene chloride	ND	5.00									
Naphthalene	ND	0.500									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
Trichloroethene	ND	0.500									
Trichlorofluoromethane	ND	0.500									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15269

Sample ID MB	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269
Client ID: ZZZZZ	Batch ID: R15269	TestNo: SW8260B		Analysis Date: 2/1/2008	SeqNo: 219516

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	10.76	0	11.36	0	94.7	61.2	131				
Surr: 4-Bromofluorobenzene	11.07	0	11.36	0	97.4	64.1	120				
Surr: Toluene-d8	11.07	0	11.36	0	97.4	75.1	127				

Sample ID LCS	SampType: LCS	TestCode: 8260B_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269
Client ID: ZZZZZ	Batch ID: R15269	TestNo: SW8260B		Analysis Date: 2/1/2008	SeqNo: 219517

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	15.14	1.00	17.04	0	88.8	61.4	129				
Benzene	15.47	0.500	17.04	0	90.8	66.9	140				
Chlorobenzene	17.86	0.500	17.04	0	105	73.9	137				
Toluene	17.19	0.500	17.04	0	101	76.6	123				
Trichloroethene	16.73	0.500	17.04	0	98.2	69.3	144				
Surr: Dibromofluoromethane	10.03	0	11.36	0	88.3	61.2	131				
Surr: 4-Bromofluorobenzene	12.12	0	11.36	0	107	64.1	120				
Surr: Toluene-d8	10.98	0	11.36	0	96.7	75.1	127				

Sample ID LCSD	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 2/1/2008	RunNo: 15269
Client ID: ZZZZZ	Batch ID: R15269	TestNo: SW8260B		Analysis Date: 2/1/2008	SeqNo: 219518

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	13.97	1.00	17.04	0	82.0	61.4	129	15.14	8.04	20	
Benzene	13.53	0.500	17.04	0	79.4	66.9	140	15.47	13.4	20	
Chlorobenzene	15.18	0.500	17.04	0	89.1	73.9	137	17.86	16.2	20	
Toluene	14.15	0.500	17.04	0	83.0	76.6	123	17.19	19.4	20	
Trichloroethene	14.59	0.500	17.04	0	85.6	69.3	144	16.73	13.7	20	
Surr: Dibromofluoromethane	10.43	0	11.36	0	91.8	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.28	0	11.36	0	99.3	64.1	120	0	0	0	
Surr: Toluene-d8	11.51	0	11.36	0	101	75.1	127	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15274

Sample ID blk	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/2/2008	RunNo: 15274
Client ID: ZZZZZ	Batch ID: R15274	TestNo: SW8260B		Analysis Date: 2/2/2008	SeqNo: 219602

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10									
1,1,1-Trichloroethane	ND	10									
1,1,2,2-Tetrachloroethane	ND	10									
1,1,2-Trichloroethane	ND	10									
1,1-Dichloroethane	ND	10									
1,1-Dichloroethene	ND	10									
1,1-Dichloropropene	ND	10									
1,2,3-Trichlorobenzene	ND	10									
1,2,3-Trichloropropane	ND	10									
1,2,4-Trichlorobenzene	ND	10									
1,2,4-Trimethylbenzene	ND	10									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane (EDB)	ND	10									
1,2-Dichlorobenzene	ND	10									
1,2-Dichloroethane (EDC)	ND	10									
1,2-Dichloropropane	ND	10									
1,3,5-Trimethylbenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,3-Dichloropropene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,2-Dichloropropane	ND	10									
2-Chloroethyl vinyl ether	ND	10									
2-Chlorotoluene	ND	10									
4-Chlorotoluene	ND	10									
4-Isopropyltoluene	ND	10									
Benzene	ND	10									
Bromobenzene	ND	10									
Bromochloromethane	ND	10									
Bromodichloromethane	ND	10									
Bromoform	ND	10									
Bromomethane	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15274

Sample ID blk	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/2/2008	RunNo: 15274
Client ID: ZZZZZ	Batch ID: R15274	TestNo: SW8260B		Analysis Date: 2/2/2008	SeqNo: 219602

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	10									
Chlorobenzene	ND	10									
Chloroform	ND	10									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	10									
cis-1,3-Dichloropropene	ND	10									
Dibromochloromethane	ND	10									
Dibromomethane	ND	10									
Dichlorodifluoromethane	ND	10									
Ethyl tert-butyl ether (ETBE)	ND	10									
Ethylbenzene	ND	10									
Freon-113	ND	10									
Hexachlorobutadiene	ND	10									
Isopropylbenzene	ND	10									
Methyl tert-butyl ether (MTBE)	ND	10									
Methylene chloride	ND	50									
Naphthalene	ND	20									
n-Butylbenzene	ND	10									
n-Propylbenzene	ND	10									
sec-Butylbenzene	ND	10									
Styrene	ND	10									
t-Butyl alcohol (t-Butanol)	ND	50									
tert-Amyl methyl ether (TAME)	ND	10									
tert-Butylbenzene	ND	10									
Tetrachloroethene	ND	10									
Toluene	ND	10									
trans-1,2-Dichloroethene	ND	10									
trans-1,3-Dichloropropene	ND	10									
Trichloroethene	ND	10									
Trichlorofluoromethane	ND	10									
Vinyl chloride	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801147
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15274

Sample ID blk	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/2/2008	RunNo: 15274						
Client ID: ZZZZZ	Batch ID: R15274	TestNo: SW8260B		Analysis Date: 2/2/2008	SeqNo: 219602						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	20									
Surr: 4-Bromofluorobenzene	51.32	0	50	0	103	55.8	141				
Surr: Dibromofluoromethane	57.48	0	50	0	115	59.8	148				
Surr: Toluene-d8	47.75	0	50	0	95.5	55.2	133				

Sample ID lcs	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/2/2008	RunNo: 15274						
Client ID: ZZZZZ	Batch ID: R15274	TestNo: SW8260B		Analysis Date: 2/2/2008	SeqNo: 219603						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	49.25	10	50	0	98.5	53.7	139				
Benzene	52.89	10	50	0	106	66.5	135				
Chlorobenzene	42.62	10	50	0	85.2	57.5	150				
Toluene	59.40	10	50	0	119	56.8	134				
Trichloroethene	54.65	10	50	0	109	57.4	134				
Surr: 4-Bromofluorobenzene	50.12	0	50	0	100	55.8	141				
Surr: Dibromofluoromethane	46.30	0	50	0	92.6	59.8	148				
Surr: Toluene-d8	57.55	0	50	0	115	55.2	133				

Sample ID lcsd	SampType: LCSD	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/2/2008	RunNo: 15274						
Client ID: ZZZZZ	Batch ID: R15274	TestNo: SW8260B		Analysis Date: 2/2/2008	SeqNo: 219604						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	49.41	10	50	0	98.8	53.7	139	49.25	0.324	30	
Benzene	51.41	10	50	0	103	66.5	135	52.89	2.84	30	
Chlorobenzene	32.21	10	50	0	64.4	57.5	150	42.62	27.8	30	
Toluene	58.16	10	50	0	116	56.8	134	59.4	2.11	30	
Trichloroethene	59.76	10	50	0	120	57.4	134	54.65	8.93	30	
Surr: 4-Bromofluorobenzene	55.77	0	50	0	112	55.8	141	0	0	0	
Surr: Dibromofluoromethane	49.35	0	50	0	98.7	59.8	148	0	0	0	
Surr: Toluene-d8	58.02	0	50	0	116	55.2	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

KLEINFELDER

0801147

1504

PROJECT NAME
EOP-700 Independent Road

RECEIVING LAB:
Torrent

L.P. NO. (P.O. NO.)
SAMPLERS: (Signature/Number)
JOHN WILLIAMS

NO. OF CONTAINERS

TYPE OF CONTAINERS

ANALYSIS
BTEX & MTBE - EPA 8260B
TPH - gravimetric - EPA 8260B
TPH - diesel - EPA 8260B
with silica gel cleanup
Hold (Archive)

INSTRUCTIONS/REMARKS
- report soil as dry weight

DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS	REMARKS
01/22/08	08-55-00	K21-4	S	1	poly liner		01A
	08-58-00	K21-8					02A
	09-04-00	K21-12					03A
	09-10-00	K21-16					04A
	09-31-00	K21-20					05A
	10-03-00	K21-24					06A
	10-25-00	K21-28					07A
	10-44-00	K21-31					08A
	10-49-00	K21-34					09A
	10-55-00	K21-36					10A
	10-58-00	K21-40					11A
	12-47-00	K22-4					12A
	12-48-00	K22-8					13A
	12-52-00	K22-12					14A
	13-04-00	K22-16					15A
	13-08-00	K22-18					16A
	13-36-00	K22-21					17A
	13-42-00	K22-24					Time: 1402-00 18A
	14-39-00	K22-26					19A
	14-42-00	K22-29					20A

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 01/22/08 16:10	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 1-22-08 17:10	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks:
- Standard TAT
- Level II data package
& EQUIS E2EDD

Send Results To: Charlie Almestad
KLEINFELDER calmestad@kleinfelder.com
1970 Broadway
SUITE 710
Oakland, CA 94612
(510) 628-9000
Attn: Patricia Walters pwalters@kleinfelder.com

PROJECT NO. 54504		PROJECT NAME EOP-700 Independent Rd.			NO. OF CONTAINERS	TYPE OF CONTAINERS	RECEIVING LAB: Torrent
L.P. NO. (P.O. NO.)		SAMPLERS: (Signature/Number) John Williams					
DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX				
1	01/22/08	14-48-00	K22-32	S	1	poly liner	21 A
2		14-52-00	K22-35	↓	↓	↓	22 A
3		14-59-00	K22-37	↓	↓	↓	23 A
4		15-04-00	K22-40	↓	↓	↓	24 A
5		09-53-00	K21-GW-18	W	6	4 VOA 2 Amber	25 A
6		11-15-00	K21-GW-40	↓	6	↓	26 A
7	↓	14-18-00	K22-GW-24	↓	6	↓	27 A
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

ANALYSIS
 TPH-9 (EPA 8260B)
 BTEX/MTBE (EPA 8260B)
 TPH-d (EPA 8015B)
 with silica gel cleanup
 Hold (Archive)

Temp. Blank - 5°C

Relinquished by: (Signature) 	Date/Time 01/22/08 16:10	Received by: (Signature) 	Instructions/Remarks: - Standard TAT - Level II data package & EQUIS EZEDD	Send Results To: Charlie Almestad calmestad@kleinfelder.com KLEINFELDER 1970 Broadway SUITE 710 Oakland, CA 94612 (510) 628-9000 and Attn: Patricia Walters pwalters@kleinfelder.com
Relinquished by: (Signature) 	Date/Time 1-22-08	Received by: (Signature) 		
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)		



February 05, 2008

Charlie Almestad
KLEINFELDER
1970 Broadway, Suite 710
Oakland, CA 94612
TEL: (510) 628-9000
FAX (510) 628-9009
RE: 54504

Order No.: 0801160

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 23 samples on 1/23/2008 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,


Laboratory Director

2/5/08
Date

Patti Sandrock
QA Officer 



Torrent Laboratory, Inc.

Date: 05-Feb-08

CLIENT: KLEINFELDER

Project: 54504

Lab Order: 0801160

CASE NARRATIVE

Analytical Comment for TPHDOSG_W and TPHDOSG_S, Note: Silica gel clean-up procedures employed on all samples.



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K23-8
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 8:27:00 AM

Lab Sample ID: 0801160-002
Date Prepared: 2/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	24	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.64	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	85.5	%REC	R15209
Benzene	SW8260B	2/5/2008	5	1	6.6	ND	µg/Kg-dry	R15306
Ethylbenzene	SW8260B	2/5/2008	5	1	6.6	ND	µg/Kg-dry	R15306
Methyl tert-butyl ether (MTBE)	SW8260B	2/5/2008	10	1	13	ND	µg/Kg-dry	R15306
Toluene	SW8260B	2/5/2008	5	1	6.6	ND	µg/Kg-dry	R15306
Xylenes, Total	SW8260B	2/5/2008	15	1	20	ND	µg/Kg-dry	R15306
Surr: 4-Bromofluorobenzene	SW8260B	2/5/2008	0	1	55.8-141	94.8	%REC	R15306
Surr: Dibromofluoromethane	SW8260B	2/5/2008	0	1	59.8-148	75.2	%REC	R15306
Surr: Toluene-d8	SW8260B	2/5/2008	0	1	55.2-133	93.9	%REC	R15306
TPH (Gasoline)	SW8260B(TPH)	2/5/2008	100	1	130	ND	µg/Kg-dry	G15306
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/5/2008	0	1	56.9-133	43 S	%REC	G15306

Note: S - Outlying surrogate recovery was observed in this sample. Duplicate analysis yielded similar results indicating a matrix effect.

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K23-20
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 8:37:00 AM

Lab Sample ID: 0801160-005
Date Prepared: 2/3/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	15	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.36	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	89.7	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	12	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	18	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	120	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	98.3	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	94.7	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	120	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	75.6	%REC	G15292

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K23-27
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 9:31:00 AM

Lab Sample ID: 0801160-007
Date Prepared: 2/3/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	15	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.34	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	97.6	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	12	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	18	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	121	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	131	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	90.4	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	120	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	55 S	%REC	G15292

Note: S - Low surrogate recovery due to possible matrix effect.

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K23-40
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 11:05:00 AM

Lab Sample ID: 0801160-010
Date Prepared: 2/3/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	24	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.62	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	83.1	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	6.5	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	6.5	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	13	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	6.5	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	20	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	120	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	108	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	90.6	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	130	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	71.8	%REC	G15292

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K23-GW-30
Sample Location: EOP-700 Independent Rd
Sample Matrix: WATER
Date/Time Sampled 1/23/2008 10:25:00 AM

Lab Sample ID: 0801160-011
Date Prepared: 1/30/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/30/2008	0.1	1	0.116	ND	mg/L	R15235
Surr: Pentacosane	SW8015B	1/30/2008	0	1	40-120	81.0	%REC	R15235
Note: Reporting limits increased due to limited sample available (sediment present).								
Benzene	SW8260B	1/30/2008	0.5	1.26	0.630	ND	µg/L	R15242
Ethylbenzene	SW8260B	1/30/2008	0.5	1.26	0.630	ND	µg/L	R15242
Methyl tert-butyl ether (MTBE)	SW8260B	1/30/2008	0.5	1.26	0.630	ND	µg/L	R15242
Toluene	SW8260B	1/30/2008	0.5	1.26	0.630	ND	µg/L	R15242
Xylenes, Total	SW8260B	1/30/2008	1.5	1.26	1.89	ND	µg/L	R15242
Surr: Dibromofluoromethane	SW8260B	1/30/2008	0	1.26	61.2-131	84.7	%REC	R15242
Surr: 4-Bromofluorobenzene	SW8260B	1/30/2008	0	1.26	64.1-120	92.4	%REC	R15242
Surr: Toluene-d8	SW8260B	1/30/2008	0	1.26	75.1-127	98.1	%REC	R15242
Note: Sample diluted prior to the analysis due to high level of sediment in all VOAs.								
TPH (Gasoline)	SW8260B(TPH)	1/30/2008	50	1.26	63	ND	µg/L	G15242
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/30/2008	0	1.26	58.4-133	111	%REC	G15242

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K24-8
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 12:22:00 PM

Lab Sample ID: 0801160-013
Date Prepared: 2/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	55	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	4.47	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	86.3	%REC	R15209
Benzene	SW8260B	2/5/2008	5	1	11	ND	µg/Kg-dry	R15305
Ethylbenzene	SW8260B	2/5/2008	5	1	11	ND	µg/Kg-dry	R15305
Methyl tert-butyl ether (MTBE)	SW8260B	2/5/2008	10	1	22	ND	µg/Kg-dry	R15305
Toluene	SW8260B	2/5/2008	5	1	11	ND	µg/Kg-dry	R15305
Xylenes, Total	SW8260B	2/5/2008	15	1	34	ND	µg/Kg-dry	R15305
Surr: 4-Bromofluorobenzene	SW8260B	2/5/2008	0	1	55.8-141	109	%REC	R15305
Surr: Dibromofluoromethane	SW8260B	2/5/2008	0	1	59.8-148	115	%REC	R15305
Surr: Toluene-d8	SW8260B	2/5/2008	0	1	55.2-133	104	%REC	R15305
TPH (Gasoline)	SW8260B(TPH)	2/5/2008	100	1	220	ND	µg/Kg-dry	G15305
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/5/2008	0	1	56.9-133	11 S	%REC	G15305

Note: S - Low surrogate recovery due to possible matrix effect. Sample analyzed twice with similar results

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K24-20
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 12:46:00 PM

Lab Sample ID: 0801160-016
Date Prepared: 2/3/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	16	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.37	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	97.5	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	12	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	18	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	118	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	91.8	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	91.8	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	120	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	48 S	%REC	G15292

Note: S - Low surrogate recovery due to possible matrix effect.

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K24-30
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 2:01:00 PM

Lab Sample ID: 0801160-019
Date Prepared: 2/3/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	11	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.24	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	90.6	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	5.6	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	5.6	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	11	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	5.6	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	17	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	116	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	126	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	92.1	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	110	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	60.4	%REC	G15292

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K24-GW-27
Sample Location: EOP-700 Independent Rd
Sample Matrix: WATER
Date/Time Sampled 1/23/2008 1:44:00 PM

Lab Sample ID: 0801160-022
Date Prepared: 1/30/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/30/2008	0.1	1	0.111	ND	mg/L	R15235
Surr: Pentacosane	SW8015B	1/30/2008	0	1	40-120	79.0	%REC	R15235
Note: Reporting limits increased due to limited sample available (sediment present).								
Benzene	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Ethylbenzene	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Methyl tert-butyl ether (MTBE)	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Toluene	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Xylenes, Total	SW8260B	1/30/2008	1.5	1	1.50	ND	µg/L	R15242
Surr: Dibromofluoromethane	SW8260B	1/30/2008	0	1	61.2-131	91.8	%REC	R15242
Surr: 4-Bromofluorobenzene	SW8260B	1/30/2008	0	1	64.1-120	93.0	%REC	R15242
Surr: Toluene-d8	SW8260B	1/30/2008	0	1	75.1-127	99.6	%REC	R15242
TPH (Gasoline)	SW8260B(TPH)	1/30/2008	50	1	50	ND	µg/L	G15242
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/30/2008	0	1	58.4-133	78.4	%REC	G15242

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/23/2008
Date Reported: 2/5/2008

Client Sample ID: K24-GW-35
Sample Location: EOP-700 Independent Rd
Sample Matrix: WATER
Date/Time Sampled 1/23/2008 2:35:00 PM

Lab Sample ID: 0801160-023
Date Prepared: 1/30/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/30/2008	0.1	1	0.115	ND	mg/L	R15235
Surr: Pentacosane	SW8015B	1/30/2008	0	1	40-120	85.0	%REC	R15235
Note: Reporting limits increased due to limited sample available (sediment present).								
Benzene	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Ethylbenzene	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Methyl tert-butyl ether (MTBE)	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Toluene	SW8260B	1/30/2008	0.5	1	0.500	ND	µg/L	R15242
Xylenes, Total	SW8260B	1/30/2008	1.5	1	1.50	ND	µg/L	R15242
Surr: Dibromofluoromethane	SW8260B	1/30/2008	0	1	61.2-131	97.0	%REC	R15242
Surr: 4-Bromofluorobenzene	SW8260B	1/30/2008	0	1	64.1-120	95.3	%REC	R15242
Surr: Toluene-d8	SW8260B	1/30/2008	0	1	75.1-127	102	%REC	R15242
TPH (Gasoline)	SW8260B(TPH)	1/30/2008	50	1	50	ND	µg/L	G15242
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/30/2008	0	1	58.4-133	99.1	%REC	G15242

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15242

Sample ID MB-G	SampType: MBLK	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: G15242	TestNo: SW8260B(TP)	Analysis Date: 1/30/2008	SeqNo: 219229							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	9.600	0	11.36	0	84.5	58.4	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: G15242	TestNo: SW8260B(TP)	Analysis Date: 1/30/2008	SeqNo: 219230							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	193.8	50	227	0	85.4	52.4	127				
Surr: 4-Bromofllurobenzene	10.60	0	11.36	0	93.3	58.4	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: G15242	TestNo: SW8260B(TP)	Analysis Date: 1/30/2008	SeqNo: 219231							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	189.8	50	227	0	83.6	52.4	127	193.8	2.09	20	
Surr: 4-Bromofllurobenzene	9.500	0	11.36	0	83.6	58.4	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15292

Sample ID BLK-G	SampType: MBLK	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292						
Client ID: ZZZZZ	Batch ID: G15292	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219955							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	ND	100									
Surr: 4-Bromoflurobenzene	48.00	0	50	0	96.0	56.9	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292						
Client ID: ZZZZZ	Batch ID: G15292	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219956							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	896.2	100	1000	22.4	87.4	48.2	132				
Surr: 4-Bromoflurobenzene	47.70	0	50	0	95.4	56.9	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292						
Client ID: ZZZZZ	Batch ID: G15292	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219957							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	851.8	100	1000	22.4	82.9	48.2	132	896.2	5.08	30	
Surr: 4-Bromoflurobenzene	46.10	0	50	0	92.2	56.9	133	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15305

Sample ID MB-G	SampType: MBLK	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305						
Client ID: ZZZZ	Batch ID: G15305	TestNo: SW8260B(TP)	Analysis Date: 2/5/2008	SeqNo: 220144							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	ND	100									
Surr: 4-Bromofluorebenzene	54.40	0	50	0	109	56.9	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305						
Client ID: ZZZZ	Batch ID: G15305	TestNo: SW8260B(TP)	Analysis Date: 2/5/2008	SeqNo: 220145							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	1113	100	1000	50	106	48.2	132				
Surr: 4-Bromofluorebenzene	56.90	0	50	0	114	56.9	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305						
Client ID: ZZZZ	Batch ID: G15305	TestNo: SW8260B(TP)	Analysis Date: 2/5/2008	SeqNo: 220146							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	1220	100	1000	50	117	48.2	132	1113	9.22	30	
Surr: 4-Bromofluorebenzene	53.80	0	50	0	108	56.9	133	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15306

Sample ID MB-G	SampType: MBLK	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/4/2008	RunNo: 15306						
Client ID: ZZZZ	Batch ID: G15306	TestNo: SW8260B(TP)	Analysis Date: 2/4/2008	SeqNo: 220148							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	ND	100									
Surr: 4-Bromofluorene	52.40	0	50	0	105	56.9	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/4/2008	RunNo: 15306						
Client ID: ZZZZ	Batch ID: G15306	TestNo: SW8260B(TP)	Analysis Date: 2/4/2008	SeqNo: 220149							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	1066	100	1000	51.5	101	48.2	132				
Surr: 4-Bromofluorene	55.40	0	50	0	111	56.9	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15306						
Client ID: ZZZZ	Batch ID: G15306	TestNo: SW8260B(TP)	Analysis Date: 2/5/2008	SeqNo: 220150							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	1080	100	1000	51.5	103	48.2	132	1066	1.33	30	
Surr: 4-Bromofluorene	53.10	0	50	0	106	56.9	133	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15209

Sample ID	SDSG080128A-MB	SampType:	MBLK	TestCode:	TPHDSG_S	Units:	mg/Kg	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/28/2008	SeqNo:	218618											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	ND	2.00																				
Surr: Pentacosane	2.944	0	3.3	0	89.2	28	125															

Sample ID	SDSG080128A-LCS	SampType:	LCS	TestCode:	TPHDSG_S	Units:	mg/Kg	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/28/2008	SeqNo:	218619											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	23.69	2.00	33.33	0	71.1	26.6	128															
Surr: Pentacosane	2.991	0	3.3	0	90.6	28	125															

Sample ID	SDSG080128A-LCS	SampType:	LCSD	TestCode:	TPHDSG_S	Units:	mg/Kg	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/28/2008	SeqNo:	218620											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	24.36	2.00	33.33	0	73.1	26.6	128	23.69	2.80	30
Surr: Pentacosane	2.947	0	3.3	0	89.3	28	125	0	0	0

Sample ID	0801160-007A MS	SampType:	MS	TestCode:	TPHDSG_S	Units:	mg/Kg-dry	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	K23-27	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/30/2008	SeqNo:	219034											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	28.17	2.34	39.05	0	72.1	26.6	128			
Surr: Pentacosane	3.199	0	3.866	0	82.8	28	125			

Sample ID	0801160-007A MSD	SampType:	MSD	TestCode:	TPHDSG_S	Units:	mg/Kg-dry	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	K23-27	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/30/2008	SeqNo:	219040											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	27.55	2.34	39.05	0	70.6	26.6	128	28.17	2.21	30
Surr: Pentacosane	3.370	0	3.866	0	87.2	28	125	0	0	0

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15235

Sample ID WDSG080128A-MB	SampType: MBLK	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 1/28/2008	RunNo: 15235						
Client ID: ZZZZZ	Batch ID: R15235	TestNo: SW8015B		Analysis Date: 1/30/2008	SeqNo: 219041						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	ND	0.100								
Surr: Pentacosane	0.08500	0	0.1	0	85.0	53.3	124			

Sample ID WDSG080128A-LCS	SampType: LCS	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 1/28/2008	RunNo: 15235						
Client ID: ZZZZZ	Batch ID: R15235	TestNo: SW8015B		Analysis Date: 1/30/2008	SeqNo: 219042						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	0.3130	0.100	1	0	31.3	30	68.5			
Surr: Pentacosane	0.08300	0	0.1	0	83.0	46.8	104			

Sample ID WDSG080128A-LCS	SampType: LCSD	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 1/28/2008	RunNo: 15235						
Client ID: ZZZZZ	Batch ID: R15235	TestNo: SW8015B		Analysis Date: 1/30/2008	SeqNo: 219043						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	0.3410	0.100	1	0	34.1	30	68.5	0.313	8.56	30
Surr: Pentacosane	0.08500	0	0.1	0	85.0	46.8	104	0	0	0

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15242

Sample ID mb	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219131

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	0.500									
1,1-Dichloroethane	ND	0.500									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	0.500									
1,2,3-Trichlorobenzene	ND	0.500									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dichloroethane (EDC)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,4-Dioxane	ND	5.00									
2,2-Dichloropropane	ND	0.500									
2-Chloroethyl vinyl ether	ND	1.00									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
Acetone	ND	10.0									
Benzene	ND	0.500									
Bromobenzene	ND	0.500									
Bromochloromethane	ND	0.500									
Bromodichloromethane	ND	0.500									
Bromoform	ND	1.00									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15242

Sample ID mb	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219131						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromomethane	ND	1.00									
Carbon tetrachloride	ND	0.500									
Chlorobenzene	ND	0.500									
Chloroform	ND	0.500									
Chloromethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Dibromochloromethane	ND	0.500									
Dibromomethane	ND	0.500									
Dichlorodifluoromethane	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
Freon-113	ND	1.00									
Hexachlorobutadiene	ND	0.500									
Isopropylbenzene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	0.500									
Methylene chloride	ND	5.00									
Naphthalene	ND	0.500									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
Trichloroethene	ND	0.500									
Trichlorofluoromethane	ND	0.500									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
 Work Order: 0801160
 Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15242

Sample ID mb	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219131

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	11.39	0	11.36	0	100	61.2	131				
Surr: 4-Bromofluorobenzene	10.64	0	11.36	0	93.7	64.1	120				
Surr: Toluene-d8	13.09	0	11.36	0	115	75.1	127				

Sample ID LCS	SampType: LCS	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219132

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.03	1.00	17.04	0	99.9	61.4	129				
Benzene	15.63	0.500	17.04	0	91.7	66.9	140				
Chlorobenzene	17.29	0.500	17.04	0	101	73.9	137				
Toluene	16.84	0.500	17.04	0	98.8	76.6	123				
Trichloroethene	15.91	0.500	17.04	0	93.4	69.3	144				
Surr: Dibromofluoromethane	10.03	0	11.36	0	88.3	61.2	131				
Surr: 4-Bromofluorobenzene	11.02	0	11.36	0	97.0	64.1	120				
Surr: Toluene-d8	11.81	0	11.36	0	104	75.1	127				

Sample ID LCSD	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219133

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.41	1.00	17.04	0	96.3	61.4	129	17.03	3.71	20	
Benzene	17.54	0.500	17.04	0	103	66.9	140	15.63	11.5	20	
Chlorobenzene	17.70	0.500	17.04	0	104	73.9	137	17.29	2.34	20	
Toluene	17.25	0.500	17.04	0	101	76.6	123	16.84	2.41	20	
Trichloroethene	18.06	0.500	17.04	0	106	69.3	144	15.91	12.7	20	
Surr: Dibromofluoromethane	9.590	0	11.36	0	84.4	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.06	0	11.36	0	97.4	64.1	120	0	0	0	
Surr: Toluene-d8	10.54	0	11.36	0	92.8	75.1	127	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15292

Sample ID MB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10									
1,1,1-Trichloroethane	ND	10									
1,1,2,2-Tetrachloroethane	ND	10									
1,1,2-Trichloroethane	ND	10									
1,1-Dichloroethane	ND	10									
1,1-Dichloroethene	ND	10									
1,1-Dichloropropene	ND	10									
1,2,3-Trichlorobenzene	ND	10									
1,2,3-Trichloropropane	ND	10									
1,2,4-Trichlorobenzene	ND	10									
1,2,4-Trimethylbenzene	ND	10									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane (EDB)	ND	10									
1,2-Dichlorobenzene	ND	10									
1,2-Dichloroethane (EDC)	ND	10									
1,2-Dichloropropane	ND	10									
1,3,5-Trimethylbenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,3-Dichloropropene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,2-Dichloropropane	ND	10									
2-Chloroethyl vinyl ether	ND	10									
2-Chlorotoluene	ND	10									
4-Chlorotoluene	ND	10									
4-Isopropyltoluene	ND	10									
Benzene	ND	10									
Bromobenzene	ND	10									
Bromochloromethane	ND	10									
Bromodichloromethane	ND	10									
Bromoform	ND	10									
Bromomethane	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15292

Sample ID MB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	10									
Chlorobenzene	ND	10									
Chloroform	ND	10									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	10									
cis-1,3-Dichloropropene	ND	10									
Dibromochloromethane	ND	10									
Dibromomethane	ND	10									
Dichlorodifluoromethane	ND	10									
Ethyl tert-butyl ether (ETBE)	ND	10									
Ethylbenzene	ND	10									
Freon-113	ND	10									
Hexachlorobutadiene	ND	10									
Isopropylbenzene	ND	10									
Methyl tert-butyl ether (MTBE)	ND	10									
Methylene chloride	ND	50									
Naphthalene	ND	20									
n-Butylbenzene	ND	10									
n-Propylbenzene	ND	10									
sec-Butylbenzene	ND	10									
Styrene	ND	10									
t-Butyl alcohol (t-Butanol)	ND	50									
tert-Amyl methyl ether (TAME)	ND	10									
tert-Butylbenzene	ND	10									
Tetrachloroethene	ND	10									
Toluene	ND	10									
trans-1,2-Dichloroethene	ND	10									
trans-1,3-Dichloropropene	ND	10									
Trichloroethene	ND	10									
Trichlorofluoromethane	ND	10									
Vinyl chloride	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15292

Sample ID MB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	20									
Surr: 4-Bromofluorobenzene	55.89	0	50	0	112	55.8	141				
Surr: Dibromofluoromethane	56.19	0	50	0	112	59.8	148				
Surr: Toluene-d8	45.43	0	50	0	90.9	55.2	133				

Sample ID LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	42.89	10	50	0	85.8	53.7	139				
Benzene	51.21	10	50	0	102	66.5	135				
Chlorobenzene	45.04	10	50	0	90.1	57.5	150				
Toluene	42.82	10	50	0	85.6	56.8	134				
Trichloroethene	45.81	10	50	0	91.6	57.4	134				
Surr: 4-Bromofluorobenzene	57.22	0	50	0	114	55.8	141				
Surr: Dibromofluoromethane	44.07	0	50	0	88.1	59.8	148				
Surr: Toluene-d8	53.82	0	50	0	108	55.2	133				

Sample ID LCS D	SampType: LCS D	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219912

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	41.87	10	50	0	83.7	53.7	139	42.89	2.41	30	
Benzene	52.32	10	50	0	105	66.5	135	51.21	2.14	30	
Chlorobenzene	45.46	10	50	0	90.9	57.5	150	45.04	0.928	30	
Toluene	41.81	10	50	0	83.6	56.8	134	42.82	2.39	30	
Trichloroethene	51.87	10	50	0	104	57.4	134	45.81	12.4	30	
Surr: 4-Bromofluorobenzene	58.26	0	50	0	117	55.8	141	0	0	0	
Surr: Dibromofluoromethane	66.08	0	50	0	132	59.8	148	0	0	0	
Surr: Toluene-d8	51.42	0	50	0	103	55.2	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15305

Sample ID mb	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305
Client ID: ZZZZZ	Batch ID: R15305	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220133

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10									
1,1,1-Trichloroethane	ND	10									
1,1,2,2-Tetrachloroethane	ND	10									
1,1,2-Trichloroethane	ND	10									
1,1-Dichloroethane	ND	10									
1,1-Dichloroethene	ND	10									
1,1-Dichloropropene	ND	10									
1,2,3-Trichlorobenzene	ND	10									
1,2,3-Trichloropropane	ND	10									
1,2,4-Trichlorobenzene	ND	10									
1,2,4-Trimethylbenzene	ND	10									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane (EDB)	ND	10									
1,2-Dichlorobenzene	ND	10									
1,2-Dichloroethane (EDC)	ND	10									
1,2-Dichloropropane	ND	10									
1,3,5-Trimethylbenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,3-Dichloropropene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,2-Dichloropropane	ND	10									
2-Chloroethyl vinyl ether	ND	10									
2-Chlorotoluene	ND	10									
4-Chlorotoluene	ND	10									
4-Isopropyltoluene	ND	10									
Benzene	ND	10									
Bromobenzene	ND	10									
Bromochloromethane	ND	10									
Bromodichloromethane	ND	10									
Bromoform	ND	10									
Bromomethane	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15305

Sample ID	mb	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305
Client ID:	ZZZZZ	Batch ID: R15305	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220133

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	10									
Chlorobenzene	ND	10									
Chloroform	ND	10									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	10									
cis-1,3-Dichloropropene	ND	10									
Dibromochloromethane	ND	10									
Dibromomethane	ND	10									
Dichlorodifluoromethane	ND	10									
Ethyl tert-butyl ether (ETBE)	ND	10									
Ethylbenzene	ND	10									
Freon-113	ND	10									
Hexachlorobutadiene	ND	10									
Isopropylbenzene	ND	10									
Methyl tert-butyl ether (MTBE)	ND	10									
Methylene chloride	ND	50									
Naphthalene	ND	20									
n-Butylbenzene	ND	10									
n-Propylbenzene	ND	10									
sec-Butylbenzene	ND	10									
Styrene	ND	10									
t-Butyl alcohol (t-Butanol)	ND	50									
tert-Amyl methyl ether (TAME)	ND	10									
tert-Butylbenzene	ND	10									
Tetrachloroethene	ND	10									
Toluene	ND	10									
trans-1,2-Dichloroethene	ND	10									
trans-1,3-Dichloropropene	ND	10									
Trichloroethene	ND	10									
Trichlorofluoromethane	ND	10									
Vinyl chloride	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
 Work Order: 0801160
 Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15305

Sample ID mb	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305						
Client ID: ZZZZZ	Batch ID: R15305	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	20									
Surr: 4-Bromofluorobenzene	48.42	0	50	0	96.8	55.8	141				
Surr: Dibromofluoromethane	51.76	0	50	0	104	59.8	148				
Surr: Toluene-d8	45.45	0	50	0	90.9	55.2	133				

Sample ID lcs	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305						
Client ID: ZZZZZ	Batch ID: R15305	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	31.96	10	50	0	63.9	53.7	139				
Benzene	39.13	10	50	0	78.3	66.5	135				
Chlorobenzene	42.65	10	50	0	85.3	57.5	150				
Toluene	43.27	10	50	0	86.5	56.8	134				
Trichloroethene	45.87	10	50	0	91.7	57.4	134				
Surr: 4-Bromofluorobenzene	43.81	0	50	0	87.6	55.8	141				
Surr: Dibromofluoromethane	44.28	0	50	0	88.6	59.8	148				
Surr: Toluene-d8	49.12	0	50	0	98.2	55.2	133				

Sample ID lcsd	SampType: LCSd	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/5/2008	RunNo: 15305						
Client ID: ZZZZZ	Batch ID: R15305	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	32.17	10	50	0	64.3	53.7	139	31.96	0.655	30	
Benzene	40.41	10	50	0	80.8	66.5	135	39.13	3.22	30	
Chlorobenzene	38.29	10	50	0	76.6	57.5	150	42.65	10.8	30	
Toluene	38.10	10	50	0	76.2	56.8	134	43.27	12.7	30	
Trichloroethene	41.92	10	50	0	83.8	57.4	134	45.87	9.00	30	
Surr: 4-Bromofluorobenzene	38.40	0	50	0	76.8	55.8	141	0	0	0	
Surr: Dibromofluoromethane	43.38	0	50	0	86.8	59.8	148	0	0	0	
Surr: Toluene-d8	42.49	0	50	0	85.0	55.2	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15306

Sample ID	mb	SampType:	MBLK			TestCode:	8260B_S_PE		Units:	µg/Kg		Prep Date:	2/4/2008		RunNo:	15306	
Client ID:	ZZZZZ		Batch ID:	R15306			TestNo:	SW8260B		Analysis Date:	2/4/2008		SeqNo:	220152			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual						
1,2-Dibromoethane (EDB)	ND	5.0															
1,2-Dichloroethane (EDC)	ND	5.0															
Benzene	ND	5.0															
Ethanol	ND	100															
Ethyl tert-butyl ether (ETBE)	ND	5.0															
Ethylbenzene	ND	5.0															
Methyl tert-butyl ether (MTBE)	ND	10															
t-Butyl alcohol (t-Butanol)	ND	50															
tert-Amyl methyl ether (TAME)	ND	5.0															
Toluene	ND	5.0															
Xylenes, Total	ND	15															
Surr: 4-Bromofluorobenzene	55.86	0	50	0	112	55.8	141										
Surr: Dibromofluoromethane	62.81	0	50	0	126	59.8	148										
Surr: Toluene-d8	50.14	0	50	0	100	55.2	133										

Sample ID	ics	SampType:	LCS			TestCode:	8260B_S_PE		Units:	µg/Kg		Prep Date:	2/4/2008		RunNo:	15306	
Client ID:	ZZZZZ		Batch ID:	R15306			TestNo:	SW8260B		Analysis Date:	2/4/2008		SeqNo:	220153			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual						
Benzene	44.35	5.0	50	0	88.7	66.5	135										
Toluene	38.85	5.0	50	0	77.7	56.8	134										
Surr: 4-Bromofluorobenzene	49.88	0	50	0	99.8	55.8	141										
Surr: Dibromofluoromethane	67.43	0	50	0	135	59.8	148										
Surr: Toluene-d8	53.38	0	50	0	107	55.2	133										

Sample ID	icsd	SampType:	LCSd			TestCode:	8260B_S_PE		Units:	µg/Kg		Prep Date:	2/4/2008		RunNo:	15306	
Client ID:	ZZZZZ		Batch ID:	R15306			TestNo:	SW8260B		Analysis Date:	2/4/2008		SeqNo:	220154			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual						
Benzene	41.06	5.0	50	0	82.1	66.5	135	44.35	7.70	30							
Toluene	43.26	5.0	50	0	86.5	56.8	134	38.85	10.7	30							

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801160
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15306

Sample ID	Icsd	SampType: LCSD	TestCode: 8260B_S_PE	Units: µg/Kg	Prep Date: 2/4/2008	RunNo: 15306					
Client ID:	ZZZZZ	Batch ID: R15306	TestNo: SW8260B		Analysis Date: 2/4/2008	SeqNo: 220154					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	40.32	0	50	0	80.6	55.8	141	0	0	0	
Surr: Dibromofluoromethane	54.24	0	50	0	108	59.8	148	0	0	0	
Surr: Toluene-d8	52.90	0	50	0	106	55.2	133	0	0	0	

Qualifiers: E Value above quantitation range
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
 R RPD outside accepted recovery limits

J Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery limits

KLEINFELDER

0801160

PROJECT NO. 54504		PROJECT NAME EOP-700 INDEPENDENT ROAD		NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS										RECEIVING LAB:								
L.P. NO. (P.O. NO.)	SAMPLERS: (Signature/Number) S. Williams					BIOMONITORING (8260)	TPH (8260)	TPH (8260)	SILICA (8015)	HOLD (8260)	CLUST	ADP (8260)										TORRENT		
DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX																				INSTRUCTIONS/REMARKS	
1	1/23/08	0825	K23-4	SOIL	1	TUBE																		-REPORT SOIL AS DRY WEIGHT STANDARD TAT 01A 5°C
2		0827	K23-8	SOIL	1		X	X	X	X														02A
3		0830	K23-12	SOIL	1																			03A
4		0834	K23-16	SOIL	1																			04A
5		0837	K23-20	SOIL	1		X	X	X	X														05A
6		0903	K23-23	SOIL	1																			06A
7		0931	K23-27	SOIL	1		X	X	X	X														07A
8		0935	K23-30	SOIL	1																			08A
9		1054	K23-33	SOIL	1																			09A
10		1105	K23-40	SOIL	1		X	X	X	X														10A
11		1025	K23-6W-30	WATER	5	VOA/AL	X	X	X	X														11A
12		1220	K24-4	SOIL	1	TUBE																		12A
13		1222	K24-8	SOIL	1		X	X	X	X														13A
14		1224	K24-12	SOIL	1																			14A
15		1231	K24-16	SOIL	1																			15A
16		1246	K24-20	SOIL	1		X	X	X	X														16A
17		1255	K24-23	SOIL	1																			17A
18		1330	K24-27	SOIL	1																			18A
19		1401	K24-30	SOIL	1		X	X	X	X														19A
20		1407	K24-34	SOIL	1																			20A

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 1/23/08 1549	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 1-23-08 1735	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks:
LEVEL II DATA PACKAGE
+ EQUIS EZEED
EMAIL RESULTS

Send Results To:
KLEINFELDER - OAKLAND
7403 KOLL CENTER PARKWAY
SUITE 100
PLEASANTON, CA 94566
(925) 464-1700
Attn: CHARLIE ALMESTAD calme@kleinfelder.com
PATRICIA WALTERS pwalters@kleinfelder.com

0801160



PROJECT NO. 54504
PROJECT NAME EOP - 100 INDEPENDENT ROAD

L.P. NO. (P.O. NO.)
SAMPLERS: (Signature/Number) J. WILLIAMS

DATE MM/DD/YY SAMPLE I.D. TIME HH-MM-SS SAMPLE I.D. MATRIX

NO. OF CONTAINERS
TYPE OF CONTAINERS
ANALYSIS: BTEX + MINE (MUN), TPH (SLOD), TPH (BVIS), SINGA BCL (MUN), HOLD (ARCHIVE)

RECEIVING LAB: TORRENT

INSTRUCTIONS/REMARKS: -REPORT SOIL AS DRY WEIGHT STANDARD TAT

NO.	DATE	SAMPLE I.D. TIME	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS
1	1/23/08	1419	K24-40	SOIL	1	TUBE	
2	1/23/08	1344	K24-6W-27	WATER	6	#6/VOL	X X X X
3	1/23/08	1435	K24-6W-35	WATER	6	#6/VOL	X X X X
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

21 A
22 A
23 A
-

Relinquished by: (Signature) [Signature] Date/Time 1/23/08 1549
 Received by: (Signature) [Signature]
 Relinquished by: (Signature) [Signature] Date/Time 1-23-08 1735
 Received by: (Signature) [Signature]
 Relinquished by: (Signature) [Signature] Date/Time
 Received for Laboratory by: (Signature)

Instructions/Remarks: LEVEL II DATA PACKAGE + ERVIS EZEED EMAIL RESULTS

Send Results To: KLEINFELDER - OAKLAND 7423 KOLL CENTER PARKWAY SUITE 100 PLEASANTON, CA 94586 (925) 484-1700 Attn: CHARLIE ALMESTAD PATRICIA WALTERS

Canary - Return Copy To Shipper CHAIN OF CUSTODY

Pink - Lab Copy No 4483

see 1/24



February 05, 2008

Charlie Almestad
KLEINFELDER
1970 Broadway, Suite 710
Oakland, CA 94612

TEL: (510) 628-9000

FAX (510) 628-9009

RE: 54504

Order No.: 0801163

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 13 samples on 1/24/2008 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,


Laboratory Director

2/5/08
Date

Patti Sandrock
QA Officer 



Torrent Laboratory, Inc.

Date: 05-Feb-08

CLIENT: KLEINFELDER
Project: 54504
Lab Order: 0801163

CASE NARRATIVE

Analytical Comment for TPHDOSG_W and TPHDOSG_S, Note: Silica gel clean-up procedures employed on all samples.



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/24/2008
Date Reported:

Client Sample ID: K25-8
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 3:33:00 PM

Lab Sample ID: 0801163-002
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	20	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.49	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	85.0	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	6.2	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	6.2	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	12	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	6.2	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	19	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	130	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	106	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	92.1	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	120	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	42 S	%REC	G15292

Note: S - Low surrogate recovery due to possible matrix effect.

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/24/2008

Date Reported:

Client Sample ID: K25-20
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 3:43:00 PM

Lab Sample ID: 0801163-005
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	15	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.35	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	89.8	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	12	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	5.9	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	18	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	117	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	105	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	93.9	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	120	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	73.4	%REC	G15292

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/24/2008

Date Reported:

Client Sample ID: K25-31
Sample Location: EOP-700 Independent Rd
Sample Matrix: SOIL
Date/Time Sampled 1/23/2008 4:40:00 PM

Lab Sample ID: 0801163-008
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Percent Moisture	D2216	1/29/2008	0	1	0	12	wt%	R15231
TPH (Diesel)	SW8015B	1/30/2008	2	1	2.29	ND	mg/Kg-dry	R15209
Surr: Pentacosane	SW8015B	1/30/2008	0	1	28-125	83.8	%REC	R15209
Benzene	SW8260B	2/3/2008	5	1	5.7	ND	µg/Kg-dry	R15292
Ethylbenzene	SW8260B	2/3/2008	5	1	5.7	ND	µg/Kg-dry	R15292
Methyl tert-butyl ether (MTBE)	SW8260B	2/3/2008	10	1	11	ND	µg/Kg-dry	R15292
Toluene	SW8260B	2/3/2008	5	1	5.7	ND	µg/Kg-dry	R15292
Xylenes, Total	SW8260B	2/3/2008	15	1	17	ND	µg/Kg-dry	R15292
Surr: 4-Bromofluorobenzene	SW8260B	2/3/2008	0	1	55.8-141	111	%REC	R15292
Surr: Dibromofluoromethane	SW8260B	2/3/2008	0	1	59.8-148	93.3	%REC	R15292
Surr: Toluene-d8	SW8260B	2/3/2008	0	1	55.2-133	93.6	%REC	R15292
TPH (Gasoline)	SW8260B(TPH)	2/3/2008	100	1	110	ND	µg/Kg-dry	G15292
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/3/2008	0	1	56.9-133	61.8	%REC	G15292

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/24/2008

Date Reported:

Client Sample ID: K25-GW-28
Sample Location: EOP-700 Independent Rd
Sample Matrix: GROUNDWATER
Date/Time Sampled 1/23/2008 5:00:00 PM

Lab Sample ID: 0801163-012

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/30/2008	0.1	1	0.130	ND	mg/L	R15235
Surr: Pentacosane	SW8015B	1/30/2008	0	1	40-120	85.0	%REC	R15235
Note: Reporting limits increased due to limited sample available (sediment present).								
Benzene	SW8260B	1/31/2008	0.5	1.38	0.690	ND	µg/L	R15242
Ethylbenzene	SW8260B	1/31/2008	0.5	1.38	0.690	ND	µg/L	R15242
Methyl tert-butyl ether (MTBE)	SW8260B	1/31/2008	0.5	1.38	0.690	ND	µg/L	R15242
Toluene	SW8260B	1/31/2008	0.5	1.38	0.690	ND	µg/L	R15242
Xylenes, Total	SW8260B	1/31/2008	1.5	1.38	2.07	ND	µg/L	R15242
Surr: Dibromofluoromethane	SW8260B	1/31/2008	0	1.38	61.2-131	109	%REC	R15242
Surr: 4-Bromofluorobenzene	SW8260B	1/31/2008	0	1.38	64.1-120	96.0	%REC	R15242
Surr: Toluene-d8	SW8260B	1/31/2008	0	1.38	75.1-127	107	%REC	R15242
Note: Sample diluted prior to the analysis due to high level of sediment in all VOAs.								
TPH (Gasoline)	SW8260B(TPH)	1/31/2008	50	1.38	69	ND	µg/L	G15242
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/31/2008	0	1.38	58.4-133	89.7	%REC	G15242

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 1/24/2008

Date Reported:

Client Sample ID: K25-GW-36
Sample Location: EOP-700 Independent Rd
Sample Matrix:
Date/Time Sampled 1/23/2008 5:55:00 PM

Lab Sample ID: 0801163-013
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel)	SW8015B	1/30/2008	0.1	1	0.115	ND	mg/L	R15235
Surr: Pentacosane	SW8015B	1/30/2008	0	1	40-120	63.0	%REC	R15235
Note: Reporting limits increased due to limited sample available (sediment present).								
Benzene	SW8260B	1/31/2008	0.5	1	0.500	ND	µg/L	R15242
Ethylbenzene	SW8260B	1/31/2008	0.5	1	0.500	ND	µg/L	R15242
Methyl tert-butyl ether (MTBE)	SW8260B	1/31/2008	0.5	1	0.500	ND	µg/L	R15242
Toluene	SW8260B	1/31/2008	0.5	1	0.500	ND	µg/L	R15242
Xylenes, Total	SW8260B	1/31/2008	1.5	1	1.50	ND	µg/L	R15242
Surr: Dibromofluoromethane	SW8260B	1/31/2008	0	1	61.2-131	113	%REC	R15242
Surr: 4-Bromofluorobenzene	SW8260B	1/31/2008	0	1	64.1-120	101	%REC	R15242
Surr: Toluene-d8	SW8260B	1/31/2008	0	1	75.1-127	109	%REC	R15242
TPH (Gasoline)	SW8260B(TPH)	1/31/2008	50	1	50	ND	µg/L	G15242
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	1/31/2008	0	1	58.4-133	88.8	%REC	G15242

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15242

Sample ID MB-G	SampType: MBLK	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: G15242	TestNo: SW8260B(TP)	Analysis Date: 1/30/2008	SeqNo: 219229							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	9.600	0	11.36	0	84.5	58.4	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: G15242	TestNo: SW8260B(TP)	Analysis Date: 1/30/2008	SeqNo: 219230							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	193.8	50	227	0	85.4	52.4	127				
Surr: 4-Bromofllurobenzene	10.60	0	11.36	0	93.3	58.4	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: G15242	TestNo: SW8260B(TP)	Analysis Date: 1/30/2008	SeqNo: 219231							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	189.8	50	227	0	83.6	52.4	127	193.8	2.09	20	
Surr: 4-Bromofllurobenzene	9.500	0	11.36	0	83.6	58.4	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G15292

Sample ID BLK-G	SampType: MBLK	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292						
Client ID: ZZZZZ	Batch ID: G15292	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219955							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	ND	100									
Surr: 4-Bromofllurobenzene	48.00	0	50	0	96.0	56.9	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292						
Client ID: ZZZZZ	Batch ID: G15292	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219956							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	896.2	100	1000	22.4	87.4	48.2	132				
Surr: 4-Bromofllurobenzene	47.70	0	50	0	95.4	56.9	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292						
Client ID: ZZZZZ	Batch ID: G15292	TestNo: SW8260B(TP)	Analysis Date: 2/3/2008	SeqNo: 219957							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	851.8	100	1000	22.4	82.9	48.2	132	896.2	5.08	30	
Surr: 4-Bromofllurobenzene	46.10	0	50	0	92.2	56.9	133	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15209

Sample ID	SDSG080128A-MB	SampType:	MBLK	TestCode:	TPHDSG_S	Units:	mg/Kg	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/28/2008	SeqNo:	218618											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	ND	2.00																				
Surr: Pentacosane	2.944	0	3.3	0	89.2	28	125															

Sample ID	SDSG080128A-LCS	SampType:	LCS	TestCode:	TPHDSG_S	Units:	mg/Kg	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/28/2008	SeqNo:	218619											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	23.69	2.00	33.33	0	71.1	26.6	128															
Surr: Pentacosane	2.991	0	3.3	0	90.6	28	125															

Sample ID	SDSG080128A-LCS	SampType:	LCSD	TestCode:	TPHDSG_S	Units:	mg/Kg	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/28/2008	SeqNo:	218620											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	24.36	2.00	33.33	0	73.1	26.6	128	23.69	2.80	30
Surr: Pentacosane	2.947	0	3.3	0	89.3	28	125	0	0	0

Sample ID	0801160-007A MS	SampType:	MS	TestCode:	TPHDSG_S	Units:	mg/Kg-dry	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/30/2008	SeqNo:	219034											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	28.17	2.34	39.05	0	72.1	26.6	128			
Surr: Pentacosane	3.199	0	3.866	0	82.8	28	125			

Sample ID	0801160-007A MSD	SampType:	MSD	TestCode:	TPHDSG_S	Units:	mg/Kg-dry	Prep Date:	1/28/2008	RunNo:	15209											
Client ID:	ZZZZZ	Batch ID:	R15209	TestNo:	SW8015B			Analysis Date:	1/30/2008	SeqNo:	219040											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual

TPH (Diesel)	27.55	2.34	39.05	0	70.6	26.6	128	28.17	2.21	30
Surr: Pentacosane	3.370	0	3.866	0	87.2	28	125	0	0	0

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15235

Sample ID WDSG080128A-MB	SampType: MBLK	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 1/28/2008	RunNo: 15235						
Client ID: ZZZZZ	Batch ID: R15235	TestNo: SW8015B		Analysis Date: 1/30/2008	SeqNo: 219041						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	ND	0.100									
Surr: Pentacosane	0.08500	0	0.1	0	85.0	53.3	124				

Sample ID WDSG080128A-LCS	SampType: LCS	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 1/28/2008	RunNo: 15235						
Client ID: ZZZZZ	Batch ID: R15235	TestNo: SW8015B		Analysis Date: 1/30/2008	SeqNo: 219042						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	0.3130	0.100	1	0	31.3	30	68.5				
Surr: Pentacosane	0.08300	0	0.1	0	83.0	46.8	104				

Sample ID WDSG080128A-LCS	SampType: LCSD	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 1/28/2008	RunNo: 15235						
Client ID: ZZZZZ	Batch ID: R15235	TestNo: SW8015B		Analysis Date: 1/30/2008	SeqNo: 219043						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel)	0.3410	0.100	1	0	34.1	30	68.5	0.313	8.56	30	
Surr: Pentacosane	0.08500	0	0.1	0	85.0	46.8	104	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15242

Sample ID mb	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219131						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	0.500									
1,1-Dichloroethane	ND	0.500									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	0.500									
1,2,3-Trichlorobenzene	ND	0.500									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dichloroethane (EDC)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
1,4-Dioxane	ND	5.00									
2,2-Dichloropropane	ND	0.500									
2-Chloroethyl vinyl ether	ND	1.00									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
Acetone	ND	10.0									
Benzene	ND	0.500									
Bromobenzene	ND	0.500									
Bromochloromethane	ND	0.500									
Bromodichloromethane	ND	0.500									
Bromoform	ND	1.00									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15242

Sample ID mb	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242						
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219131						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromomethane	ND	1.00									
Carbon tetrachloride	ND	0.500									
Chlorobenzene	ND	0.500									
Chloroform	ND	0.500									
Chloromethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Dibromochloromethane	ND	0.500									
Dibromomethane	ND	0.500									
Dichlorodifluoromethane	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
Freon-113	ND	1.00									
Hexachlorobutadiene	ND	0.500									
Isopropylbenzene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	0.500									
Methylene chloride	ND	5.00									
Naphthalene	ND	0.500									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
Trichloroethene	ND	0.500									
Trichlorofluoromethane	ND	0.500									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
 Work Order: 0801163
 Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15242

Sample ID mb	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219131

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Pentafluorobenzene	11.36	0	11.36	0	100	50	200				
1,4-Difluorobenzene	11.36	0	11.36	0	100	50	200				
Chlorobenzene-d5	11.36	0	11.36	0	100	50	200				
1,4-Dichlorobenzene-d4	11.36	0	11.36	0	100	50	200				
Surr: Dibromofluoromethane	11.39	0	11.36	0	100	61.2	131				
Surr: 4-Bromofluorobenzene	10.64	0	11.36	0	93.7	64.1	120				
Surr: Toluene-d8	13.09	0	11.36	0	115	75.1	127				

Sample ID LCS	SampType: LCS	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219132

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.03	1.00	17.04	0	99.9	61.4	129				
Benzene	15.63	0.500	17.04	0	91.7	66.9	140				
Chlorobenzene	17.29	0.500	17.04	0	101	73.9	137				
Toluene	16.84	0.500	17.04	0	98.8	76.6	123				
Trichloroethene	15.91	0.500	17.04	0	93.4	69.3	144				
Surr: Dibromofluoromethane	10.03	0	11.36	0	88.3	61.2	131				
Surr: 4-Bromofluorobenzene	11.02	0	11.36	0	97.0	64.1	120				
Surr: Toluene-d8	11.81	0	11.36	0	104	75.1	127				

Sample ID LCSD	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 1/30/2008	RunNo: 15242
Client ID: ZZZZZ	Batch ID: R15242	TestNo: SW8260B		Analysis Date: 1/30/2008	SeqNo: 219133

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.41	1.00	17.04	0	96.3	61.4	129	17.03	3.71	20	
Benzene	17.54	0.500	17.04	0	103	66.9	140	15.63	11.5	20	
Chlorobenzene	17.70	0.500	17.04	0	104	73.9	137	17.29	2.34	20	
Toluene	17.25	0.500	17.04	0	101	76.6	123	16.84	2.41	20	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15242

Sample ID	LCSD	SampType:	LCSD	TestCode:	8260B_W	Units:	µg/L	Prep Date:	1/30/2008	RunNo:	15242
Client ID:	ZZZZZ	Batch ID:	R15242	TestNo:	SW8260B	Analysis Date:	1/30/2008	SeqNo:	219133		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	18.06	0.500	17.04	0	106	69.3	144	15.91	12.7	20	
Surr: Dibromofluoromethane	9.590	0	11.36	0	84.4	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.06	0	11.36	0	97.4	64.1	120	0	0	0	
Surr: Toluene-d8	10.54	0	11.36	0	92.8	75.1	127	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15292

Sample ID MB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10									
1,1,1-Trichloroethane	ND	10									
1,1,2,2-Tetrachloroethane	ND	10									
1,1,2-Trichloroethane	ND	10									
1,1-Dichloroethane	ND	10									
1,1-Dichloroethene	ND	10									
1,1-Dichloropropene	ND	10									
1,2,3-Trichlorobenzene	ND	10									
1,2,3-Trichloropropane	ND	10									
1,2,4-Trichlorobenzene	ND	10									
1,2,4-Trimethylbenzene	ND	10									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane (EDB)	ND	10									
1,2-Dichlorobenzene	ND	10									
1,2-Dichloroethane (EDC)	ND	10									
1,2-Dichloropropane	ND	10									
1,3,5-Trimethylbenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,3-Dichloropropene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,2-Dichloropropane	ND	10									
2-Chloroethyl vinyl ether	ND	10									
2-Chlorotoluene	ND	10									
4-Chlorotoluene	ND	10									
4-Isopropyltoluene	ND	10									
Benzene	ND	10									
Bromobenzene	ND	10									
Bromochloromethane	ND	10									
Bromodichloromethane	ND	10									
Bromoform	ND	10									
Bromomethane	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15292

Sample ID MB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	10									
Chlorobenzene	ND	10									
Chloroform	ND	10									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	10									
cis-1,3-Dichloropropene	ND	10									
Dibromochloromethane	ND	10									
Dibromomethane	ND	10									
Dichlorodifluoromethane	ND	10									
Ethyl tert-butyl ether (ETBE)	ND	10									
Ethylbenzene	ND	10									
Freon-113	ND	10									
Hexachlorobutadiene	ND	10									
Isopropylbenzene	ND	10									
Methyl tert-butyl ether (MTBE)	ND	10									
Methylene chloride	ND	50									
Naphthalene	ND	20									
n-Butylbenzene	ND	10									
n-Propylbenzene	ND	10									
sec-Butylbenzene	ND	10									
Styrene	ND	10									
t-Butyl alcohol (t-Butanol)	ND	50									
tert-Amyl methyl ether (TAME)	ND	10									
tert-Butylbenzene	ND	10									
Tetrachloroethene	ND	10									
Toluene	ND	10									
trans-1,2-Dichloroethene	ND	10									
trans-1,3-Dichloropropene	ND	10									
Trichloroethene	ND	10									
Trichlorofluoromethane	ND	10									
Vinyl chloride	ND	10									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0801163
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R15292

Sample ID MB	SampType: MBLK	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219910

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	20									
Surr: 4-Bromofluorobenzene	55.89	0	50	0	112	55.8	141				
Surr: Dibromofluoromethane	56.19	0	50	0	112	59.8	148				
Surr: Toluene-d8	45.43	0	50	0	90.9	55.2	133				

Sample ID LCS	SampType: LCS	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219911

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	42.89	10	50	0	85.8	53.7	139				
Benzene	51.21	10	50	0	102	66.5	135				
Chlorobenzene	45.04	10	50	0	90.1	57.5	150				
Toluene	42.82	10	50	0	85.6	56.8	134				
Trichloroethene	45.81	10	50	0	91.6	57.4	134				
Surr: 4-Bromofluorobenzene	57.22	0	50	0	114	55.8	141				
Surr: Dibromofluoromethane	44.07	0	50	0	88.1	59.8	148				
Surr: Toluene-d8	53.82	0	50	0	108	55.2	133				

Sample ID LCS D	SampType: LCS D	TestCode: 8260B_S	Units: µg/Kg	Prep Date: 2/3/2008	RunNo: 15292
Client ID: ZZZZZ	Batch ID: R15292	TestNo: SW8260B		Analysis Date: 2/3/2008	SeqNo: 219912

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	41.87	10	50	0	83.7	53.7	139	42.89	2.41	30	
Benzene	52.32	10	50	0	105	66.5	135	51.21	2.14	30	
Chlorobenzene	45.46	10	50	0	90.9	57.5	150	45.04	0.928	30	
Toluene	41.81	10	50	0	83.6	56.8	134	42.82	2.39	30	
Trichloroethene	51.87	10	50	0	104	57.4	134	45.81	12.4	30	
Surr: 4-Bromofluorobenzene	58.26	0	50	0	117	55.8	141	0	0	0	
Surr: Dibromofluoromethane	66.08	0	50	0	132	59.8	148	0	0	0	
Surr: Toluene-d8	51.42	0	50	0	103	55.2	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



KLEINFELDER

0801163

PROJECT NO. 54504		PROJECT NAME EOP- 700 INDEPENDENT RD		NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS										RECEIVING LAB:	
L.P. NO. (P.O. NO.)	SAMPLERS: (Signature/Number) J. WILLIAMS					BTX+MTBE (8260)	TPH (8260)	TPH (8015)	SILICA GEL (LNU)	MOB (ARCHIVE)							TORRENT
DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX														INSTRUCTIONS/REMARKS -REPORT SOIL AS DRY WEIGHT STANDARD TAT
1	1/23/08	1530	K25-4	SOIL	1	TUBE											01A
2	1/1	1533	K25-8	SOIL	1		X	X	X	X							02A
3		1536	K25-12	SOIL	1								X				03A
4		1539	K25-16	SOIL	1								X				04A
5		1539/1543	K25-20	SOIL	1		X	X	X	X							05A
6		1546	K25-23	SOIL	1								X				06A
7		1625	K25-28	SOIL	1								X				07A
8		1640	K25-31	SOIL	1		X	X	X	X							08A
9		1719	K25-34	SOIL	1								X				09A
10		1724	K25-37	SOIL	1								X				10A
11		1728	K25-40	SOIL	1	↓							X				11A
12		1700	K25-6W-28	WATER	6	VOYAL	X	X	X	X							12A
13		1755	K25-6W-36	WATER	4	VOYAL	X	X	X	X							13A
14																	
15																	
16																	
17																	
18																	
19																	
20																	

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 1/24/08/1153	Received by: (Signature) <i>Natalie Brown</i>	Instructions/Remarks: LEVEL II DATA PACKAGE + EQUS EZEDD EMAIL RESULTS TO: calnestada pwalters@kleinfelder.com	Send Results To:
Relinquished by: (Signature) <i>Natalie Brown</i>	Date/Time 1/24/08/12:32	Received by: (Signature) <i>[Signature]</i>		7133 KOLL CENTER PARKWAY SUITE 100 PLEASANTON, CA 94566 (925) 484-1700
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)		Attn: CHARLIE ALMESTAD PATRICIA WALTERS



February 11, 2008

Charlie Almestad
KLEINFELDER
1970 Broadway, Suite 710
Oakland, CA 94612

TEL: (510) 628-9000
FAX (510) 628-9009

RE: 08-555

Order No.: 0802003

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 4 samples on 2/1/2008 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,


Laboratory Director


Date

Patti Sandrock
QA Officer 



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 2/1/2008
Date Reported: 2/11/2008

Client Sample ID: MW-5
Sample Location: 700 Independent Road
Sample Matrix: GROUNDWATER
Date/Time Sampled 1/31/2008 2:18:00 PM

Lab Sample ID: 0802003-001
Date Prepared: 2/6/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Ethylbenzene	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Methyl tert-butyl ether (MTBE)	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Toluene	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Xylenes, Total	SW8260B	2/6/2008	1.5	1	1.50	ND	µg/L	R15310
Surr: Dibromofluoromethane	SW8260B	2/6/2008	0	1	61.2-131	95.0	%REC	R15310
Surr: 4-Bromofluorobenzene	SW8260B	2/6/2008	0	1	64.1-120	103	%REC	R15310
Surr: Toluene-d8	SW8260B	2/6/2008	0	1	75.1-127	103	%REC	R15310
TPH (Gasoline)	SW8260B(TPH)	2/8/2008	50	1	50	55x	µg/L	G15360
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/8/2008	0	1	58.4-133	117	%REC	G15360

Note: x - Does not match typical gasoline pattern. Reported values are the result of presence of non-gasoline compounds within the gasoline quantitative range.

Client Sample ID: MW-5
Sample Location: 00 Independent Road
Sample Matrix: GROUNDWATER
Date/Time Sampled 1/31/2008 2:18:00 PM

Lab Sample ID: 0802003-002
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	2/5/2008	0.1	1	0.100	0.544x	mg/L	R15318
Surr: Pentacosane	SW8015B	2/5/2008	0	1	40-120	64.0	%REC	R15318

Note: x- Sample chromatogram does not resemble typical diesel pattern. Hydrocarbons within the diesel range quantitated as diesel.

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 2/1/2008
Date Reported: 2/11/2008

Client Sample ID: MW-4
Sample Location: 00 Independent Road
Sample Matrix: GROUNDWATER
Date/Time Sampled 1/31/2008 5:20:00 PM

Lab Sample ID: 0802003-003
Date Prepared: 2/6/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Ethylbenzene	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Methyl tert-butyl ether (MTBE)	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Toluene	SW8260B	2/6/2008	0.5	1	0.500	ND	µg/L	R15310
Xylenes, Total	SW8260B	2/6/2008	1.5	1	1.50	ND	µg/L	R15310
Surr: Dibromofluoromethane	SW8260B	2/6/2008	0	1	61.2-131	97.8	%REC	R15310
Surr: 4-Bromofluorobenzene	SW8260B	2/6/2008	0	1	64.1-120	105	%REC	R15310
Surr: Toluene-d8	SW8260B	2/6/2008	0	1	75.1-127	96.9	%REC	R15310
TPH (Gasoline)	SW8260B(TPH)	2/8/2008	50	1	50	56x	µg/L	G15360
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	2/8/2008	0	1	58.4-133	111	%REC	G15360

Note: x - Does not match typical gasoline pattern. Reported values are the result of presence of non-gasoline compounds within the gasoline quantitative range.

Client Sample ID: MW-4
Sample Location: 00 Independent Road
Sample Matrix: GROUNDWATER
Date/Time Sampled 1/31/2008 5:20:00 PM

Lab Sample ID: 0802003-004
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	2/5/2008	0.1	1	0.100	ND	mg/L	R15318
Surr: Pentacosane	SW8015B	2/5/2008	0	1	40-120	71.0	%REC	R15318

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

CLIENT: KLEINFELDER
Work Order: 0802003
Project: 08-555

ANALYTICAL QC SUMMARY REPORT

BatchID: G15360

Sample ID BLK-G	SampType: MBLK	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 2/8/2008	RunNo: 15360						
Client ID: ZZZZZ	Batch ID: G15360	TestNo: SW8260B(TP)	Analysis Date: 2/8/2008	SeqNo: 220886							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	9.000	0	11.36	0	79.2	58.4	133				

Sample ID LCS-G	SampType: LCS	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 2/7/2008	RunNo: 15360						
Client ID: ZZZZZ	Batch ID: G15360	TestNo: SW8260B(TP)	Analysis Date: 2/7/2008	SeqNo: 220887							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	189.5	50	227	0	83.5	52.4	127				
Surr: 4-Bromofllurobenzene	9.900	0	11.36	0	87.1	58.4	133				

Sample ID LCSD-G	SampType: LCSD	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 2/7/2008	RunNo: 15360						
Client ID: ZZZZZ	Batch ID: G15360	TestNo: SW8260B(TP)	Analysis Date: 2/7/2008	SeqNo: 220888							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	219.0	50	227	0	96.5	52.4	127	189.5	14.4	20	
Surr: 4-Bromofllurobenzene	11.30	0	11.36	0	99.5	58.4	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0802003
Project: 08-555

ANALYTICAL QC SUMMARY REPORT

BatchID: R15310

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
mb	MBLK	8260B_W	µg/L	2/5/2008	15310						
Client ID: ZZZZZ	Batch ID: R15310	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220186						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.340									
Ethylbenzene	ND	0.250									
Methyl tert-butyl ether (MTBE)	ND	0.390									
Toluene	ND	0.300									
Xylenes, Total	ND	0.770									
Surr: Dibromofluoromethane	11.17	0.395	11.36	0	98.3	61.2	131				
Surr: 4-Bromofluorobenzene	11.98	0.498	11.36	0	105	64.1	120				
Surr: Toluene-d8	10.25	0.531	11.36	0	90.2	75.1	127				

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCS	LCS	8260B_W	µg/L	2/5/2008	15310						
Client ID: ZZZZZ	Batch ID: R15310	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220187						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.47	0.500	17.04	0	114	66.9	140				
Toluene	19.60	0.500	17.04	0	115	76.6	123				
Surr: Dibromofluoromethane	10.60	0	11.36	0	93.3	61.2	131				
Surr: 4-Bromofluorobenzene	11.27	0	11.36	0	99.2	64.1	120				
Surr: Toluene-d8	11.14	0	11.36	0	98.1	75.1	127				

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCSD	LCSD	8260B_W	µg/L	2/5/2008	15310						
Client ID: ZZZZZ	Batch ID: R15310	TestNo: SW8260B		Analysis Date: 2/5/2008	SeqNo: 220188						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	16.16	0.500	17.04	0	94.8	66.9	140	19.47	18.6	20	
Toluene	16.31	0.500	17.04	0	95.7	76.6	123	19.6	18.3	20	
Surr: Dibromofluoromethane	10.71	0	11.36	0	94.3	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.48	0	11.36	0	101	64.1	120	0	0	0	
Surr: Toluene-d8	10.66	0	11.36	0	93.8	75.1	127	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: KLEINFELDER
Work Order: 0802003
Project: 08-555

ANALYTICAL QC SUMMARY REPORT

BatchID: R15318

Sample ID WDSG080204-MB	SampType: MBLK	TestCode: TPHDOSG_	Units: mg/L	Prep Date: 2/4/2008	RunNo: 15318						
Client ID: ZZZZZ	Batch ID: R15318	TestNo: SW8015B		Analysis Date: 2/5/2008	SeqNo: 220243						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel-SG)	ND	0.100									
Surr: Pentacosane	0.07700	0	0.1	0	77.0	40	120				

Sample ID WDSG080204-LCS	SampType: LCS	TestCode: TPHDOSG_	Units: mg/L	Prep Date: 2/4/2008	RunNo: 15318						
Client ID: ZZZZZ	Batch ID: R15318	TestNo: SW8015B		Analysis Date: 2/5/2008	SeqNo: 220244						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel-SG)	0.3610	0.100	0.5	0	72.2	46.8	104				
Surr: Pentacosane	0.07900	0	0.1	0	79.0	46.8	104				

Sample ID WDSG080204-LCSD	SampType: LCSD	TestCode: TPHDOSG_	Units: mg/L	Prep Date: 2/4/2008	RunNo: 15318						
Client ID: ZZZZZ	Batch ID: R15318	TestNo: SW8015B		Analysis Date: 2/5/2008	SeqNo: 220245						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Diesel-SG)	0.4290	0.100	0.5	0	85.8	46.8	104	0.361	17.2	0	
Surr: Pentacosane	0.09300	0	0.1	0	93.0	46.8	104	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits



KLEINFELDER

0802003

PROJECT NO.		PROJECT NAME		NO.	TYPE	ANALYSIS	RECEIVING LAB:
54504		700 Independent Rd.					
L.P. NO. (P.O. NO.)		SAMPLERS: (Signature/Number)		CON- TAINERS	CON- TAINERS	factory generated TPH-g	INSTRUCTIONS/REMARKS
		08-555					
DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX				
1	1/31/08 14:18	MW-5	Liquid 48	48	VOA	X	-001A
2	14:18	MW-5	Liquid 1	1	"Amber	X	-002A
3	17:20	MW-4	!	48	VOA	X	-003A
4	17:20	MW-4	!	1	"Amber	X	-004A
5							
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18							
19							
20							

* HCl removed due to effervescence for VOAs
please remove sediment in Amber jars

-Analysis for factory generated + TPH-g
TPH-g use silica gel clean-up

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Instructions/Remarks:

Send Results To:

KLEINFELDER
1970 Broadway
SUITE 710
Oakland, CA 94612
(510) 628-9000

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Attn:

Charlie Almestad (CNmestad@kleinfelder.com)

Relinquished by: (Signature)

Date/Time

Received for Laboratory by: (Signature)

Pink - Lab Copy

No 1165

M-60

White - Sampler

Canary - Return Copy To Shipper

CHAIN OF CUSTODY

Login: DMW 02/01/07