Equity Office

Peninsula Office Park 4
2655 Campus Drive, Suite 100
San Mateo, California 94403

phone 650.372.3500
www.equityoffice.com

August 14, 2009

Jerry Wickham
Alameda County Health Care Services Agency
Environmental Health Services, Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Second Quarter 2009 Groundwater Monitoring Report, 700 Independent Road, Oakland, California, Fuel Leak Case No. RO0002900

Dear Mr. Wickham,

Enclosed is a Groundwater Monitoring Report for the second quarter 2009 for the property located at 700 Independent Road, Oakland, California. The quarterly groundwater monitoring report was prepared by Kleinfelder Inc. on behalf of EOP – Industrial Portfolio, LLC. This report was prepared and is being submitted to Alameda Health Care Services Agency, Environmental Health Services pursuant to your request in a letter to Mr. James Soutter dated September 10, 2008.

I declare, under penalty of perjury, that the information and / or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,
EOP – Industrial Portfolio, LLC.

James Soutter
Director – Engineering

Enclosure: Groundwater Monitoring Report, 700 Independent Road, Oakland, California

SECOND QUARTER 2009
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

August 18, 2009

A Report Prepared for:

EOP - Industrial Portfolio, LLC
2 North Riverside Plaza – Suite 2100
Chicago, IL 60606

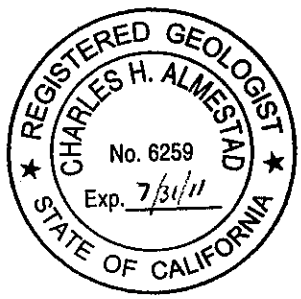
FIRST QUARTER 2009
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

Kleinfelder Job No. 54504/8
Fuel Leak Case No. RO0002900

Prepared by:

Alvaro Domínguez
Environmental Project Professional

Charles Almestad, P.G., C.HG.
Principal Professional



KLEINFELDER WEST, INC.
1970 Broadway, Suite 710
Oakland, California 94612
(510) 628-9000

August 18, 2009

TABLE OF CONTENTS

TABLES

PLATES

APPENDICES

1.0 INTRODUCTION

This report describes the second quarter 2009 groundwater monitoring activities at 700 Independent Road, Oakland California (the site). The work was performed by Kleinfelder for EOP - Industrial Portfolio, LLC (EOP) in response to a request by Alameda County Environmental Health Services (ACEHS) staff in a letter to EOP dated June 13, 2007.

Kleinfelder performed the following field tasks:

- Collection of groundwater samples from the five monitoring wells for total petroleum hydrocarbon and volatile organic chemical analysis;
- Measurement of groundwater levels in the five monitoring wells; and
- Containment of the purge water generated during groundwater sampling for subsequent disposal.

2.0 BACKGROUND INFORMATION

This section presents a brief description of the site and a summary of previous investigations performed at the site.

2.1 SITE DESCRIPTION

The site is located at 700 Independent Road, in an industrial area of Oakland, California, and is approximately five acres in size. The site is situated approximately 2,000 feet northwest of the McAfee Stadium (Plate 1). A one-story warehouse building, a parking lot and a railroad spur occupy the site (Plate 2). The site is currently leased for warehouse purposes. Near surface soils consist of clays and silty-clays with sandy inter-beds. First groundwater has generally been encountered during drilling at a depth of approximately eight to 10 feet below ground surface (bgs).

2.2 PREVIOUS INVESTIGATIONS

Previous environmental work at the site includes the discovery and removal of an approximately 1,100-gallon capacity underground storage tank (UST) that had been used for fuel storage, and three subsequent subsurface investigations.

2.2.1 UST Discovery and Removal

A subsurface investigation performed for a prospective purchaser of the 700 Independent Road property uncovered the presence of petroleum hydrocarbons in soil and groundwater near the loading dock at the site. As a follow-up to this discovery, Kleinfelder searched regulatory agency records, performed a geophysical survey and identified a UST and associated piping in the vicinity of the western end of the loading dock.

On August 17, 2005, under permit from the City of Oakland Fire Department, Golden Gate Tank Removal, Inc., a subcontractor of Kleinfelder, removed and disposed of one 1,100-gallon UST. Confirmation soil samples were collected from the sidewalls and bottom of the excavation pit. The analytical results indicated the presence of petroleum hydrocarbons at concentrations exceeding Regional Water Quality Control Board (RWQCB), San Francisco Bay Region Environmental Screening Levels (ESLs). A

report documenting the UST removal process and summarizing the analytical results was prepared and submitted to the City of Oakland Fire Department on November 1, 2005. Based on the concentrations of petroleum hydrocarbons, the Fire Department referred the case to the ACEHS. The ACEHS became the lead government agency overseeing remedial actions at the site. The ACEHS assigned the Site Case Number RO0002900.

2.2.2 Subsequent Subsurface Investigations

In a letter dated February 24, 2006, the ACEHS requested that EOP prepare and implement a work plan to delineate the extent of petroleum hydrocarbon impacted soil and groundwater at the site. On July 24, 25 and August 10, 2006, Kleinfelder performed a subsurface investigation consisting of the collection and analyses of soil and groundwater samples from 13 locations in the vicinity of the former UST. The analytical results of the soil samples indicated the presence of Total Petroleum Hydrocarbons as gasoline (TPH-g), benzene and xylenes, at concentrations up to 810 milligrams per kilogram (mg/Kg), 3,000 mg/Kg, and 33,000 mg/Kg, respectively.

In groundwater, TPH-g and Total Petroleum Hydrocarbons as diesel (TPH-d) were detected at concentrations up to 42,000 micrograms per liter (µg/L) and 4,190 µg/L, respectively. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were reported at concentrations up to 13,800 µg/L, 929 µg/L, 2,810 µg/L, and 3,140 µg/L, respectively. The results of this investigation were summarized in the September 27, 2006 report titled *Site Field Investigation, 700 Independent Road, Oakland, California,* prepared by Kleinfelder.

In a letter dated October 6, 2006, the ACEHS requested that EOP prepare and implement a work plan to further delineate the horizontal and vertical extent of petroleum hydrocarbons at the site. The work plan was prepared by Kleinfelder and included plans for a soil vapor survey to assess potential indoor vapor intrusion into the warehouse; installation of three groundwater monitoring wells within the impacted area; performing a 2,000-foot radius groundwater well survey; identifying potential subsurface utility pathways; and uploading the site's information onto the GeoTracker system.

Between March 4 and 7, 2007, Kleinfelder collected subsurface soil, soil-vapor, and groundwater samples, and installed three monitoring wells (MW-1 through MW-3) at the site. No chemicals of concern were reported at or above the 2007 RWQCB ESLs in the soil-vapor samples. In subsurface soil and groundwater, the highest petroleum hydrocarbon concentrations were reported in soil boring K-19 and in monitoring well MW-2, both located in the immediate vicinity of the former UST. In the soil sample collected from boring K-19, at a depth of 18-feet to 20-feet bgs, BTEX was reported at 11 mg/Kg, 26 mg/Kg, 33 mg/Kg, and 170 mg/Kg, respectively. In addition, TPH-g and TPH-d were reported at 1,900 mg/Kg and 200 mg/Kg, respectively. In the groundwater sample from MW-2, TPH-g and benzene were reported at 38 mg/L and 11.6 mg/L, respectively.

The analytical results for TPH-g and TPH-d in soil and groundwater samples collected from monitoring well (MW-1) and boring (K-18), located approximately 70 to 90-feet east from the former UST location, were also elevated (Plate 3). MW-1 and K-18 were believed at the time to be hydraulically side-gradient to the former UST. In soil samples collected from MW-1, TPH-g and TPH-d were reported at 12,000 mg/Kg and 588 mg/Kg at 19.5 feet bgs; BTEX at 19.5 feet bgs was reported at 63 mg/Kg, 250 mg/Kg, 310 mg/Kg, and 1,200 mg/Kg, respectively. In the groundwater sample from MW-1, TPH-g and benzene were reported at 3.3 mg/L and 0.162 mg/L respectively. To the north, west, and south of the former UST the extent of petroleum hydrocarbons in soil and groundwater was generally defined. Kleinfelder summarized the field activities and analytical results of the investigation in a report titled *Further Site Investigation Report, 700 Independent Road, Oakland, California,* and dated May 11, 2007.

Following submittal of the *Further Site Investigation Report, ACEHS* requested additional subsurface investigation at the site. This additional investigation was conducted from January 21 to January 31, 2008. This investigation consisted of collecting and analyzing soil and groundwater samples from five borings (K-21 to K-25) to further characterize the vertical and horizontal extent of contamination associated with the former UST. The investigation assessed whether potential offsite sources have contributed to petroleum hydrocarbons found in the subsurface at the site. Two additional groundwater monitoring wells were installed (MW-4 and MW-5).

During the January 2008 investigation, no chemicals of concern were reported in soil samples at concentrations above the laboratory's reporting limit. In the grab groundwater samples collected from the borings, no chemicals of concern were reported at concentrations at or above the laboratory's reporting limit, except for TPH-g and TPH-d in the groundwater samples collected from MW-4 and MW-5. In the samples from MW-4 and MW-5, TPH-g was reported slightly above the laboratory's 50 µg/L reporting limit, at 56-µg/L and 55-µg/L, respectively. In the sample collected from MW-5, TPH-d was reported at a concentration of 544 µg/L. All of these concentrations are below their respective and most current (May 2008) ESLs.

2.2.3 Previous Quarterly Groundwater Monitoring/Beneficial Use of Groundwater

Quarterly groundwater monitoring at the site has been conducted since March 2007 in MW-1, MW-2, and MW-3, and since January 2008 in MW-4 and MW-5. Table 1 presents the monitoring well construction details and Table 2 presents depth to water measurements and groundwater surface elevations. Table 3 presents final groundwater purge characteristics prior to sample collection and Table 4 presents a summary of the chemical data.

As part of the fourth quarter groundwater sampling event conducted in December 2007, analysis of total dissolved solids (TDS) was performed on groundwater samples collected from MW-1, MW-2, and MW-3 to confirm the high electrical conductivity (EC) measurements obtained with field instruments. Reported TDS levels ranged from 8,600,000 mg/L to 17,000,000 mg/L (Table 4). San Francisco Regional Water Quality Control Board (SFRWQCB) Resolution No. 89-39, "Sources of Drinking Water," states that if the EC of groundwater exceeds 5000 uS/cm EC (3,000 mg/L TDS) the water is not expected to be reasonably suitable to supply a public water system. Therefore, based on Resolution 89-39 and the TDS data from the ground-water samples collected in December 2007, groundwater beneath the 700 Independent Road property cannot reasonably be considered to have an actual or potential beneficial use as a source for drinking water.

2.2.4 Chemical Injection Pilot Test

In December 2008, a pilot test was performed to assess the effectiveness of in situ chemical oxidation to treat petroleum hydrocarbons in the site's subsurface and obtain

design parameters for the potential implementation of full scale chemical oxidation treatment at the site. The pilot test consisted of injecting modified Fenton's reagent (containing hydrogen peroxide and an iron catalyst) into the subsurface. Using direct push technology, injection was performed at 11 locations in the vicinity of the UST's former location. On December 1, 2008, prior to injection, baseline soil and groundwater samples were collected. Baseline soil and groundwater samples were collected from two borings drilled in the vicinity of the former UST and from wells MW-1, MW-2, and MW-3. Baseline groundwater sampling was carried out concurrent with the fourth quarter 2008 monitoring event. In addition to petroleum hydrocarbons, baseline soil and groundwater samples were analyzed for metals, major ions, hexavalent chromium, dissolved ferrous iron, alkalinity as calcium-carbonate, total organic carbon, and total dissolved solids.

On January 12, 2009, approximately one month after the pilot test was performed, soil borings were drilled for soil sampling, and groundwater samples were collected for monitoring wells MW-1, MW-2 and MW-3 to assess the effectiveness of the chemical oxidation treatment. The analytical results demonstrated the effectiveness of in situ chemical oxidation. Further treatment was recommended and scheduled for the second quarter 2009. A description of the pilot test and a summary of results are included in a report titled In situ Chemical Oxidation Pilot Test Report, 700 Independent Road, Oakland California, and dated March 18, 2009.

A second round of in-situ chemical oxidation injection was performed between May 27 and June 4, 2009. Results of that work will be reported in a separate report in August 2009.

3.0 FIELD ACTIVITIES

This section summarizes the monitoring activities performed during in the second quarter 2009 groundwater monitoring event.

3.1 GROUNDWATER MONITORING ACTIVITIES

The second quarter 2009 groundwater-monitoring event took place on June 30, 2009. Prior to monitoring activities, field instrumentation was checked and calibrated.

3.1.1 Water Level Measurements

Prior to groundwater sample collection, the depth to water in each well was measured to the nearest 0.01-foot, using a clean, calibrated electronic water-level indicator. Water-level measurements were used to calculate the volume of water present in the well for purging purposes and to calculate groundwater elevation and groundwater flow patterns at the site. Water level measurements and groundwater flow patterns are discussed in Section 4.1.

3.1.2 Groundwater Sample Collection

Upon completing water-level measurements, and prior to collecting groundwater samples, Kleinfelder purged approximately three casing volumes from each monitoring well using a peristaltic pump. During purging, pH, temperature, and electrical conductivity (EC) were measured. Samples were collected when these field parameters became stable (three measurements within 10% of each other), or after three well casing volumes had been removed.

After purging, groundwater samples from each monitoring well were collected using a new disposable bailer. Groundwater samples were decanted into the appropriate laboratory-supplied containers. The containers were labeled and subsequently placed into a pre-chilled cooler with ice, pending delivery to the laboratory for chemical analysis. Samples were delivered to a State-certified laboratory under chain of custody protocol.

3.1.3 Analytical Laboratory Parameters

Torrent Laboratory, Inc., a state-certified analytical laboratory, performed the chemical analysis for the second quarter 2009 groundwater monitoring event. Samples were analyzed for the following parameters:

- TPH-d using Environmental Protection Agency (EPA) Method 8015M, and
- VOCs (including BTEX and methyl tert butyl ether (MTBE)) and TPH-g, using EPA Method 8260B.

3.2 DECONTAMINATION PROCEDURES

Prior to performing groundwater level measurements, and between measurements at each well location, the electronic water level indicator probe and cable was cleaned with an Alconox™ water solution and subsequently rinsed with tap water, followed by distilled water. Equipment used to sample each well, including disposable bailers and twine, was dedicated to each well and disposed of after use.

3.3 INVESTIGATION-DERIVED WASTE HANDLING PROCEDURES

Investigation-derived wastes, consisting of well purge water and decontamination rinsate fluids, were contained in one United States Department of Transportation (DOT)-approved 55-gallon drum. Prior to use, the drum was inspected for physical integrity and condition. The drum was left onsite with an appropriate label identifying the waste source location, physical contents, date, and generator's name.

4.0 MONITORING RESULTS

The second quarter 2009 groundwater monitoring event took place on June 30, 2009, as described in Section 3 of this report. Depth to groundwater and groundwater samples for chemical analysis were collected from each of the five monitoring wells at the site. This section summarizes the water-level measurements and groundwater chemical analysis results. Table 1 provides monitoring well construction details. Plate 3 shows the location of the monitoring wells.

4.1 GROUNDWATER LEVELS

Depth to groundwater was measure in each well from the top of casing. On June 30, 2009, the depth to groundwater ranged from 4.82 to 5.97 feet. Groundwater surface elevations ranged from 4.13 to 4.82 feet (NAVD, 1988). Table 2 presents a summary of groundwater level data. Since March12, 2009, the last time Kleinfelder measured groundwater water levels, groundwater surface elevations declined between approximately one third and one half foot.

Water-level measurements were used to estimate groundwater surface elevation contours and groundwater flow patterns, shown on Plate 3. Based on the June 30, 2009 depth to groundwater data, groundwater beneath the site was estimated to flow towards the north and southeast. The hydraulic gradient varied considerably at the site and therefore was not estimated. The second quarter 2009 flow directions are similar to those found previously at the site.

4.2 GROUNDWATER SAMPLE RESULTS

On June 30, 2009 groundwater samples were collected from wells MW-1, MW-2, MW-3, MW-4, and MW-5 and analyzed for TPH-g, TPH-d, BTEX and MTBE. Groundwater purge data, groundwater analytical results, and quality assurance / quality control data are discussed in the following sections.

4.2.1 Purge Characteristic Data

Prior to groundwater sample collection, the wells were purged to allow the inflow of water from the water bearing zones. Temperature, pH and EC were measured during purging. Table 3 presents final purge characteristic data.

4.2.2 Total Petroleum Hydrocarbons and Volatile Organics

Groundwater analytical results are summarized in Table 4. Certified analytical laboratory reports are included in Appendix B.

4.2.2.1 Environmental Screening Levels (ESLs)

The SFRWQCB developed ESLs for use as initial indicators of potential impacts to human health or the environment. Kleinfelder compared the reported concentrations of each reported compound to its respective most-stringent ESL, as available and presented in the SFRWQCB's guidance document *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (Interim Final – November 2007, revised May 2008). Kleinfelder referenced the ESLs for groundwater where groundwater is not a current or potential source of drinking water based on the finding that the shallow groundwater at the site is not suitable as a source of drinking water per SFRWQCB Resolution No. 89-39 (see Section 2.2.3).

4.2.2.2 Total Petroleum and Aromatic Hydrocarbon Results

Compared to the concentrations reported during the first quarter 2009 groundwater monitoring event, the chemicals of concern reported in groundwater samples from MW-1 and MW-2, the two monitoring wells where the presence of chemicals of concern has been historically reported above the laboratory's reporting limit, were reported at significantly lower concentrations.

In the groundwater sample from MW-1, TPH-d was not detected above the laboratory's reporting limit of 100 µg/L (compared to 540 µg/L reported prior to chemical oxidation treatment); TPH-g was reported at 870 µg/L (compared to 12,000 µg/L); benzene was reported at 99 µg/L (compared to 1,020 µg/L); toluene was reported at 15 µg/L (compared to 144 µg/L); ethylbenzene was reported at 33 µg/L (compared to 235 µg/L);

and total xylenes were reported at 34 µg/L (compared to 455 µg/L). In the groundwater sample from MW-1, TPH-g and benzene were the only chemicals of concern reported above their respective ESLs of 210 µg/L and 46 µg/L, respectively.

In the groundwater from MW-2, TPH-d was reported at 657 µg/L (compared to 3,770 µg/L reported prior to chemical oxidation treatment); TPH-g was reported at 20,000 µg/L (compared to 53,000 µg/L); benzene was reported at 7,600 µg/L (compared to 20,500 µg/L); toluene was not detected at concentrations above the laboratory's reporting limit of 44 µg/L (compared to 552 µg/L); ethylbenzene was reported at 400 µg/L (compared to 1,350 µg/L); and total xylenes were reported at 330 µg/L (compared to 5,420 µg/L).

In the groundwater samples from MW-1 and MW-2, TPH-g and benzene were reported at concentrations above their ESL of 210 µg/L and 46 µg/L, respectively; and in MW-2, TPH-d, ethylbenzene and total xylenes were reported above their ESL if 210 µg/L, 43 µg/L, and 100 µg/L, respectively.

Chemicals of concern were not detected at concentrations at or above the laboratory's reporting limit in the groundwater samples collected from MW-3, MW-4, and MW-5.

4.2.3 Quality Assurance / Quality Control

For the current set of samples, laboratory quality assurance / quality control parameters did not deviate from accepted norms. Samples were preserved and transported to the laboratory under chain-of-custody control protocols. All samples were analyzed within holding times, method blanks were not found to contain chemicals of interest, and surrogate recoveries were within accepted ranges.

The analytical results of the duplicate sample (MW-2 dup), were within 10 percent of the analytical results from MW-2, indicating good laboratory precision.

5.0 SUMMARY OF RESULTS

This section presents a summary of the monitoring results from the groundwater monitoring event performed in June 2009.

5.1 HYDRAULIC CONDITIONS

In June 2009, groundwater was inferred to flow to the north and southeast (Plate 3). This flow pattern is similar to groundwater flow patterns inferred in the past. Between March and June groundwater surface elevations declined by about a one third and one half foot; likely the result of the absence of rainfall in the area.

5.2 WATER QUALITY

The chemicals of concern reported at concentrations above the laboratory's reporting limit in the groundwater samples from MW-1 and MW-2 were reported at lower concentrations than those reported in March 2009. This decline appears related to the chemical oxidation treatment implemented between May 27 and June 4, 2008. No chemicals of concern were detected at concentrations above the laboratory's reporting limit in the groundwater samples from MW-3, MW-4, and MW-5.

Analytical quality control data were within accepted laboratory norms and the analytical results are considered reliable.

6.0 LIMITATIONS

Kleinfelder prepared this report in accordance with generally accepted standards of care that exist in Alameda County at the time this investigation was performed. All information gathered by Kleinfelder is considered confidential and will be released only upon written authorization of EOP or as required by law.

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 that 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 of implied, is intended or made.

TABLES

Table 1

Monitoring Well Construction Details
700 Independent Road, Oakland, California

Construction Details by Depth Intervals (Feet Below Ground Surface)								Survey Data			
Well ID	Installation Date	Boring Depth	Solid Casing	Screen Interval	Sand Pack	Bentonite Seal	Grout Seal	Top of Casing Elevation (Feet[1])	Vault Elevation (Feet[1])	Longitude	Latitude
MW-1	3/5/2007	25.0	0.25-15	15-25	13-25	11-13	0.75-11	9.64	9.96	-122.2052412	37.7569160
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	-122.2054245	37.7568140
MW-3	3/5/2007	25.0	0.25-13	13-23	11-24	9-11	0.75-9	10.79	11.10	-122.2054503	37.7569371
MW-4	1/23/2008	25.0	0.25-15	15-25	14-25	13-14	0.75-13	9.61	10.35	-122.2051431	37.7570547
MW-5	1/23/2008	28.0	0.25-18	18-28	17-28	16-17	0.75-16	9.75	10.06	-122.2056247	37.7569999

Notes:

[1] 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

msl = mean sea level

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

Well ID	Date Measured	Depth to Water (feet)	Groundwater Surface Elevation (feet[1])
MW-1	4/13/2007	4.67	4.97
	9/10/2007	5.15	4.49
	12/17/2007	5.29	4.35
	2/18/2008	5.91	3.73
	3/28/2008	4.41	5.23
	6/11/2008	4.73	4.91
	12/1/2008	5.91	3.73
	3/12/2009	4.53	5.11
	6/30/2009	4.86	4.78
MW-2	4/13/2007	4.61	4.92
	9/10/2007	5.42	4.11
	12/17/2007	5.02	4.51
	2/18/2008	4.78	4.75
	3/28/2008	4.35	5.18
	6/11/2008	4.65	4.88
	12/1/2008	5.33	4.20
	3/12/2009	4.25	5.28
	6/30/2009	4.82	4.71
MW-3	4/13/2007	5.75	5.04
	9/10/2007	6.26	4.53
	12/17/2007	6.16	4.63
	2/18/2008	5.55	5.24
	3/28/2008	5.63	5.16
	6/11/2008	5.90	4.89
	12/1/2008	6.51	4.28
	3/12/2009	5.49	5.30
	6/30/2009	5.97	4.82
MW-4	4/13/2007	--	--
	9/10/2007	--	--
	12/17/2007	--	--
	2/18/2008	5.08	4.53
	3/28/2008	5.12	4.49
	6/11/2008	5.00	4.61
	12/1/2008	6.07	3.54
	3/12/2009	5.08	4.53
	6/30/2009	5.37	4.24
MW-5	4/13/2007	--	--
	9/10/2007	--	--
	12/17/2007	--	--
	2/18/2008	5.25	4.50
	3/28/2008	5.32	4.43
	6/11/2008	5.86	3.89
	12/1/2008	6.23	3.52
	3/12/2009	5.27	4.48
	6/30/2009	5.62	4.13

Notes:

[1] Survey elevations North American Vertical Datum of 1988 (NAVD88).

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.

Table 3
Final Purge Groundwater Characteristics
700 Independent Road, Oakland, California

Well ID	Date Sampled	Gallons Purged	Final pH	Final Specific Conductivity (µmhos/cm)	Final Temperature (degrees C)
MW-1	9/10/2007	8.0	6.78	> 3,999[a]	18.7
	12/17/2007	10.0	6.84	> 3,999[a]	17.2
	3/28/2008	10.3	6.83	21,607	16.5
	6/11/2008	17.0	7.21	21,236	17.2
	12/1 & 2/2008	11.0	6.63	26,376	17.7
	3/12/2009	11.0	6.44	26,916	17.1
	6/30/2009	11.2	8.45	--	17.3
MW-2	9/10/2007	6.8	6.70	> 3,999[a]	19.4
	12/17/2007	7.0	6.70	> 3,999[a]	17.8
	3/28/2008	10.3	6.89	22,932	15.9
	6/11/2008	11.7	6.91	24,775	17.7
	12/1 & 2/2008	7.5	6.55	24,976	18.3
	3/12/2009	7.5	6.55	14,014	16.3
	6/30/2009	7.6	5.59	--	17.0
MW-3	9/10/2007	8.5	6.97	> 3,999[a]	23.3
	12/17/2007	9.0	7.11	> 3,999[a]	20.9
	3/28/2008	11.0	7.04	12,686	18.9
	6/11/2008	14.3	7.68	12,695	20.9
	12/1 & 2/2008	9.0	6.96	13,537	21.4
	3/12/2009	9.5	6.78	12,490	19.3
	6/30/2009	8.4	6.89	--	21.6
	1/31/2008	12.0	7.04	> 3,999[a]	18.7
	3/28/2008	16.0	7.15	12,069	17.8
	6/11/2008	16.0	7.71	13,331	19.7
	12/1 & 2/2008	10.0	7.04	12,824	20.8
	3/12/2009	10.0	6.87	14,278	19.4
	6/30/2009	10.3	6.64	1	18.8
MW-5	1/31/2008	12.0	6.85	> 3,999[a]	19.2
	3/28/2008	11.0	7.05	7,574	19.9
	6/11/2008	16.0	7.02	7,406	19.8
	12/1 & 2/2008	11.0	6.89	8,774	20.0
	3/12/2009	16.0	6.72	9,151	19.7
	6/30/2009	11.9	6.99	--	19.2

Acronyms:

a	Exceeds equipment limits
C	Celsius
µmhos/cm	microsiemens per centimeter
--	conductivity measurements for the June 30, 2009 report are not included due to equipment malfunctioning

Table 4
Total Petroleum Hydrocarbons, Volatile Organics and Total Dissolved Solids In Groundwater
700 Independent Road, Oakland, California

Sample Location	Date Sampled	TPH-d	TPH-g	Benzene	Butylbenzene (sec-)	1,2 Dichloroethane	Ethylbenzene	Isopropylbenzene	Isopropyltoluene (4-)	Naphthalene	Propylbenzene (n-)	Toluene	Trimethylbenzene (1,2,4-)	Trimethylbenzene (1,3,5-)	Xylenes, total	Methyl tert butyl ether	Total Dissolved Solids
MW-1	3/19/2007	**390a**	**3,300**	**162**	NA	<1.1	**60.2**	NA	NA	NA	NA	**205**	NA	NA	**351**	<1.1	NA
	9/10/2007	**315a**	**1,700b**	**145**	0.9	<0.500	**72.2**	11.6	2.42	7.69	20.8	56.1	94.6	17.1	**197**	<0.500	NA
	12/17/2007	186a	**1,510b**	**204**	2.41	<0.500	**78.6**	9.96	1.69	4.35	19	15.1	67	6.12	56.7	<0.500	14,000,000
	3/28/2008	<100	**12,000**	**1,020**	NA	NA	**161**	NA	NA	NA	NA	19.1	NA	NA	60.0	<1.10	NA
	6/11/2008	**235a**	**4,700**	**721**	<4.40	<4.40	**160**	18.9	NA	**<52.8**	<4.40	84.8	132	11.0	**126**	<4.40	NA
	12/1&2/2008	**484f**	**2,900**	**295**	<4.40	<4.40	**137**	36.7	NA	**298**	88.4	27.1	501	35.1	**218**	<4.40	14,000,000
	3/12/2009	**504**	**7,700**	**488**	NA	NA	**235**	NA	NA	NA	NA	**144**	NA	NA	**455**	<4.40	NA
	6/30/2009	< 100	**870**	**99**	NA	NA	33	NA	NA	NA	NA	15	NA	NA	34	NA	NA
MW-2	3/19/2007	**940a**	**38,000**	**11,600**	NA	**226**	**588**	NA	NA	NA	NA	**274**	NA	NA	**2,880**	<13.2	NA
	9/10/2007	**1690a**	**52,100b**	**15,800**	<22.0	**611**	**1,120**	69.1	<22.0	**231**	143	**552**	1,270	650	**5,420**	<22.0	NA
	12/17/2007	**3,770a**	**30,900b**	**13,300**	<22.0	**568**	**1,350**	73	<22.0	**227**	118	**172**	1,230	352	**2,330**	<22.0	17,000,000
	3/28/2008	**300c**	**47,000**	**12,600**	NA	NA	**619**	NA	NA	NA	NA	67.3	NA	NA	**1,040**	<22.0	NA
	6/11/2008	**1,030a**	**31,000**	**19,700**	<44.0	**542**	**1,090**	<88.0	NA	**<528**	<44.0	81.0	154	731	**1,410**	<44.0	NA
	12/1&2/2008	**965f**	**53,000**	**20,500**	<44.0	**468**	**1,240**	<88.0	NA	**196**	125	<44.0	1,200	66.9	**1,180**	<44.0	17,000,000
	3/12/2009	**862**	**40,000**	**10,300**	NA	NA	**1,050**	NA	NA	NA	NA	91.5	NA	NA	**980**	<44.0	NA
	3/12/09 Dup	NA	**42,000**	**10,900**	NA	NA	**1,030**	NA	NA	NA	NA	95.9	NA	NA	**995**	<44.0	NA
	6/30/2009	**657a**	**20,000**	**7,300**	NA	NA	**400**	NA	NA	NA	NA	< 44	NA	NA	**330**	NA	NA
	6/30/2009Dup	**624a**	**20,000**	**7,600**	NA	NA	**370**	NA	NA	NA	NA	< 44	NA	NA	**300**	NA	NA
MW-3	3/19/2007	<100	<50	<0.500	NA	<0.500	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.5	<0.500	NA
	9/10/2007	<100	<50	<0.500	<0.500	<0.500	<0.500	<1.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.5	<0.500	NA
	12/17/2007	<100	<50	<0.500	<0.500	<0.500	<0.500	<1.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.5	<0.500	8,600,000
	3/28/2008	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	7,700,000
	3/12/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/30/2009	< 100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
MW-4	1/31/2008	< 100	56.0e	< 0.500	NA	NA	< 0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	3/28/2008	<100	61d	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	3/12/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/30/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
MW-5	1/31/2008	**544f**	55.0e	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	< 1.50	<0.500	NA
	3/28/2008	<100	57d	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA
	3/12/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/30/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
ESL*		210	210	46	NE	200	43	NE	NE	24	NE	130	NE	NE	100	1,800	NE

Notes:

All results in micrograms per liter (ug/l). Values in bold exceed corresponding ESLs.

a - Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Lighter end hydrocarbons and hydrocarbon peaks within the diesel range quantified as diesel.

b - Although TPH as gasoline is present, result is elevated due to the presence of non-target compounds within the gasoline quantitative range.

c - Although TPH as Gasoline constituents are present, results are elevated due to the presence of non-target compounds within range of C5-C12 quantified as Gasoline.

d - Does not match typical gasoline pattern. TPH value contains only non-target compounds within gasoline quantitative range.

e - Does not match typical gasoline pattern. Reported values are the result of presence of non-gasoline compounds within the gasoline quantitation range.

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

NE - Not established

NA - Not analyzed

* ESL - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, Interim Final - November 2007 (revised May 2008). Lowest level reported from: Table B. Environmental Screening Levels. Groundwater IS NOT a current or potential drinking water source.

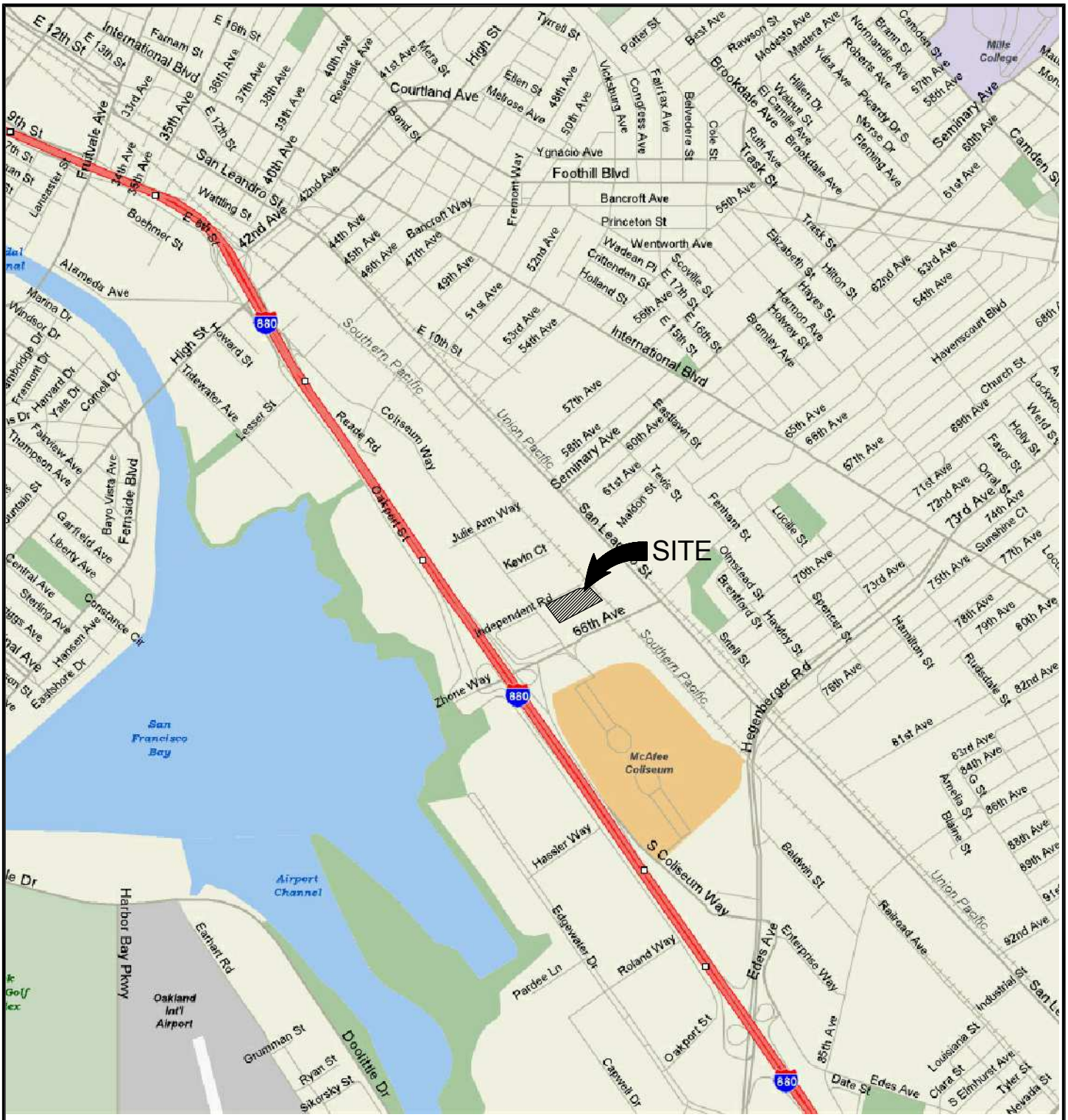
Acronyms:

TPH-d - Total Petroleum Hydrocarbons - diesel

TPH-g - Total Petroleum Hydrocarbons - gasoline

f - Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.

PLATES



N

2000 1000 0 2000

APPROXIMATE SCALE (feet)

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

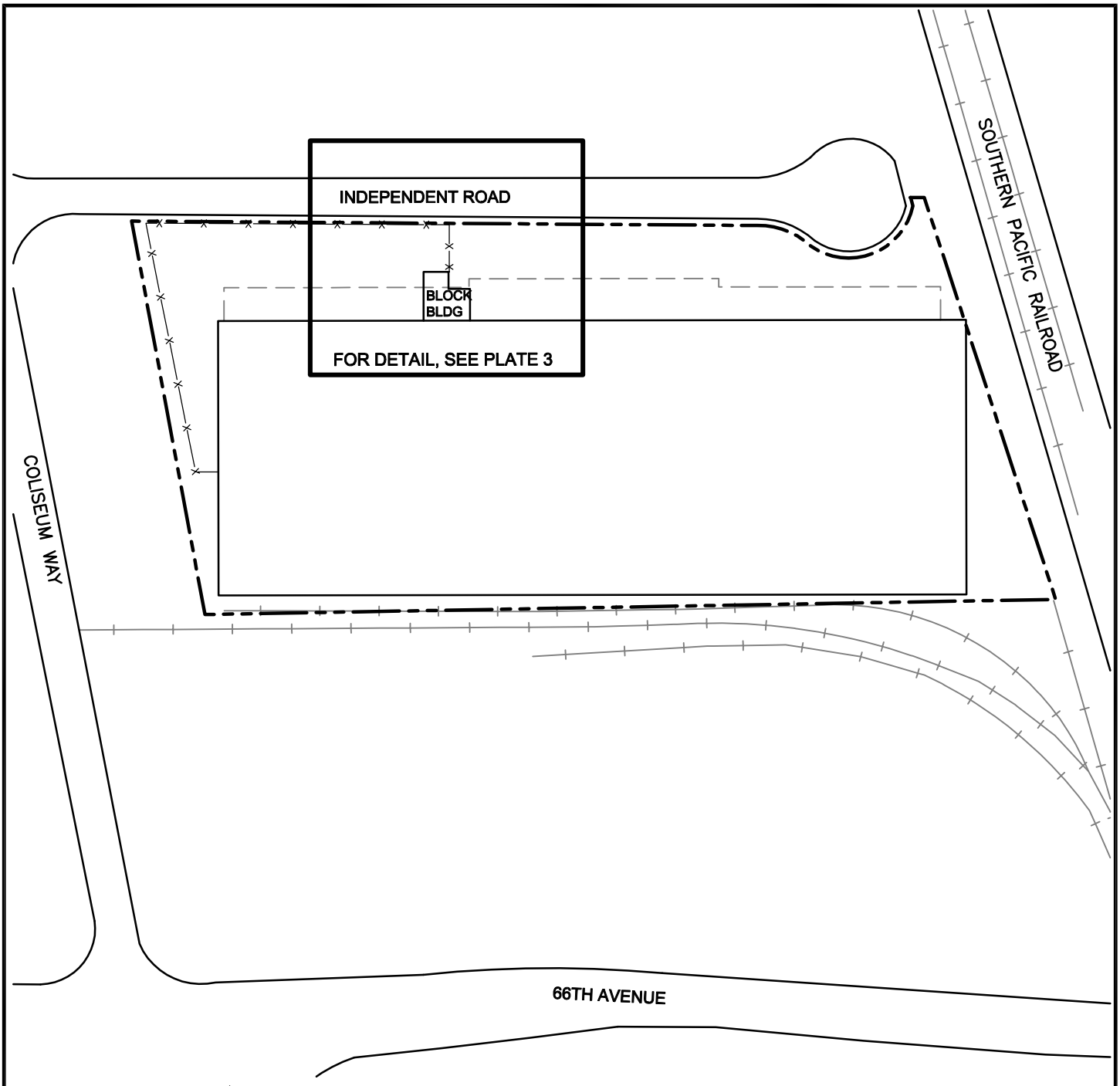
PROJECT NO.	54504
DRAWN:	AUG 2009
DRAWN BY:	JDS
CHECKED BY:	AD
FILE NAME: SITE-VIC.dwg	

SITE VICINITY MAP

700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

PLATE **1**

PLOTTED: 10 Aug 2009, 1:34pm, jsala
LAYOUT: Layout1
CAD FILE: D:_PROJECTS\54504\8\08-2009\
XRef: Eng-A_8x11_P_StyleA
Images: VIC-MAP.jpg
ATTACHED IMAGES:
ATTACHED XREFS:
PLEASANTON, CA



LEGEND

PROPERTY BOUNDARY

FENCE LINE

LIMITS OF BUILDING OVERHANG

NOTE: Locations are approximate.

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

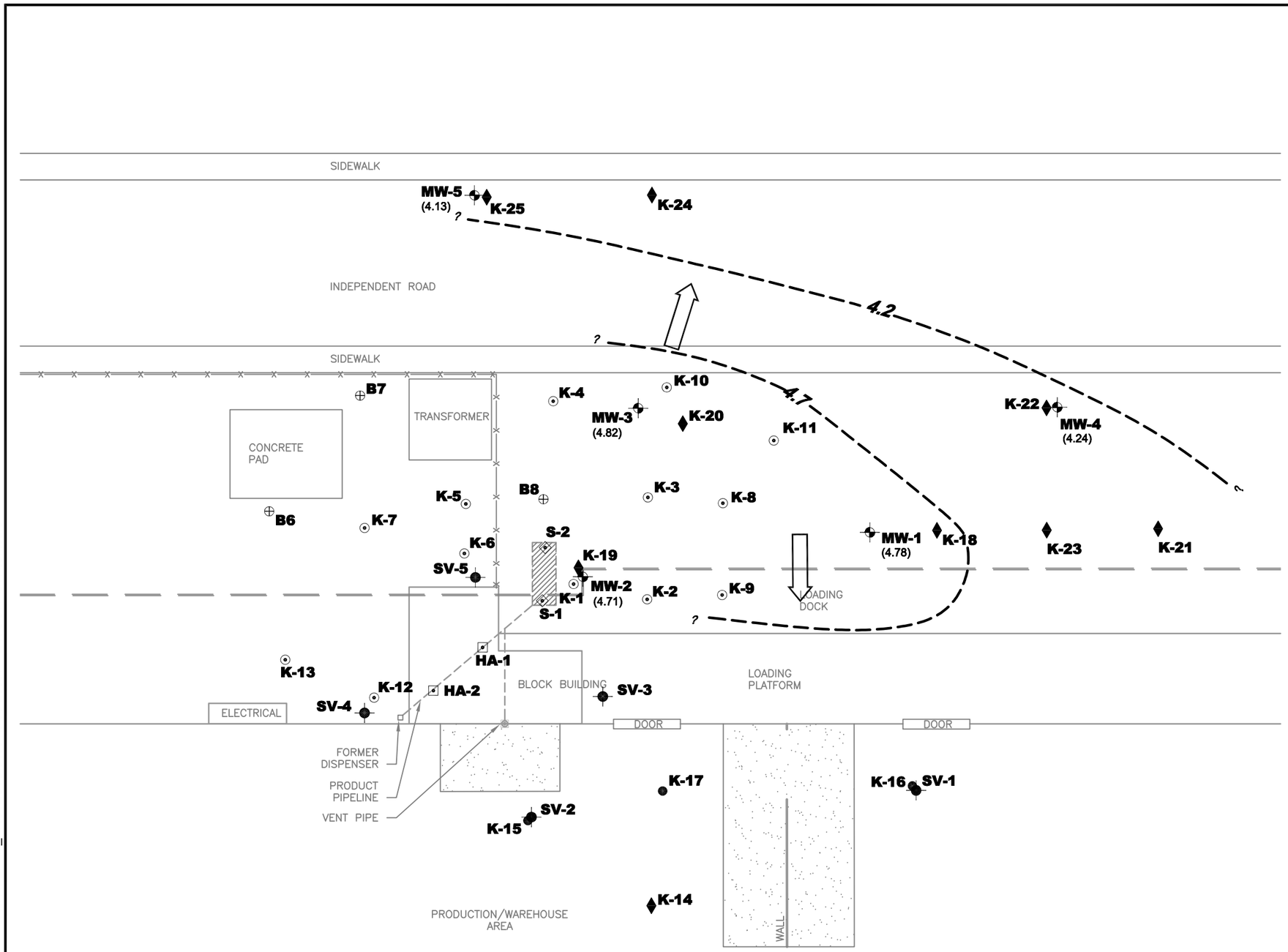
PROJECT NO.	54504
DRAWN:	AUG 2009
DRAWN BY:	JDS
CHECKED BY:	AD
FILE NAME:	SP OVERALL.dwg

SITE PLAN: OVERALL

700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

PLATE **2**

PLOTTED: 10 Aug 2009, 1:35pm, jsala
LAYOUT: PLATE 2
CAD FILE: D:_PROJECTS\54504\8\08-2009\
XRef: Eng-A_8x11_P_StyleA
ATTACHED XREFS:
ATTACHED IMAGES:
PLEASANTON, CA



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
- (4.24) GROUNDWATER ELEVATION (NAVD, 1988)
- 4.2 GROUNDWATER ELEVATION CONTOURS (NAVD, 1988)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW with gradient

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

N

25 0 25
APPROXIMATE SCALE (feet)

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	54504
DRAWN:	AUG 2009
DRAWN BY:	JDS
CHECKED BY:	AD
FILE NAME:	GW-CONT_6-2009.dwg

GROUNDWATER SURFACE ELEVATION CONTOURS AND ESTIMATED GROUNDWATER FLOW: JUNE 30, 2009

700 INDEPENDENCE ROAD
OAKLAND, CALIFORNIA

PLATE 3

APPENDIX A

CHAIN-OF-CUSTODY RECORDS AND

CERTIFIED ANALYTICAL LABORATORY REPORTS

Torrent
LABORATORY, INC.

July 09, 2009

Sophia Drugan
KLEINFELDER INC.
4670 Willow Rd, Ste 100
Pleasanton, CA 94588

TEL: (925) 484-1700
FAX 925-484-5838

RE: 54504/700 Independent Rd

Order No.: 0906269

Dear Sophia Drugan:

Torrent Laboratory, Inc. received 6 samples on 6/30/2009 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 7/9/09 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: Sophia Drugan
KLEINFELDER INC.

Date Received: 6/30/2009
Date Reported: 7/9/2009

Client Sample ID: MW-4
Sample Location: 700 Independent Rd
Sample Matrix: GROUNDWATER
Date/Time Sampled 6/29/2009 11:10:00 AM

Lab Sample ID: 0906269-001
Date Prepared: 7/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	7/7/2009	0.1	1	0.10	ND	mg/L	R20194
Surr: Pentacosane	SW8015B	7/7/2009	0	1	64.2-123	85.0	%REC	R20194
Benzene	SW8260B	7/8/2009	0.5	1	0.50	ND	µg/L	R20201
Toluene	SW8260B	7/8/2009	0.5	1	0.50	ND	µg/L	R20201
Ethylbenzene	SW8260B	7/8/2009	0.5	1	0.50	ND	µg/L	R20201
Xylenes, Total	SW8260B	7/8/2009	1.5	1	1.5	ND	µg/L	R20201
Surr: Dibromofluoromethane	SW8260B	7/8/2009	0	1	61.2-131	85.8	%REC	R20201
Surr: 4-Bromofluorobenzene	SW8260B	7/8/2009	0	1	64.1-120	88.1	%REC	R20201
Surr: Toluene-d8	SW8260B	7/8/2009	0	1	75.1-127	82.8	%REC	R20201
TPH (Gasoline)	SW8260B(TPH)	7/8/2009	50	1	50	ND	µg/L	G20201
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	7/8/2009	0	1	53-118	103	%REC	G20201

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Sophia Drugan
KLEINFELDER INC.

Date Received: 6/30/2009
Date Reported: 7/9/2009

Client Sample ID: MW-5
Sample Location: 700 Independent Rd
Sample Matrix: GROUNDWATER
Date/Time Sampled 6/30/2009 10:34:00 AM

Lab Sample ID: 0906269-002
Date Prepared: 7/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	7/7/2009	0.1	1	0.10	ND	mg/L	R20194
Surr: Pentacosane	SW8015B	7/7/2009	0	1	64.2-123	93.0	%REC	R20194
Benzene	SW8260B	7/8/2009	0.5	1	0.50	ND	µg/L	R20201
Toluene	SW8260B	7/8/2009	0.5	1	0.50	ND	µg/L	R20201
Ethylbenzene	SW8260B	7/8/2009	0.5	1	0.50	ND	µg/L	R20201
Xylenes, Total	SW8260B	7/8/2009	1.5	1	1.5	ND	µg/L	R20201
Surr: Dibromofluoromethane	SW8260B	7/8/2009	0	1	61.2-131	83.2	%REC	R20201
Surr: 4-Bromofluorobenzene	SW8260B	7/8/2009	0	1	64.1-120	85.7	%REC	R20201
Surr: Toluene-d8	SW8260B	7/8/2009	0	1	75.1-127	81.3	%REC	R20201
TPH (Gasoline)	SW8260B(TPH)	7/8/2009	50	1	50	ND	µg/L	G20201
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	7/8/2009	0	1	53-118	96.6	%REC	G20201

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Sophia Drugan
KLEINFELDER INC.

Date Received: 6/30/2009
Date Reported: 7/9/2009

Client Sample ID: MW-3
Sample Location: 700 Independent Rd
Sample Matrix: GROUNDWATER
Date/Time Sampled 6/30/2009 11:55:00 AM

Lab Sample ID: 0906269-003
Date Prepared: 7/7/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	7/7/2009	0.1	1	0.10	ND	mg/L	R20194
Surr: Pentacosane	SW8015B	7/7/2009	0	1	64.2-123	104	%REC	R20194
Benzene	SW8260B	7/7/2009	0.5	1	0.50	ND	µg/L	R20201
Toluene	SW8260B	7/7/2009	0.5	1	0.50	ND	µg/L	R20201
Ethylbenzene	SW8260B	7/7/2009	0.5	1	0.50	ND	µg/L	R20201
Xylenes, Total	SW8260B	7/7/2009	1.5	1	1.5	ND	µg/L	R20201
Surr: Dibromofluoromethane	SW8260B	7/7/2009	0	1	61.2-131	79.0	%REC	R20201
Surr: 4-Bromofluorobenzene	SW8260B	7/7/2009	0	1	64.1-120	91.3	%REC	R20201
Surr: Toluene-d8	SW8260B	7/7/2009	0	1	75.1-127	82.9	%REC	R20201
TPH (Gasoline)	SW8260B(TPH)	7/7/2009	50	1	50	ND	µg/L	G20201
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	7/7/2009	0	1	53-118	101	%REC	G20201

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Sophia Drugan
KLEINFELDER INC.

Date Received: 6/30/2009
Date Reported: 7/9/2009

Client Sample ID: MW-1
Sample Location: 700 Independent Rd
Sample Matrix: GROUNDWATER
Date/Time Sampled 6/30/2009 2:24:00 PM

Lab Sample ID: 0906269-004
Date Prepared: 7/7/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	7/7/2009	0.1	1	0.10	ND	mg/L	R20194
Surr: Pentacosane	SW8015B	7/7/2009	0	1	64.2-123	94.0	%REC	R20194
Benzene	SW8260B	7/7/2009	0.5	8.8	4.4	99	µg/L	R20201
Toluene	SW8260B	7/7/2009	0.5	8.8	4.4	15	µg/L	R20201
Ethylbenzene	SW8260B	7/7/2009	0.5	8.8	4.4	33	µg/L	R20201
Xylenes, Total	SW8260B	7/7/2009	1.5	8.8	13	34	µg/L	R20201
Surr: Dibromofluoromethane	SW8260B	7/7/2009	0	8.8	61.2-131	79.2	%REC	R20201
Surr: 4-Bromofluorobenzene	SW8260B	7/7/2009	0	8.8	64.1-120	80.4	%REC	R20201
Surr: Toluene-d8	SW8260B	7/7/2009	0	8.8	75.1-127	82.5	%REC	R20201
TPH (Gasoline)	SW8260B(TPH)	7/7/2009	50	8.8	440	870	µg/L	G20201
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	7/7/2009	0	8.8	53-118	99.1	%REC	G20201

Note: Although TPH as Gasoline is present, result is elevated due to presence of non-target compounds within range of C5-C12 quantified as Gasoline.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Sophia Drugan
KLEINFELDER INC.

Date Received: 6/30/2009
Date Reported: 7/9/2009

Client Sample ID: MW-2
Sample Location: 700 Independent Rd
Sample Matrix: GROUNDWATER
Date/Time Sampled 6/30/2009 3:30:00 PM

Lab Sample ID: 0906269-005
Date Prepared: 7/7/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	7/7/2009	0.1	1	0.10	0.657x	mg/L	R20194
Surr: Pentacosane	SW8015B	7/7/2009	0	1	64.2-123	96.0	%REC	R20194
Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.								
Benzene	SW8260B	7/7/2009	0.5	88	44	7300	µg/L	R20201
Toluene	SW8260B	7/7/2009	0.5	88	44	ND	µg/L	R20201
Ethylbenzene	SW8260B	7/7/2009	0.5	88	44	400	µg/L	R20201
Xylenes, Total	SW8260B	7/7/2009	1.5	88	130	330	µg/L	R20201
Surr: Dibromofluoromethane	SW8260B	7/7/2009	0	88	61.2-131	84.9	%REC	R20201
Surr: 4-Bromofluorobenzene	SW8260B	7/7/2009	0	88	64.1-120	88.0	%REC	R20201
Surr: Toluene-d8	SW8260B	7/7/2009	0	88	75.1-127	82.6	%REC	R20201
TPH (Gasoline)	SW8260B(TPH)	7/7/2009	50	88	4400	20000	µg/L	G20201
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	7/7/2009	0	88	53-118	100	%REC	G20201

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Sophia Drugan
KLEINFELDER INC.

Date Received: 6/30/2009
Date Reported: 7/9/2009

Client Sample ID: MW-2D
Sample Location: 700 Independent Rd
Sample Matrix: GROUNDWATER
Date/Time Sampled 6/30/2009 3:30:00 PM

Lab Sample ID: 0906269-006
Date Prepared: 7/7/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	7/7/2009	0.1	1	0.10	0.624x	mg/L	R20194
Surr: Pentacosane	SW8015B	7/7/2009	0	1	64.2-123	89.0	%REC	R20194
Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.								
Benzene	SW8260B	7/7/2009	0.5	88	44	7600	µg/L	R20201
Toluene	SW8260B	7/7/2009	0.5	88	44	ND	µg/L	R20201
Ethylbenzene	SW8260B	7/7/2009	0.5	88	44	370	µg/L	R20201
Xylenes, Total	SW8260B	7/7/2009	1.5	88	130	300	µg/L	R20201
Surr: Dibromofluoromethane	SW8260B	7/7/2009	0	88	61.2-131	85.6	%REC	R20201
Surr: 4-Bromofluorobenzene	SW8260B	7/7/2009	0	88	64.1-120	84.0	%REC	R20201
Surr: Toluene-d8	SW8260B	7/7/2009	0	88	75.1-127	83.5	%REC	R20201
TPH (Gasoline)	SW8260B(TPH)	7/7/2009	50	88	4400	20000	µg/L	G20201
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	7/7/2009	0	88	53-118	100	%REC	G20201

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

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 #

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

CLIENT: KLEINFELDER INC.
Work Order: 0906269
Project: 54504/700 Independent Rd

ANALYTICAL QC SUMMARY REPORT

BatchID: G20201

Sample ID **MB-G20201**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **7/7/2009**	RunNo: **20201**
Client ID: **ZZZZZ**	Batch ID: **G20201**	TestNo: **SW8260B(TP**		Analysis Date: **7/7/2009**	SeqNo: **292460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	10.00	0	11.36	0	88.0	53	118				

Sample ID **LCS-G20201**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **7/7/2009**	RunNo: **20201**
Client ID: **ZZZZZ**	Batch ID: **G20201**	TestNo: **SW8260B(TP**		Analysis Date: **7/7/2009**	SeqNo: **292461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	215.0	50	227	0	94.7	52.4	127				
Surr: 4-Bromofllurobenzene	10.90	0	11.36	0	96.0	53	118				

Sample ID **LCSD-G20201**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **7/8/2009**	RunNo: **20201**
Client ID: **ZZZZZ**	Batch ID: **G20201**	TestNo: **SW8260B(TP**		Analysis Date: **7/8/2009**	SeqNo: **292462**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	208.0	50	227	0	91.6	52.4	127	215	3.31	20	
Surr: 4-Bromofllurobenzene	11.20	0	11.36	0	98.6	53	118	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 INC.
Work Order: 0906269
Project: 54504/700 Independent Rd

ANALYTICAL QC SUMMARY REPORT

BatchID: R20194

Sample ID **WDSG090702A-MB**	SampType: **MBLK**	TestCode: **TPHDOSG_**	Units: **mg/L**	Prep Date: **7/2/2009**	RunNo: **20194**
Client ID: **ZZZZZ**	Batch ID: **R20194**	TestNo: **SW8015B**		Analysis Date: **7/7/2009**	SeqNo: **292254**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.10									
Surr: Pentacosane	0.08400	0	0.1	0	84.0	64.2	123				

Sample ID **WDSG090702A-LCS**	SampType: **LCS**	TestCode: **TPHDOSG_**	Units: **mg/L**	Prep Date: **7/2/2009**	RunNo: **20194**
Client ID: **ZZZZZ**	Batch ID: **R20194**	TestNo: **SW8015B**		Analysis Date: **7/7/2009**	SeqNo: **292255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.7010	0.10	1	0	70.1	34.5	95.6				
Surr: Pentacosane	0.08600	0	0.1	0	86.0	64.2	123				

Sample ID **WDSG090702A-LCS**	SampType: **LCSD**	TestCode: **TPHDOSG_**	Units: **mg/L**	Prep Date: **7/2/2009**	RunNo: **20194**
Client ID: **ZZZZZ**	Batch ID: **R20194**	TestNo: **SW8015B**		Analysis Date: **7/7/2009**	SeqNo: **292256**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.7420	0.10	1	0	74.2	34.5	95.6	0.701	5.68	30	
Surr: Pentacosane	0.08200	0	0.1	0	82.0	64.2	123	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 INC.
Work Order: 0906269
Project: 54504/700 Independent Rd

ANALYTICAL QC SUMMARY REPORT

BatchID: R20201

Sample ID **MB_R20201**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **7/7/2009**	RunNo: **20201**
Client ID: **ZZZZZ**	Batch ID: **R20201**	TestNo: **SW8260B**		Analysis Date: **7/7/2009**	SeqNo: **292373**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Ethylbenzene	ND	0.50									
Toluene	ND	0.50									
Xylenes, Total	ND	1.5									
Surr: Dibromofluoromethane	9.190	0	11.36	0	80.9	61.2	131				
Surr: 4-Bromofluorobenzene	9.220	0	11.36	0	81.2	64.1	120				
Surr: Toluene-d8	9.580	0	11.36	0	84.3	75.1	127				

Sample ID **LCS_R20201**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **7/7/2009**	RunNo: **20201**
Client ID: **ZZZZZ**	Batch ID: **R20201**	TestNo: **SW8260B**		Analysis Date: **7/7/2009**	SeqNo: **292375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.97	0.50	17.04	0	117	66.9	140				
Toluene	16.92	0.50	17.04	0	99.3	76.6	123				
Surr: Dibromofluoromethane	10.56	0	11.36	0	93.0	61.2	131				
Surr: 4-Bromofluorobenzene	9.270	0	11.36	0	81.6	64.1	120				
Surr: Toluene-d8	9.810	0	11.36	0	86.4	75.1	127				

Sample ID **LCSD_R20201**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **7/7/2009**	RunNo: **20201**
Client ID: **ZZZZZ**	Batch ID: **R20201**	TestNo: **SW8260B**		Analysis Date: **7/7/2009**	SeqNo: **292376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.51	0.50	17.04	0	103	66.9	140	19.97	13.1	20	
Toluene	16.11	0.50	17.04	0	94.5	76.6	123	16.92	4.90	20	
Surr: Dibromofluoromethane	10.05	0	11.36	0	88.5	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	9.310	0	11.36	0	82.0	64.1	120	0	0	0	
Surr: Toluene-d8	9.900	0	11.36	0	87.1	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

Torrent Laboratory, Inc.

WORK ORDER Summary

01-Jul-09

Work Order 0906269

Client ID: KLEINFELDER (PLEASANTON)

Project: 54504/700 Independent Rd **QC Level:**

Comments: 5 Day TAT!! TPHG/ BTEX. TPHD with SiO2! Report to Sophia and Nathan EDF requested - check with client!

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0906269-001A	MW-4	6/29/2009 11:10:00 AM	6/30/2009	7/7/2009	Groundwater	8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				7/7/2009		EDF	☐	☐	☐	☐	SR
				7/7/2009		TPH_GAS_W_GCMS	☐	☐	☐	☐	SR
				7/7/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906269-002A	MW-5	6/30/2009 10:34:00 AM		7/7/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				7/7/2009		TPH_GAS_W_GCMS	☐	☐	☐	☐	SR
				7/7/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906269-003A	MW-3	6/30/2009 11:55:00 AM		7/7/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				7/7/2009		TPH_GAS_W_GCMS	☐	☐	☐	☐	SR
				7/7/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906269-004A	MW-1	6/30/2009 2:24:00 PM		7/7/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				7/7/2009		TPH_GAS_W_GCMS	☐	☐	☐	☐	SR
				7/7/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906269-005A	MW-2	6/30/2009 3:30:00 PM		7/7/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				7/7/2009		TPH_GAS_W_GCMS	☐	☐	☐	☐	SR
				7/7/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906269-006A	MW-2D			7/7/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				7/7/2009		TPH_GAS_W_GCMS	☐	☐	☐	☐	SR
				7/7/2009		TPHDSG_W	☐	☐	☐	☐	SR

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS: TPHg BTEX 8260 TPHd silica gel cleanup 8015	RECEIVING LAB:
54504	700 Independent Rd				0906269
L.P. NO. (PO. NO.)	SAMPLERS: (Signature/Number) Nathan Berner				INSTRUCTIONS/REMARKS: Standard Turnaround Time

	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	TPHg	BTEX 8260	TPHd, silica gel cleanup 8015										INSTRUCTIONS/REMARKS
1	6/29/09	1110	MW-4	W	4	3 VOAs 1 Amber	X	X											-001A
2	6/30/09	1034	MW-5	W	4		X	X											-002A
3	6/30/09	1155	MW-3	W	4		X	X											-003A
4	6/30/09	1424	MW-1	W	4		X	X											-004A
5	6/30/09	1530	MW-2	W	4		X	X											-005A
6	6/30/09	1530	MW-2D	W	4		X	X											-006A
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			

Temp 4°C
6-30-09

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Instructions/Remarks:	Send Results To:
Nathan Berner	6/30/09 1723	NAVIN G.		Sophia Drugan
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)		Attn:

ENV-02 REV 05/08)

White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

D/O.

CHAIN OF CUSTODY

COC No 15339