FOURTH QUARTER 2007
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

January 29, 2008

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January 24, 2008

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

Subject: Fuel Leak Case No. RO0002900
Fourth Quarter 2007 Groundwater Monitoring Report
700 Independent Road
Oakland, California

Dear Mr. Wickham,

Attached is the Fourth Quarter Groundwater Monitoring Report for the property at 700 Independent Road, Oakland, California. The quarterly monitoring report was prepared by Kleinfelder Inc. on behalf of Equity Office Properties – Industrial Portfolio, LLC. This quarterly monitoring report is being submitted to Alameda Health Care Services Agency, Environmental Health Services pursuant to your request in a letter to Mr. Peter A. McGing dated June 13, 2007 and Mr. James Soutter in a letter dated October 9, 2007.

During the fourth quarter 2007 monitoring was performed as it was during the previous quarter with the exception that monitoring well samples were additionally analyzed for total dissolved solids (TDS). TDS was analyzed to assess the high electrical conductivity measurements obtained during the previous sampling event. The TDS results indicate that the shallow ground water at the site is brackish to salty in classification and therefore not suitable for municipal or drinking water supply.

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

Sincerely,

EOP – Industrial Portfolio, LLC.

James Soutter
Director - Engineering

A Report Prepared for:

Equity Office Properties
2 North Riverside Plaza – Suite 2100
Chicago, IL 60606

FOURTH QUARTER 2007
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

Kleinfelder Job No. 54504/5B
Fuel Leak Case No. RO0002900

Prepared by:

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January 29, 2008

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1.0 INTRODUCTION

This report describes Fourth Quarter 2007 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 discussed in detail in this report:

- Collected groundwater samples from the three existing monitoring wells for total petroleum hydrocarbon and volatile organic chemical analysis;
- Measured groundwater levels in the three monitoring wells; and
- Containerized the purge water generated during groundwater sampling for disposal.

In addition to chemical analyses normally performed during quarterly ground water monitoring at the site, total dissolved solids (TDS) were analyzed for during the Fourth Quarter 2007 as a one time event.

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/manufacturing building, a parking lot and a railroad spur occupy the site (Plate 2). The site is currently leased by the Eagle Bag Company, a plastic bag manufacturer. Near surface soils consist of clays and silty-clays with sandy inter-beds. First groundwater has generally been encountered at a depth of approximately 8 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 UST, and two 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 and the ACEHS, Kleinfelder removed and disposed of one 1,100-gallon UST. Confirmation 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, San Francisco Bay Region (RWQCB)

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 present, the Fire Department referred the case to the ACEHS, which became the lead government agency overseeing remedial actions at the site. The ACEHS assigned the Site Fuel Case Number RO0002900.

2.2.2 Subsequent Subsurface Investigations

In a letter dated February 24, 2006 the ACEHS requested that EOP prepare a work plan and carry out an investigation to delineate the extent of petroleum hydrocarbon impacted soil and ground water 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 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 prepared by Kleinfelder titled *Site Field Investigation, 700 Independent Road Oakland, California.*

In a letter dated October 6, 2006, the ACEHS requested that EOP prepare a work-plan to further delineate the horizontal and vertical extent of petroleum hydrocarbons at the site, including a soil vapor survey to assess the 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 utility pathways; and uploading the site's information into the GeoTracker system.

Between March 4 and 7, 2007, Kleinfelder collected 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 ESLs in soil-vapor samples. In 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 below ground surface (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 found to be elevated. MW-1 and K-18 were found to be hydraulically side-gradient to the former UST. In soil, TPH-g and TPH-d were reported at 12,000 mg/Kg and 588 mg/Kg at 19.5 feet bgs in MW-1. BTEX in soil at 19.5 feet bgs was reported at 63 mg/Kg, 250 mg/Kg, 310 mg/Kg, and 1,200 mg/Kg, respectively. In groundwater TPH-g and benzene were reported at 3.3 mg/L and 0.162 mg/L in monitoring well MW-1. To the north, west, and south of the former UST the extent of petroleum hydrocarbons in soil and ground water was generally defined. Field activities and analytical results of the investigation were summarized in the May 11, 2007 report prepared by Kleinfelder titled *Further Site Investigation Report, 700 Independent Road, Oakland, California.*

A work plan titled *Site Investigation Work Plan, 700 Independent Road, Oakland, California*, dated September 26, 2007, was prepared by Kleinfelder and submitted to ACEHS on October 1, 2007. That work plan describes a proposed third round of investigation to be performed at the site. The third round of investigation is currently in progress.

3.0 FIELD ACTIVITIES

This section summarizes the groundwater monitoring activities performed at the site in the fourth quarter of 2007.

3.1 GROUNDWATER MONITORING ACTIVITIES

The fourth quarter 2007 groundwater-monitoring event took place on December 17, 2007. 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 sampling purposes. A minimum of three well volumes was purged before collecting samples. Water level measurements were also made to assess ground water flow patterns as discussed in Section 4.1.

3.1.2 Groundwater Sample Collection

Upon completing the water-level measurements, Kleinfelder purged the monitoring wells with disposable bailers. The wells were purged of a minimum of three casing volumes of groundwater prior to collecting samples for chemical analysis. During purging, pH, temperature, and electrical conductivity were measured. Samples were collected when these field parameters became stable (three measurements within 10% of each other), or after three volume casings had been removed.

After purging, groundwater from each monitoring well was collected using a new disposable PVC bailer. The groundwater sample was decanted into the appropriate laboratory supplied containers. The containers were labeled and subsequently placed into a pre-chilled cooler with ice for delivery to the laboratory for chemical analysis. Samples were delivered under Chain of Custody protocols.

3.1.3 Analytical Laboratory Parameters

Torrent Laboratory, Inc., a state-certified analytical laboratory, performed the chemical analysis for the fourth quarter 2007 groundwater monitoring event. Samples were analyzed for the following parameters:

- TPH-d using Environmental Protection Agency (EPA) Method 8015M, and
- VOCs, including BTEX, MTBE and TPH as gasoline, using EPA Method 8260B.

In addition, during the fourth quarter 2007 samples were collected for total dissolved solids (TDS) analysis using EPA Method 160.1. This additional analysis was performed to assess the high EC results obtained during previous monitoring events.

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 each use.

3.3 INVESTIGATION-DERIVED WASTE (IDW) HANDLING PROCEDURES

Investigation-derived wastes (IDW), consisting of well purge water and decontamination rinsate fluids were containerized onsite in one United States Department of Transportation (DOT)-approved 55-gallon drum. Prior to use the drum was inspected for physical integrity and condition, and was left on site with an appropriate label identifying the waste source location, physical contents, date, and generator's name. This waste will be handled along with waste generated during the planned field investigation.

4.0 SUMMARY OF RESULTS

As described in Section 3, the fourth quarter 2007 groundwater monitoring event took place on December 17, 2007. On that date water level measurements were made in the three site monitoring wells and the wells were sampled for chemical analysis. The groundwater samples were chemically analyzed at Torrent Laboratory Inc., a state-certified laboratory.

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

On December 17, 2007 the depth to groundwater below the top of casings ranged from 5.02 to 6.16 feet. Groundwater surface elevations ranged from 4.35 to 4.63 feet above mean sea level (Table 2). Since September 10, 2007, the previous groundwater monitoring event, the groundwater surface elevation for MW-1 dropped about 0.14 feet; and groundwater surface elevations for MW-2 and MW-3 rose approximately 0.4 feet and 0.1 feet, respectively.

The water-level measurements were used to estimate groundwater surface elevation contours, which are shown on Plate 3. Based on the December 17, 2007 depth to groundwater data, groundwater beneath the site was estimated to flow to the southeast, with an approximate 0.005 ft/ft hydraulic gradient. The fourth quarter 2007 flow direction differs from that found on September 10, 2007. On September 10, 2007 ground water was estimated to flow to the south – southwest.

4.2 GROUNDWATER SAMPLE RESULTS

Groundwater samples collected from wells MW-1, MW-2, and MW-3 on December 17, 2007, were analyzed for TPH-g, TPH-d, VOCs, and TDS. Final purge characteristic data are summarized on Table 3. Groundwater analytical results are summarized in Table 4. Certified analytical laboratory reports are included in Appendix B.

4.2.1 Purge Characteristic Data

Prior to sample collection, the wells were purged to allow the inflow of water from the water bearing zones. Temperature, pH and electrical conductivity (EC) were measured during purging. Table 3 provides purge characteristic data prior to collecting the samples in December 2007. As can be seen on the table, the EC was high, exceeding the limit of the field instrument. As EC is generally proportional to the amount of total dissolved solids (TDS) in the water, TDS analysis was performed on samples from each well to confirm the field instrumentation results and assess this condition. TDS results are discussed below in Section 4.2.2.

4.2.2 Total Dissolved Solids

Groundwater samples collected from wells MW-1, MW-2, and MW-3 were analyzed for TDS using EPA Method 160.1 and results are summarized on Table 4. TDS concentrations in samples from MW-1, MW-2 and MW-3 were reported at 14,000 mg/L, 17,000 mg/L, and 8,600 mg/L respectively. These high levels of concentration explain why field instrumentation indicated that the EC of the ground water samples exceeds the field instruments reporting range (Table 3).

Regional Water Board Resolution No. 89-39, “Sources of Drinking Water,” states that if the TDS of ground water exceeds 3,000 mg/L (5000 uS/cm EC) the water is not reasonably expected to be suitable to supply a public water system. Therefore, based on the TDS data from the ground-water samples, the ground water beneath the 700 Independent Road property should not reasonably be considered to have an actual or potential beneficial use for drinking water.

4.2.3 Total Petroleum Hydrocarbons and Volatile Organics

4.2.3.1 Environmental Screening Levels (ESLs)

The RWQCB developed ESLs to be used as initial indicators of potential impacts to human health or the environment. Kleinfelder compared the reported concentrations of each detected compound to its respective lowest ESL, as available and presented in the RWQCB’s guidance document *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (Interim Final – November 2007). Kleinfelder referenced the ESLs for groundwater where groundwater is not a current or potential

source of drinking water, consistent with the TDS findings noted in Section 4.2.2 and RWQCB policy. In developing the groundwater ESLs the RWQCB assumed that all groundwater could at some point in time potentially discharge to a body of surface water. The final (or lowest) groundwater ESLs where drinking water is not a concern consider aquatic habitat protection, indoor air impacts and a ceiling level for taste and odor or other nuisance concerns.

4.2.3.2 Total Petroleum Hydrocarbons

Groundwater samples from wells MW-1, MW-2, and MW-3 were analyzed for TPH-g and TPH-d using EPA Methods 8260B and 8015M, respectively. The groundwater sample collected from MW-2 (adjacent to the former UST) was found to contain TPH-g at 30,900 µg/L, which is greater than the ESL of 640 µg/L. TPH-d was detected in the MW-2 sample at 3,770 µg/L, which is greater than the ESL of 500 µg/L. At well MW-1, located approximately 70 feet east (and side gradient) of the former UST, TPH-g and TPH-d were reported at 1,510 µg/l (exceeding the ESL) and 186 µg/l (below the ESL), respectively. No TPH-g or TPH-d were detected at or above the reporting limits in the sample from MW-3, located approximately 35 feet north of the former UST.

As indicated on Table 4, TPH-g and THP-d concentrations in wells MW-1 and MW-2 were similar (same order of magnitude) to those found in September 2007. Between September and December 2007, TPH concentrations declined in samples collected from MW-1; the TPH-g concentration decreased in samples collected from MW-2; and the TPH-d concentrations increased in samples collected from MW-2.

4.2.3.3 Volatile Organic Compounds

Groundwater samples from wells MW-1, MW-2, and MW-3 were analyzed for VOCs using EPA Method 8260B. The groundwater sample collected from MW-2 was found to contain VOCs at concentrations exceeding their respective ESLs including benzene (13,300 µg/l), 1,2 dichloroethane (568 µg/l), ethylbenzene (1,350 µg/l), and naphthalene (227 µg/l). Six other VOCs were reported in the sample from MW-2 but at concentrations below their respective ESLs or no ESLs have been established for the reported VOC (Table 4). Eleven VOCs were reported in the sample from MW-1 (Table 4). None of the VOCs in groundwater from MW-1 were reported at concentrations above their respective ESL or no ESLs have been established for the compounds. No

VOCs were reported in the sample from MW-3. VOCs reported at concentrations below ESLs in samples from well MW-1 and/or MW-2 include toluene and xylenes. No MTBE was reported in the samples. Other VOCs that do not have ESLs but were reported in samples from MW-1 and/or MW-2 include sec butylbenzene, isopropylbenzene, isopropyltoluene, propylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene.

With the exception of ethylbenzene in MW-2 and ethylbenzene and benzene in MW-1, VOC concentrations in groundwater collected from MW-2 and MW-1 decreased between September and December 2007.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations presented below are based on the groundwater monitoring event performed in December 2007.

5.1 CONCLUSIONS

5.1.1 Hydraulic Conditions

The direction of groundwater flow in December 2007 was to the south-southeast. This direction differed from that observed in September 2007 (south-southwest). The hydraulic gradient was estimated from the December data at about 0.005 feet / foot. Groundwater surface elevations rose in wells MW-2 and MW-3 between September and December 2007. The groundwater surface elevation declined in well MW-1 between September and December 2007.

5.1.2 Water Quality

Analytical results for the groundwater samples collected in December 2007 are similar to those during the March and September 2007 sampling events. Concentrations of TPH-g, TPH-d, benzene, 1,2 dichloroethane, ethylbenzene, and naphthalene in the sample from well MW-2 exceeded ESLs. Also the highest concentrations were found in the sample from MW-2, which is located adjacent to the former UST. The concentration of TPHg in the sample from MW-1 exceeded the ESL. No chemicals on concern were detected in ground water from well MW-3.

Results of TDS analysis (8,600 mg/L to 17,000 mg/L) indicate that the groundwater at the site is brackish to salty in classification. As the TDS of the water exceeds 3,000 mg/L the water does not have potential beneficial use for drinking water (per RWQCB Resolution 89-39, “Sources of Drinking Water”).

5.2 CONCLUSIONS AND RECOMMENDATIONS

The following recommendations are made at this time:

- Complete the ongoing subsurface investigation

- Continuing monitoring of ground water conditions in the three wells on a quarterly basis to assess water quality trends and any seasonal effects.

6.0 LIMITATIONS

Kleinfelder prepared this report in accordance with generally accepted standards of care that exist in Alameda County at this time. 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 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.

PLATES

ATTACHED IMAGES: Images: VIC-MAP.jpg
ATTACHED XREFS: XRef: TB_A-port
Ple-L:\2007\07PROJ CAD FILE: D:_PROJECTS\54504\04-2007\ LAYOUT: Layout1

KLEINFELDER

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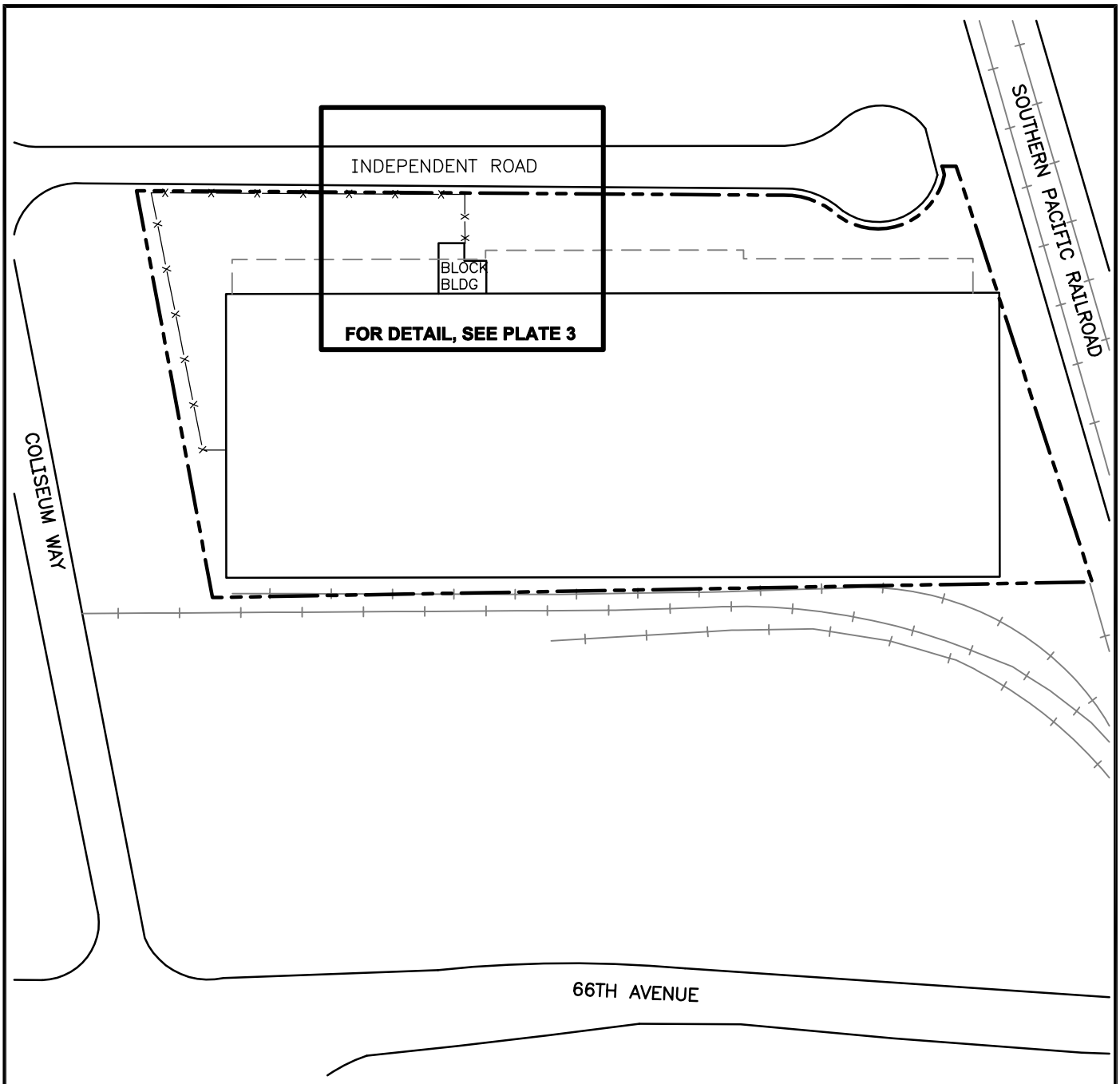
SITE VICINITY MAP

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



LEGEND

PROPERTY BOUNDARY

FENCE LINE

LIMITS OF BUILDING OVERHANG

NOTE: Locations are approximate.

N

120 60 0 120

APPROXIMATE SCALE (feet)

ATTACHED IMAGES: Images: AERIAL.jpg
ATTACHED XREFS: XRef: TB_A-port
File-L:\2007\07PROJ CAD FILE: D:_PROJECTS\54504\04-2007\ LAYOUT: PLATE 2

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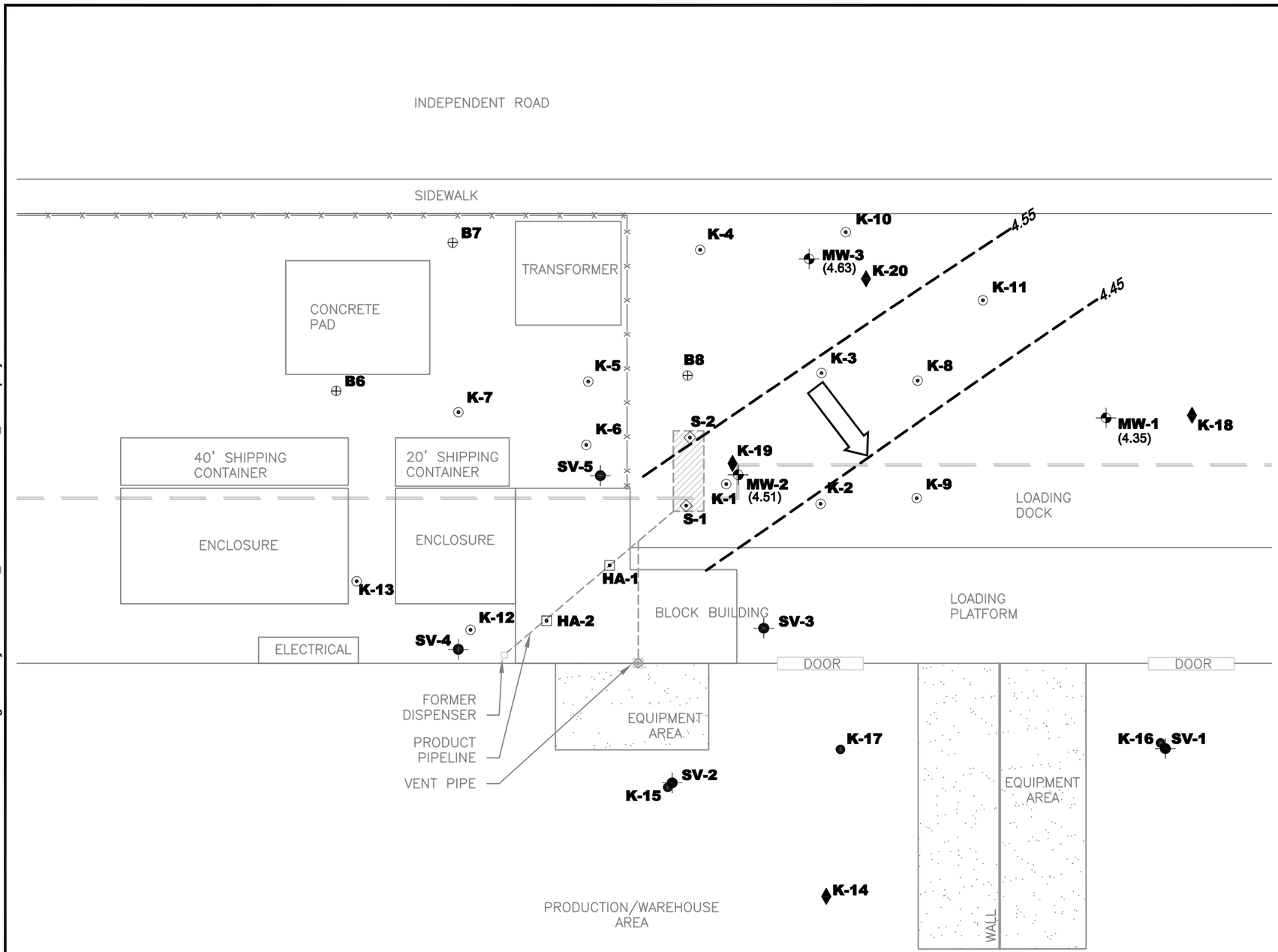
SITE PLAN: OVERALL

700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

DRAWN BY:	J. Sala
REVISED BY:	
CHECKED BY:	C. Almestad
PLATE	2

DRAWN: MAY 2007 | APPROVED BY: | PROJECT NO. 54504 | FILE NAME SP OVERALL.dwg



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)
- SOIL BORING (Kleinfelder, 2006)
- SOIL BORING (Golder Associates, August 2004)
- HAND AUGER
- UST CONFIRMATION SOIL SAMPLE
- (4.97) GROUNDWATER SURFACE ELEVATION (feet, msl)
- 5.00 GROUNDWATER SURFACE ELEVATION CONTOURS (feet, msl)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW with gradient

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

20 10 0 20
APPROXIMATE SCALE (feet)

PLATE 3

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GROUND WATER SURFACE ELEVATIONS AND ESTIMATED GROUND WATER FLOW DECEMBER 17, 2007

700 INDEPENDENT ROAD
OAKLAND, CALFORNIA

PROJECT NO. 54504/5B | FILE NAME: GW-CONT_12-2007.dwg

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

TABLES

Table 1

Monitoring Well Construction Details
700 Independent Road
Oakland, California

Construction Details by Depth Intervals (Feet below Ground Surface)								Survey Data			
Well No.	Installation Date	Boring Depth	Solid Casing	Screen Interval	Sand Pack	Bentonite Seal	Grout Seal	Top of Casing Elevation (Feet)	Top of Vault Elevation (Feet)	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	0.75-6	9.53	9.85	-122.2054245	37.7568140
MW-3	3/5/2007	25.0	0.25-13	13-23	11-13	9-11	0.75-9	10.79	11.10	-122.2054503	37.7569371

Notes:

Survey elevations North American Vertical Datum of 1988 (NAVD88)

Survey by PLS Surveys, Inc., April 4, 2007

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

Well Number	Measuring Point Elevation (feet, msl)	April 13, 2007		September 10, 2007		December 17, 2007	
		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
MW-2	9.53	4.61	4.92	5.42	4.11	5.02	4.51
MW-3	10.79	5.75	5.04	6.26	4.53	6.16	4.63

Notes:
Top of casing elevations surveyed 4/4/07 By PLS Surveys Inc.
msl = Mean sea level
NM = Not measured

Table 3
Summary of Final Purge Characteristic Data
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

Notes:
a = Exceeds equipment limits

Table 4
Volatile Organic Compounds, Total Petroleum Hydrocarbons, and Total Dissolved Solids in Groundwater
700 Independent Road, Oakland, California

Sample Location	MW-1			MW-2			MW-3			ESL*
Date Sampled	3/19/2007	9/10/2007	12/17/2007	3/19/2007	9/10/2007	12/17/2007	3/19/2007	9/10/2007	12/17/2007	
TPH-d	390a	315a	186a	**940a**	**1690a**	**3,770a**	<100	<100	<100	500
TPH-g	**3,300**	**1,700b**	**1,510b**	**38,000**	**52,100b**	**30,900b**	<50	<50	<50	640
Benzene	162	145	204	**11,600**	**15,800**	**13,300**	<0.5	<0.5	<0.5	540
Butylbenzene (sec-)	NT	0.9	2.41	NT	<22.0	<22.0	NT	<0.5	<0.5	
1,2 Dichloroethane (EDC)	<1.1	<0.5	<0.5	**226**	**611**	**568**	<0.5	<0.5	<0.5	200
Ethylbenzene	60.2	72.2	78.6	**588.0**	**1,120**	**1,350**	<0.5	<0.5	<0.5	300
Isopropylbenzene	NT	11.6	9.96	NT	69.1	73	NT	<1.0	<1.0	
Isopropyltoluene (4-)	NT	2.42	1.69	NT	<22.0	<22.0	NT	<0.5	<0.5	
Naphthalene	NT	7.69	4.35	NT	**231**	**227**	NT	<0.5	<0.5	210.0
Propylbenzene (n-)	NT	20.8	19	NT	143	118	NT	<0.5	<0.5	
Toluene	205	56.1	15.1	274	**552**	172	<0.5	<0.5	<0.5	400
Trimethylbenzene (1,2,4-)	NT	94.6	67	NT	1,270	1,230	NT	<0.5	<0.5	
Trimethylbenzene (1,3,5-)	NT	17.1	6.12	NT	650	352	NT	<0.5	<0.5	
Xylenes, total	351	197	56.7	2880	**5,420**	2,330	<1.5	<1.5	<1.5	5300
Methyl tert butyl ether (MTBE)	<1.1	<0.5	<0.5	<13.2	<22.0	<22.0	<0.5	<0.5	<0.5	1800
Total Dissolved Solids (TDS)	NT	NT	14,000,000	NT	NT	17,000,000	NT	NT	8,600,000	

Notes:

All results in micrograms per liter (ug/l)

a - Sample chromatogram does not resemble typical diesel pattern (fuel lighter than diesel). Lighter end hydrocarbons 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.

NT - Not tested

* ESL - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, Interim Final November 2007. Lowest level reported from:
Table F-1b. Groundwater Screening Levels, groundwater IS NOT a current or potential drinking water source.
Table F-4b Summary of California EPA Continuous and maximum aquatic habitat goals.

Acronyms:

TPH-d - Total Petroleum Hydrocarbons - diesel

TPH-g - Total Petroleum Hydrocarbons - gasoline

APPENDIX A

CHAIN OF CUSTODY

KLEINFELDER

PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS: TPH-d (EPA 8015)	VOCs (EPA 8260)	TPH-g (EPA 8260)	TDS	12/18/07	RECEIVING LAB:
54504	EOP 700 Ind. Rd.								Torrent Laboratories
L.P. NO. (P.O. NO.)	SAMPLERS: (Signature/Number)								INSTRUCTIONS/REMARKS
	Ozzie Guerrero/08555								0712100

	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	TPH-d	VOCs	TPH-g	TDS		INSTRUCTIONS/REMARKS
1	12/17/07	1730	MW-1	W	3	VOA		X	X		001A	* no preservative ~~001A~~
2		1730	MW-1		1	Amber	X					~~002A~~
3		1730	MW-1		1	8oz Poly				X		TDS = Total Dissolved Solids ~~003A~~
4		1538	MW-2		3	VOA		X	X		002A	* no preservative ~~004A~~
5		1538	MW-2		1	Amber	X					~~005A~~
6		1538	MW-2		1	8oz Poly				X		~~006A~~
7		1850	MW-3		3	VOA		X	X		003A	* no preservative
8		1850	MW-3		1	Amber	X					
9		1850	MW-3		1	8oz Poly				X		
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

12/18/07

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	12/18/07 1140	C. Moore
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
C. Moore	12/18/07 1550	Roj Kaur 12/18/07 1:50pm
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks: HCl preservative in VOAs was dumped out due to effervescence.

Send Results To: oguerrero@kleinfelder.com
KLEINFELDER
1970 Broadway
SUITE 710
Oakland, CA 94612
(510) 628-9000
Attn: charlie Almestad

-60 White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

CHAIN OF CUSTODY

№ 1141

NDD 12/19

APPENDIX B

CERTIFIED ANALYTICAL LABORATORY REPORTS

Torrent
LABORATORY, INC.

December 27, 2007

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

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

RE: 54504

Order No.: 0712100

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 3 samples on 12/18/2007 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.

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

12/27/07
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: 12/18/2007
Date Reported:

Client Sample ID: MW-1
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 5:30:00 PM

Lab Sample ID: 0712100-001
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	12/19/2007	10	1	10	14000	mg/L	R14873
TPH (Diesel)	SW8015B	12/20/2007	0.1	1	0.100	0.186x	mg/L	R14913
Surr: Pentacosane	SW8015B	12/20/2007	0	1	53.3-124	104	%REC	R14913

Note:x- Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Lighter end hydrocarbons within the diesel range quantitated as diesel.

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-1
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 5:30:00 PM

Lab Sample ID: 0712100-001
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,1,1-Trichloroethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,1,2,2-Tetrachloroethane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,1,2-Trichloroethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,1-Dichloroethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,1-Dichloroethene	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,1-Dichloropropene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2,3-Trichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2,3-Trichloropropane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,2,4-Trichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2,4-Trimethylbenzene	SW8260B	12/19/2007	0.5	1	0.50	67.0	µg/L	R14860
1,2-Dibromo-3-chloropropane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dibromoethane (EDB)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dichloroethane (EDC)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dichloropropane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,3,5-Trimethylbenzene	SW8260B	12/19/2007	0.5	1	0.50	6.12	µg/L	R14860
1,3-Dichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,4-Dichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,4-Dioxane	SW8260B	12/19/2007	5	1	5.00	ND	µg/L	R14860
2,2-Dichloropropane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
2-Chloroethyl vinyl ether	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
2-Chlorotoluene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
4-Chlorotoluene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
4-Isopropyltoluene	SW8260B	12/19/2007	0.5	1	0.50	1.69	µg/L	R14860
Acetone	SW8260B	12/19/2007	10	1	10.0	ND	µg/L	R14860
Benzene	SW8260B	12/19/2007	0.5	2.2	1.10	204	µg/L	R14860
Bromobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Bromochloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Bromodichloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Bromoform	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
Bromomethane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
Carbon tetrachloride	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Chlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Chloroform	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Chloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
cis-1,2-Dichloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
cis-1,3-Dichloropropene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Dibromochloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Dibromomethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Dichlorodifluoromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Ethyl tert-butyl ether (ETBE)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Ethylbenzene	SW8260B	12/19/2007	0.5	1	0.50	78.6	µg/L	R14860

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-1
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 5:30:00 PM

Lab Sample ID: 0712100-001
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Freon-113	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
Hexachlorobutadiene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Isopropyl ether (DIPE)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Isopropylbenzene	SW8260B	12/19/2007	1	1	1.00	9.96	µg/L	R14860
Methyl tert-butyl ether (MTBE)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Methylene chloride	SW8260B	12/19/2007	5	1	5.00	ND	µg/L	R14860
Naphthalene	SW8260B	12/19/2007	0.5	1	0.50	4.35	µg/L	R14860
n-Butylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
n-Propylbenzene	SW8260B	12/19/2007	0.5	1	0.50	19.0	µg/L	R14860
sec-Butylbenzene	SW8260B	12/19/2007	0.5	1	0.50	2.41	µg/L	R14860
Styrene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
t-Butyl alcohol (t-Butanol)	SW8260B	12/19/2007	5	1	5.00	ND	µg/L	R14860
tert-Amyl methyl ether (TAME)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
tert-Butylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Tetrachloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Toluene	SW8260B	12/19/2007	0.5	1	0.50	15.1	µg/L	R14860
trans-1,2-Dichloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
trans-1,3-Dichloropropene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Trichloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Trichlorofluoromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Vinyl chloride	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Xylenes, Total	SW8260B	12/19/2007	1.5	1	1.50	56.7	µg/L	R14860
Surr: Dibromofluoromethane	SW8260B	12/19/2007	0	1	61.2-131	92.5	%REC	R14860
Surr: Dibromofluoromethane	SW8260B	12/19/2007	0	2.2	61.2-131	98.8	%REC	R14860
Surr: 4-Bromofluorobenzene	SW8260B	12/19/2007	0	1	64.1-120	90.9	%REC	R14860
Surr: 4-Bromofluorobenzene	SW8260B	12/19/2007	0	2.2	64.1-120	78.6	%REC	R14860
Surr: Toluene-d8	SW8260B	12/19/2007	0	2.2	75.1-127	96.0	%REC	R14860
Surr: Toluene-d8	SW8260B	12/19/2007	0	1	75.1-127	90.1	%REC	R14860
TPH (Gasoline)	SW8260B(TPH)	12/19/2007	50	2.2	110	1510x	µg/L	G14860
Surr: 4-Bromofilurobenzene	SW8260B(TPH)	12/19/2007	0	2.2	58.4-133	86.2	%REC	G14860

Note: x-Although TPH as Gasoline is present, result is elevated due to presence of non-target compounds within the TPH as Gasoline quantitative range.

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-2
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 3:38:00 PM

Lab Sample ID: 0712100-002
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	12/19/2007	10	1	10	17000	mg/L	R14873
TPH (Diesel)	SW8015B	12/26/2007	0.1	2	0.200	3.77x	mg/L	R14913
Surr: Pentacosane	SW8015B	12/26/2007	0	2	53.3-124	98.0	%REC	R14913

Note:x- Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Lighter end hydrocarbons within the diesel range quantitated as diesel.

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-2
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 3:38:00 PM

Lab Sample ID: 0712100-002
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
1,1,1-Trichloroethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,1,2,2-Tetrachloroethane	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
1,1,2-Trichloroethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,1-Dichloroethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,1-Dichloroethene	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
1,1-Dichloropropene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,2,3-Trichlorobenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,2,3-Trichloropropane	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
1,2,4-Trichlorobenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,2,4-Trimethylbenzene	SW8260B	12/19/2007	0.5	44	22.0	1230	µg/L	R14860
1,2-Dibromo-3-chloropropane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,2-Dibromoethane (EDB)	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,2-Dichlorobenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,2-Dichloroethane (EDC)	SW8260B	12/19/2007	0.5	44	22.0	568	µg/L	R14860
1,2-Dichloropropane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,3,5-Trimethylbenzene	SW8260B	12/19/2007	0.5	44	22.0	352	µg/L	R14860
1,3-Dichlorobenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,4-Dichlorobenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
1,4-Dioxane	SW8260B	12/19/2007	5	44	220	ND	µg/L	R14860
2,2-Dichloropropane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
2-Chloroethyl vinyl ether	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
2-Chlorotoluene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
4-Chlorotoluene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
4-Isopropyltoluene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Acetone	SW8260B	12/19/2007	10	44	440	ND	µg/L	R14860
Benzene	SW8260B	12/19/2007	0.5	220	110	13300	µg/L	R14860
Bromobenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Bromochloromethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Bromodichloromethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Bromoform	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
Bromomethane	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
Carbon tetrachloride	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Chlorobenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Chloroform	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Chloromethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
cis-1,2-Dichloroethene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
cis-1,3-Dichloropropene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Dibromochloromethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Dibromomethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Dichlorodifluoromethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Ethyl tert-butyl ether (ETBE)	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Ethylbenzene	SW8260B	12/19/2007	0.5	44	22.0	1350	µg/L	R14860

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-2
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 3:38:00 PM

Lab Sample ID: 0712100-002
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Freon-113	SW8260B	12/19/2007	1	44	44.0	ND	µg/L	R14860
Hexachlorobutadiene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Isopropyl ether (DIPE)	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Isopropylbenzene	SW8260B	12/19/2007	1	44	44.0	73.0	µg/L	R14860
Methyl tert-butyl ether (MTBE)	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Methylene chloride	SW8260B	12/19/2007	5	44	220	ND	µg/L	R14860
Naphthalene	SW8260B	12/19/2007	0.5	44	22.0	227	µg/L	R14860
n-Butylbenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
n-Propylbenzene	SW8260B	12/19/2007	0.5	44	22.0	118	µg/L	R14860
sec-Butylbenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Styrene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
t-Butyl alcohol (t-Butanol)	SW8260B	12/19/2007	5	44	220	ND	µg/L	R14860
tert-Amyl methyl ether (TAME)	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
tert-Butylbenzene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Tetrachloroethene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Toluene	SW8260B	12/19/2007	0.5	44	22.0	172	µg/L	R14860
trans-1,2-Dichloroethene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
trans-1,3-Dichloropropene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Trichloroethene	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Trichlorofluoromethane	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Vinyl chloride	SW8260B	12/19/2007	0.5	44	22.0	ND	µg/L	R14860
Xylenes, Total	SW8260B	12/19/2007	1.5	44	66.0	2330	µg/L	R14860
Surr: Dibromofluoromethane	SW8260B	12/19/2007	0	44	61.2-131	89.7	%REC	R14860
Surr: Dibromofluoromethane	SW8260B	12/19/2007	0	220	61.2-131	97.6	%REC	R14860
Surr: 4-Bromofluorobenzene	SW8260B	12/19/2007	0	44	64.1-120	77.0	%REC	R14860
Surr: 4-Bromofluorobenzene	SW8260B	12/19/2007	0	220	64.1-120	85.7	%REC	R14860
Surr: Toluene-d8	SW8260B	12/19/2007	0	44	75.1-127	95.2	%REC	R14860
Surr: Toluene-d8	SW8260B	12/19/2007	0	220	75.1-127	99.2	%REC	R14860
TPH (Gasoline)	SW8260B(TPH)	12/19/2007	50	44	2200	30900x	µg/L	G14860
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/19/2007	0	44	58.4-133	69.0	%REC	G14860

Note: x-Although TPH as Gasoline is present, result is elevated due to presence of non-target compounds within the TPH as Gasoline quantitative range.

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-3
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 6:50:00 PM

Lab Sample ID: 0712100-003
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	12/19/2007	10	1	10	8600	mg/L	R14873
TPH (Diesel)	SW8015B	12/20/2007	0.1	1	0.100	ND	mg/L	R14913
Surr: Pentacosane	SW8015B	12/20/2007	0	1	53.3-124	94.0	%REC	R14913

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-3
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 6:50:00 PM

Lab Sample ID: 0712100-003
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,1,1-Trichloroethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,1,2,2-Tetrachloroethane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,1,2-Trichloroethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,1-Dichloroethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,1-Dichloroethene	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,1-Dichloropropene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2,3-Trichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2,3-Trichloropropane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
1,2,4-Trichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2,4-Trimethylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dibromo-3-chloropropane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dibromoethane (EDB)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dichloroethane (EDC)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,2-Dichloropropane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,3,5-Trimethylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,3-Dichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,4-Dichlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
1,4-Dioxane	SW8260B	12/19/2007	5	1	5.00	ND	µg/L	R14860
2,2-Dichloropropane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
2-Chloroethyl vinyl ether	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
2-Chlorotoluene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
4-Chlorotoluene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
4-Isopropyltoluene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Acetone	SW8260B	12/19/2007	10	1	10.0	ND	µg/L	R14860
Benzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Bromobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Bromochloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Bromodichloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Bromoform	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
Bromomethane	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
Carbon tetrachloride	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Chlorobenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Chloroform	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Chloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
cis-1,2-Dichloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
cis-1,3-Dichloropropene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Dibromochloromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Dibromomethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Dichlorodifluoromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Ethyl tert-butyl ether (ETBE)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Ethylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/18/2007
Date Reported:

Client Sample ID: MW-3
Sample Location: 700 Ind Rd
Sample Matrix: WATER
Date/Time Sampled 12/17/2007 6:50:00 PM

Lab Sample ID: 0712100-003
Date Prepared: 12/19/2007

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Freon-113	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
Hexachlorobutadiene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Isopropyl ether (DIPE)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Isopropylbenzene	SW8260B	12/19/2007	1	1	1.00	ND	µg/L	R14860
Methyl tert-butyl ether (MTBE)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Methylene chloride	SW8260B	12/19/2007	5	1	5.00	ND	µg/L	R14860
Naphthalene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
n-Butylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
n-Propylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
sec-Butylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Styrene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
t-Butyl alcohol (t-Butanol)	SW8260B	12/19/2007	5	1	5.00	ND	µg/L	R14860
tert-Amyl methyl ether (TAME)	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
tert-Butylbenzene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Tetrachloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Toluene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
trans-1,2-Dichloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
trans-1,3-Dichloropropene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Trichloroethene	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Trichlorofluoromethane	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Vinyl chloride	SW8260B	12/19/2007	0.5	1	0.50	ND	µg/L	R14860
Xylenes, Total	SW8260B	12/19/2007	1.5	1	1.50	ND	µg/L	R14860
Surr: Dibromofluoromethane	SW8260B	12/19/2007	0	1	61.2-131	82.8	%REC	R14860
Surr: 4-Bromofluorobenzene	SW8260B	12/19/2007	0	1	64.1-120	90.8	%REC	R14860
Surr: Toluene-d8	SW8260B	12/19/2007	0	1	75.1-127	97.4	%REC	R14860
TPH (Gasoline)	SW8260B(TPH)	12/19/2007	50	1	50	ND	µg/L	G14860
Surr: 4-Bromoflurobenzene	SW8260B(TPH)	12/19/2007	0	1	58.4-133	94.8	%REC	G14860

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
Work Order: 0712100
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G14860

Sample ID: **MB-G**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **12/19/2007**	RunNo: **14860**
Client ID: **ZZZZZ**	Batch ID: **G14860**	TestNo: **SW8260B(TP**		Analysis Date: **12/19/2007**	SeqNo: **213735**

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	58.4	133				

Sample ID: **LCS-G**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **12/18/2007**	RunNo: **14860**
Client ID: **ZZZZZ**	Batch ID: **G14860**	TestNo: **SW8260B(TP**		Analysis Date: **12/18/2007**	SeqNo: **213756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	227.0	50	227	0	100	52.4	127				
Surr: 4-Bromofllurobenzene	11.00	0	11.36	0	96.8	58.4	133				

Sample ID: **LCSD-G**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **12/19/2007**	RunNo: **14860**
Client ID: **ZZZZZ**	Batch ID: **G14860**	TestNo: **SW8260B(TP**		Analysis Date: **12/19/2007**	SeqNo: **213763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	213.0	50	227	0	93.8	52.4	127	227	6.36	20	
Surr: 4-Bromofllurobenzene	12.00	0	11.36	0	106	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: 0712100
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R14860

Sample ID: **MB**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**		Prep Date: **12/18/2007**			RunNo: **14860**			
Client ID: **ZZZZZ**	Batch ID: **R14860**	TestNo: **SW8260B**			Analysis Date: **12/18/2007**			SeqNo: **213721**			
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
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

CLIENT: KLEINFELDER
Work Order: 0712100
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R14860

Sample ID: **MB**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **12/18/2007**	RunNo: **14860**
Client ID: **ZZZZZ**	Batch ID: **R14860**	TestNo: **SW8260B**		Analysis Date: **12/18/2007**	SeqNo: **213721**

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									
Isopropyl ether (DIPE)	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									

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: 0712100
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R14860

Sample ID: MB	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/18/2007	RunNo: 14860
Client ID: ZZZZZ	Batch ID: R14860	TestNo: SW8260B		Analysis Date: 12/18/2007	SeqNo: 213721

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	0.500									
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	10.24	0	11.36	0	90.1	61.2	131				
Surr: 4-Bromofluorobenzene	11.20	0	11.36	0	98.6	64.1	120				
Surr: Toluene-d8	11.68	0	11.36	0	103	75.1	127				

Sample ID: LCS	SampType: LCS	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/18/2007	RunNo: 14860
Client ID: ZZZZZ	Batch ID: R14860	TestNo: SW8260B		Analysis Date: 12/18/2007	SeqNo: 213722

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.74	1.00	17.04	0	98.2	61.4	129				
Benzene	16.37	0.500	17.04	0	96.1	66.9	140				
Chlorobenzene	17.45	0.500	17.04	0	102	73.9	137				
Toluene	16.59	0.500	17.04	0	97.4	76.6	123				
Trichloroethene	16.62	0.500	17.04	0	97.5	69.3	144				
Surr: Dibromofluoromethane	10.80	0	11.36	0	95.1	61.2	131				
Surr: 4-Bromofluorobenzene	11.78	0	11.36	0	104	64.1	120				
Surr: Toluene-d8	10.78	0	11.36	0	94.9	75.1	127				

Sample ID: LCSD	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/18/2007	RunNo: 14860
Client ID: ZZZZZ	Batch ID: R14860	TestNo: SW8260B		Analysis Date: 12/18/2007	SeqNo: 213723

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.79	1.00	17.04	0	98.5	61.4	129	16.74	0.298	20	
Benzene	16.46	0.500	17.04	0	96.6	66.9	140	16.37	0.548	20	
Chlorobenzene	17.54	0.500	17.04	0	103	73.9	137	17.45	0.514	20	
Toluene	16.32	0.500	17.04	0	95.8	76.6	123	16.59	1.64	20	
Trichloroethene	17.14	0.500	17.04	0	101	69.3	144	16.62	3.08	20	
Surr: Dibromofluoromethane	10.78	0	11.36	0	94.9	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.31	0	11.36	0	99.6	64.1	120	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

CLIENT: KLEINFELDER
Work Order: 0712100
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R14860

Sample ID: **LCSD**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **12/18/2007**	RunNo: **14860**
Client ID: **ZZZZZ**	Batch ID: **R14860**	TestNo: **SW8260B**		Analysis Date: **12/18/2007**	SeqNo: **213723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	11.05	0	11.36	0	97.3	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: 0712100
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R14873

Sample ID: **MB-R14873**	SampType: **MBLK**	TestCode: **TDS_W**	Units: **mg/L**	Prep Date:					RunNo: **14873**			
Client ID: **ZZZZZ**	Batch ID: **R14873**	TestNo: **E160.1**		Analysis Date: **12/19/2007**					SeqNo: **213893**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Dissolved Solids (Residue, Filtera	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: 0712100
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R14913

Sample ID: WD071220A-MB	SampType: MBLK	TestCode: TPHDO_W	Units: mg/L	Prep Date: 12/20/2007	RunNo: 14913
Client ID: ZZZZZ	Batch ID: R14913	TestNo: SW8015B		Analysis Date: 12/20/2007	SeqNo: 214418

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	ND	0.100									
Surr: Pentacosane	0.1030	0	0.1	0	103	53.3	124				

Sample ID: WD071220A-LCS	SampType: LCS	TestCode: TPHDO_W	Units: mg/L	Prep Date: 12/20/2007	RunNo: 14913
Client ID: ZZZZZ	Batch ID: R14913	TestNo: SW8015B		Analysis Date: 12/20/2007	SeqNo: 214419

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.9180	0.100	1	0	91.8	46.2	109				
Surr: Pentacosane	0.1110	0	0.1	0	111	53.3	124				

Sample ID: WD071220A-LCSD	SampType: LCSD	TestCode: TPHDO_W	Units: mg/L	Prep Date: 12/20/2007	RunNo: 14913
Client ID: ZZZZZ	Batch ID: R14913	TestNo: SW8015B		Analysis Date: 12/20/2007	SeqNo: 214420

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel)	0.9020	0.100	1	0	90.2	46.2	109	0.918	1.76	20	
Surr: Pentacosane	0.1100	0	0.1	0	110	53.3	124	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