FOURTH QUARTER 2008
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

February 20, 2009

Equity Office

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February 20, 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: Fourth Quarter 2008 Groundwater Monitoring Report, 700 Independent Road, Oakland, California, Fuel Leak Case No. RO0002900

Dear Mr. Wickham,

Enclosed is a Groundwater Monitoring Report for the fourth quarter 2008 for the property located at 700 Independent Road, Oakland, California. The quarterly groundwater monitoring report was prepared by Kleinfelder Inc. on behalf of Equity Office Properties – 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 is 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

A Report Prepared for:

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

FOURTH QUARTER 2008
GROUNDWATER MONITORING REPORT
700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

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

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February 20, 2009

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1.0 INTRODUCTION

This report describes Fourth Quarter 2008 groundwater monitoring activities at 700 Independent Road, Oakland California (the site). The work was performed by Kleinfelder for Equity Office Properties 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:

- Collection of groundwater samples from the five existing 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 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/manufacturing 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 first encountered 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 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 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 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, including 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 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 the 2007 RWQCB ESLs in the 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 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. MW-1 and K-18 were believed 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. Field activities and analytical results of the investigation were summarized in the May 11, 2007 report titled *Further Site Investigation Report, 700 Independent Road, Oakland, California,* prepared by Kleinfelder.

In response to ACEHS' request for further investigation at the site, an additional subsurface 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 UST removed from the site in August 2005. The investigation also 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).

No chemicals of concern were reported at concentrations at or above the laboratory's reporting limit in groundwater collected from the borings, except for TPH-g and TPH-d in

the groundwater samples collected from MW-4 and MW-5. TPH-g was reported slightly above the laboratory's reporting limit, at 56-µg/L and 55-µg/L, in the samples from MW-4 and MW-5, 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 most current (May 2008) ESLs. No chemicals of concern were reported in soil at concentrations above the laboratory's reporting limit in the borings advanced during this scope of work.

2.2.3 Previous Quarterly Groundwater Monitoring

Periodic groundwater monitoring has been conducted since March 2007 for MW-1, MW-2, and MW-3 and since January 2008 for 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 purge characteristics in groundwater and Table 4 presents a summary of chemical data. As part of the fourth quarter 2007 groundwater sampling event conducted in December, 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 chemical injection was performed at the site to assess the effectiveness of *in situ* chemical oxidation and obtain design parameters for potential full scale implementation of chemical oxidation injection at the site. The pilot test consisted of injection of modified Fenton's reagent (containing hydrogen peroxide and an iron catalyst) during December 8-12, 2008. Injection was performed at 11 locations in the vicinity of the UST's former location, using direct push technology. As

part of the pilot test, baseline soil and groundwater samples were collected on December 1, 2008; two baseline soil samples were collected from each of two borings in the vicinity of the UST's former location, and baseline groundwater samples were collected from wells MW-1, MW-2, and MW-3 at the time of the Fourth Quarter Groundwater monitoring described in Section 3.0. 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. Kleinfelder will outline and discuss activities associated with the pilot test in a subsequent report.

3.0 FIELD ACTIVITIES

This section summarizes the activities performed at the site in the fourth quarter 2008 groundwater monitoring event.

3.1 GROUNDWATER MONITORING ACTIVITIES

The fourth quarter 2008 groundwater-monitoring event took place on December 1-2, 2008. 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. Water level measurements were also made to assess groundwater flow patterns, discussed in Section 4.1.

3.1.2 Groundwater Sample Collection

Upon completing 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 EC 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 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 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 fourth quarter 2008 groundwater monitoring event. Samples were analyzed for the following parameters:

- TPH-d using Environmental Protection Agency (EPA) Method 8015M, and
- VOCs, including BTEX, 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 (IDW) HANDLING PROCEDURES

Investigation-derived wastes (IDW), 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 SUMMARY OF RESULTS

As described in Section 3, the fourth quarter 2008 groundwater monitoring event took place on December 1-2, 2008. On that date, water level measurements were made in the five Site monitoring wells and the wells were sampled for chemical analysis. The groundwater samples were chemically analyzed at Torrent Laboratory Inc. (Torrent), 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 1, 2008, the depth to groundwater, measured from the top of casings ranged from 5.33 to 6.51 feet. Groundwater surface elevations ranged from 3.52 to 4.28 feet above mean sea level (Table 2). Since June 11, 2008, the last time water levels were measured, the groundwater surface elevation for MW-1, MW-2, MW-3, MW-4, and MW-5 dropped approximately 1.18 feet, 0.68 feet, 0.61 feet, 1.07 feet, and 0.37 feet, respectively.

The water-level measurements were used to estimate groundwater surface elevation contours, as shown on Plate 3. Based on the December 1, 2008 depth to groundwater data, groundwater beneath the site was estimated to flow to the south-southeast, and to the north, with an approximate 0.02 ft/ft hydraulic gradient. The fourth quarter 2008 flow directions are similar to those found on June 11, 2008. On June 11, 2008 groundwater was estimated to flow to the south, and to the north-northeast.

4.2 GROUNDWATER SAMPLE RESULTS

Groundwater samples collected on December 1-2, 2008 from wells MW-1, MW-2, MW-3, MW-4, and MW-5, were analyzed for TPH-g, TPH-d, and VOCs. A duplicate sample was collected from well MW-2. Groundwater analytical results are discussed in the following sections. 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[1].

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 EC were measured during purging. Table 3 presents final purge characteristic data prior to collecting the samples in December 2008. As noted on Table 3, the EC levels were relatively high, ranging from 8,774 µmhos/cm in MW-5 to 24,976 µmhos/cm in MW-2. These EC data are consistent with previous EC and TDS results which indicate that groundwater at the site is not suitable as a source for drinking water, in accordance with SFRWQCB Resolution No. 89-39.

4.2.2 Total Petroleum Hydrocarbons and Volatile Organics

4.2.2.1 Environmental Screening Levels (ESLs)

The SFRWQCB developed ESLs to be used 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, which is consistent with the TDS findings in fourth quarter 2007 (see Section 2.2.3) and first, second, and fourth quarter 2008 EC purge data (see section 4.2.1). 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.

4.2.2.2 Total Petroleum Hydrocarbons

Groundwater samples from wells MW-1, MW-2, MW-3, MW-4, and MW-5 were analyzed for TPH-g and TPH-d, using EPA Methods 8260B and 8015M, respectively.

[1] Torrent's analytical report (Appendix B) includes parameter results associated with both the chemical injection pilot test and the fourth quarter 2008 sampling analytical results. These results are discussed in the pilot test report.

The groundwater samples collected from MW-2 (adjacent to the former UST) and MW-1 (located approximately 70 feet east of the former UST) contained TPH-g at 53,000 µg/L (44,000 µg/L for the duplicate sample) and 2,900 µg/L respectively, which exceed the TPH-g ESL of 210 µg/L. In groundwater samples collected at MW-2 and MW-1, TPH-d was detected at concentrations of 965 µg/L (696 µg/L for the duplicate sample) and 484 µg/L respectively, which exceed the TPH-d ESL of 210 µg/L. No TPH-g or TPH-d concentrations were reported at or above the laboratory's reporting limits in the samples from MW-3, (located approximately 35 feet north of the former UST), MW-4 (approximately 115 feet east-northeast of the former UST) and MW-5 (approximately 80 feet north-northwest of the former UST).

As indicated on Table 4, between June 2008 and December 2008, TPH-d concentrations in well MW-1 and TPH-g concentrations in well MW-2 increased while TPH-g concentrations in well MW-1 and TPH-d concentrations in well MW-2 decreased. No TPH-g or TPH-d concentrations were detected at or above the reporting limits in the samples from MW-3, MW-4, and MW-5 during both the June and December 2008 sampling events.

4.2.2.3 Volatile Organics

Groundwater samples from wells MW-1, MW-2, MW-3, MW-4, and MW-5 were analyzed for VOCs using EPA Method 8260B. Between June 2008 and December 2008, benzene, toluene, and ethylbenzene concentrations for the sample collected at MW-1 decreased, while total xylenes, propylbenzene, and 1,3,5 trimethylbenzene concentrations increased. During the same period, benzene, propylbenzene, 1,3,5 trimethylbenzene, and ethylbenzene concentrations at MW-2 increased, while toluene and total xylenes concentrations decreased (Table 4). The groundwater samples collected from MW-2 and MW-1 contained benzene concentrations of 20,500 µg/L (10,300 µg/L for the duplicate sample) and 295 µg/L, respectively, exceeding the benzene ESL of 46 µg/L. Ethylbenzene concentrations in the samples collected from MW-2 and MW-1 were 1,240 µg/L (1,330 µg/L for the duplicate sample) and 137 µg/L respectively, exceeding the ethylbenzene ESL of 43 µg/L. Total xylene concentrations in samples collected from MW-2 and MW-1 were 1,180 µg/L (1,550 µg/L for the duplicate sample) and 218 µg/L respectively, exceeding the total xylenes ESL of 100 µg/L. The 1,2-dichloroethane concentration in the sample collected at MW-2 was 468 µg/L (611 µg/L for the duplicate sample), exceeding the 1,2 dichloroethane ESL of 200

µg/L. Naphthalene concentrations increased from June 2008 to December 2008. The reported naphthalene concentrations in the samples collected from MW-2 and MW-1 were 196 µg/L (not detected at or above 88.0 µg/L for the duplicate sample) and 298 µg/L respectively, exceeding the naphthalene ESL of 24 µg/L. The 1,1-dichloroethane concentration in the duplicate sample collected from MW-2 was 63.4 µg/L, exceeding the 1,1-dichloroethane ESL of 47 µg/L.

1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Propylbenzene (n-) concentrations were detected in samples collected from MW-2 (including the duplicate sample) and MW-1, and isopropylbenzene was detected in the sample collected from MW-1; no ESLs have been established for these volatile organic compounds. Lab dilution of the duplicate sample collected from MW-2 raised the reporting limit for naphthalene above its ESL. No other VOC concentrations in samples collected from MW-2 and MW-1 exceeded their respective ESLs. No VOC concentrations were reported for the samples collected from MW-3, MW-4, and MW-5.

5.0 CONCLUSIONS

The conclusions presented below are based on the groundwater monitoring event performed in December 2008.

5.1 Hydraulic Conditions

The direction of groundwater flow in December 2008 was to the south-southeast and north (Plate 3). This flow pattern is similar to that observed in June 2008 and March 2008 (south and north-northeast). The groundwater surface elevation between June 2008 and December 2008 declined in wells MW-1, MW-2, MW-3, MW-4, and MW-5.

5.2 Water Quality

Analytical results for the groundwater samples collected in December 2008 were relatively similar to those reported during the June 2008 and December 2007 sampling events. Between June 2008 and December 2008, benzene, toluene, and ethylbenzene concentrations for the sample collected at MW-1 decreased, while total xylenes concentrations increased. During the same period, benzene and ethylbenzene concentrations at MW-2 increased, while toluene and total xylenes concentrations decreased. Reported concentrations of TPH-d, TPH-g, benzene, ethylbenzene, naphthalene, and total xylenes in the samples from well MW-1 and MW-2 exceeded ESLs. 1,2-Dichloroethane concentrations in the MW-2 sample exceeded its ESL. 1,1-Dichloroethane concentrations reported in the duplicate sample from MW-2 exceeded its ESL. The highest concentrations of reported parameters were found in the sample from MW-2 (except Isopropylbenzene in the sample from MW-1), which is located adjacent to the former UST. No chemicals of concern were detected in groundwater from wells MW-3, MW-4, and MW-5.

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.

TABLES

Table 1

Monitoring Well Construction Details

EOP - 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, msl)	Vault Elevation (Feet, msl)	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:

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

EOP - 700 Independent Road, Oakland, California

Well ID	Date Measured	Depth to Water (feet)	Groundwater Surface Elevation (feet, msl)
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
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
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
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
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

Notes:

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

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

msl = Mean sea level

Measuring Point Elevation (feet, msl):

MW-1	9.64
MW-2	9.53
MW-3	10.79
MW-4	9.61
MW-5	9.75

Table 3

Final Purge Characteristics in Groundwater

EOP - 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
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
MW-3	9/10/2007	8.5	6.97	>3,999[a]	22.3
	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
MW-4	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
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

Acronyms:

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

Table 4

Volatile Organic Compounds, Total Petroleum Hydrocarbons, and Total Dissolved Solids in Groundwater

EOP - 700 Independent Road, Oakland, California

Sample Location	MW-1						MW-2						MW-2 (DUP)	ESL*
Date Sampled	3/19/2007	9/10/2007	12/17/2007	3/28/2008	6/11/2008	12/1/2008	3/19/2007	9/10/2007	12/17/2007	3/28/2008	6/11/2008	12/2/2008	12/2/2008	
TPH-d	**390a**	**315a**	186a	<100	**235a**	**484f**	**940a**	**1690a**	**3,770a**	**300c**	**1,030a**	**965f**	**696f**	210
TPH-g	**3,300**	**1,700b**	**1,510b**	**12,000**	**4,700**	**2,900**	**38,000**	**52,100b**	**30,900b**	**47,000**	**31,000**	**53,000**	**44,000**	210
Benzene	**162**	**145**	**204**	**1,020**	**721**	**295**	**11,600**	**15,800**	**13,300**	**12,600**	**19,700**	**20,500**	**10,300**	46
Butylbenzene (sec-)	NA	0.9	2.41	NA	<4.40	<4.40	NA	<22.0	<22.0	NA	<44.0	<44.0	<44.0	NE
1,1 Dichloroethane	NA	<0.500	<0.500	NA	<4.40	<4.40	NA	<22.0	<22.0	NA	**59.0**	46.6	**63.4**	47
1,2 Dichloroethane (EDC)	<1.1	<0.500	<0.500	NA	<4.40	<4.40	**226**	**611**	**568**	NA	**542**	**468**	**611**	200
Ethylbenzene	**60.2**	**72.2**	**78.6**	**161**	**160**	**137**	**588**	**1,120**	**1,350**	**619**	**1,090**	**1,240**	**1,330**	43
Isopropylbenzene	NA	11.6	9.96	NA	18.9	36.7	NA	69.1	73	NA	<88.0	<88.0	<88.0	NE
Isopropyltoluene (4-)	NA	2.42	1.69	NA	NA	NA	NA	<22.0	<22.0	NA	NA	NA	<44.0	NE
Naphthalene	NA	7.69	4.35	NA	**<52.8**	**298**	NA	**231**	**227**	NA	**<528**	**196**	**<88.0**	24
Propylbenzene (n-)	NA	20.8	19	NA	<4.40	88.4	NA	143	118	NA	<44.0	125	136	NE
Toluene	**205**	56.1	15.1	19.1	84.8	27.1	**274**	**552**	**172**	67.3	81.0	<44.0	55.4	130
Trimethylbenzene (1,2,4-)	NA	94.6	67	NA	132	501	NA	1,270	1,230	NA	154	1,200	1,280	NE
Trimethylbenzene (1,3,5-)	NA	17.1	6.12	NA	11.0	35.1	NA	650	352	NA	731	66.9	77.4	NE
Xylenes, total	**351**	**197**	56.7	60.0	**126**	**218**	**2,880**	**5,420**	**2,330**	**1,040**	**1,410**	**1,180**	**1,550**	100
Methyl tert butyl ether (MTBE)	<1.1	<0.500	<0.500	<1.10	<4.40	<4.40	<13.2	<22.0	<22.0	<22.0	<44.0	<44.0	<44.0	1800
Total Dissolved Solids (TDS)	NA	NA	14,000,000	NA	NA	14,000,000	NA	NA	17,000,000	NA	NA	17,000,000	NA	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 (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.

DUP - Duplicate sample

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

PLATES

KLEINFELDER
Bright People. Right Solutions.
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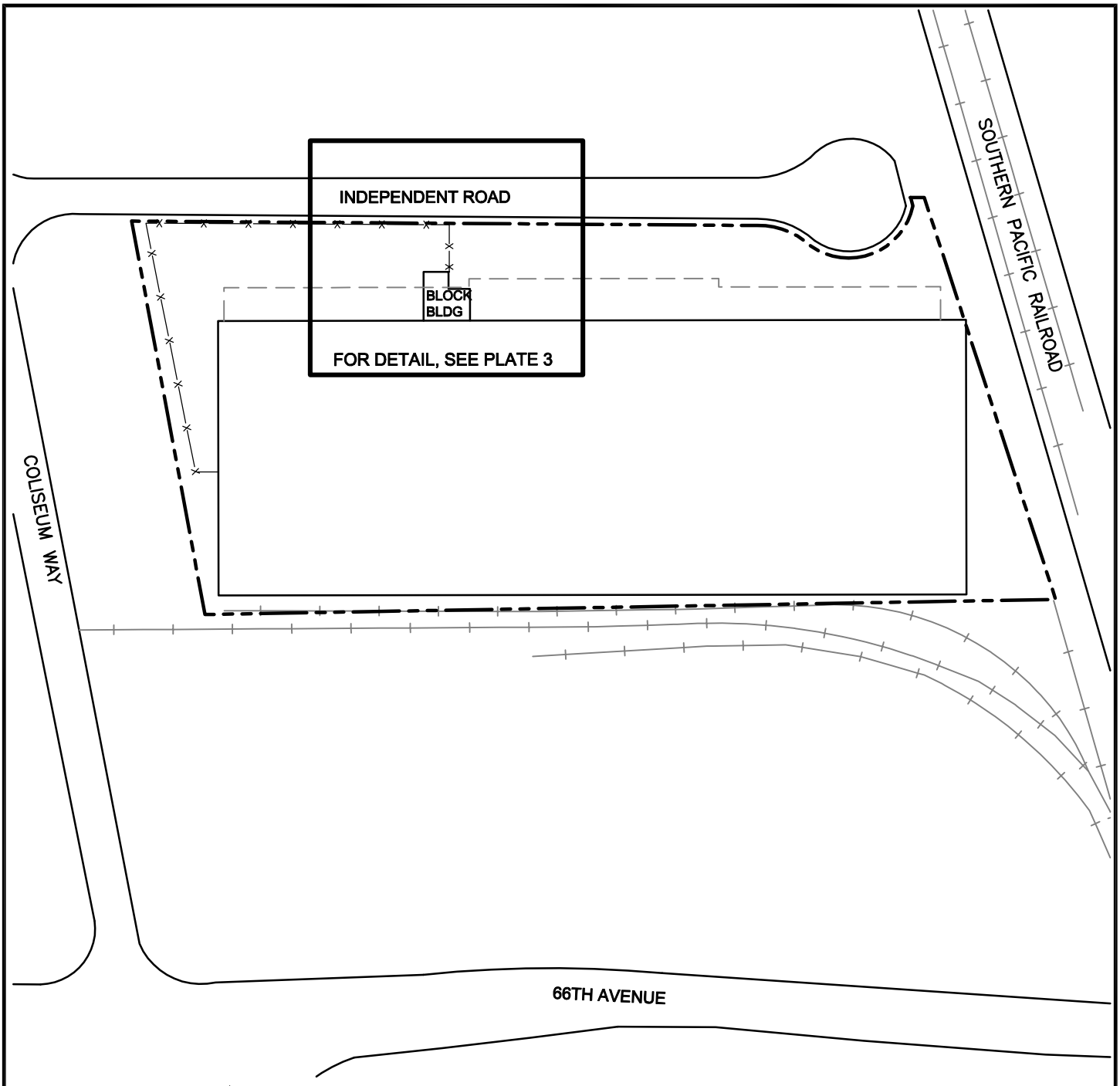
PROJECT NO.	54504 / 5B
DRAWN:	MAY 2008
DRAWN BY:	LGS
CHECKED BY:	CHA
FILE NAME:	SITE-VIC.dwg

SITE VICINITY MAP

700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

PLATE
1

ATTACHED IMAGES: Images: VIC-MAP.jpg
ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA
PLEASANTON, CA CAD FILE: C:\Documents and Settings\lsue\My Documents_CADD_CADD proj\54504\5B\MAR 2008\ LAYOUT: Layout1 PLOTTED: 09 May 2008, 12:53pm, lsue



LEGEND

PROPERTY BOUNDARY

FENCE LINE

LIMITS OF BUILDING OVERHANG

NOTE: Locations are approximate.

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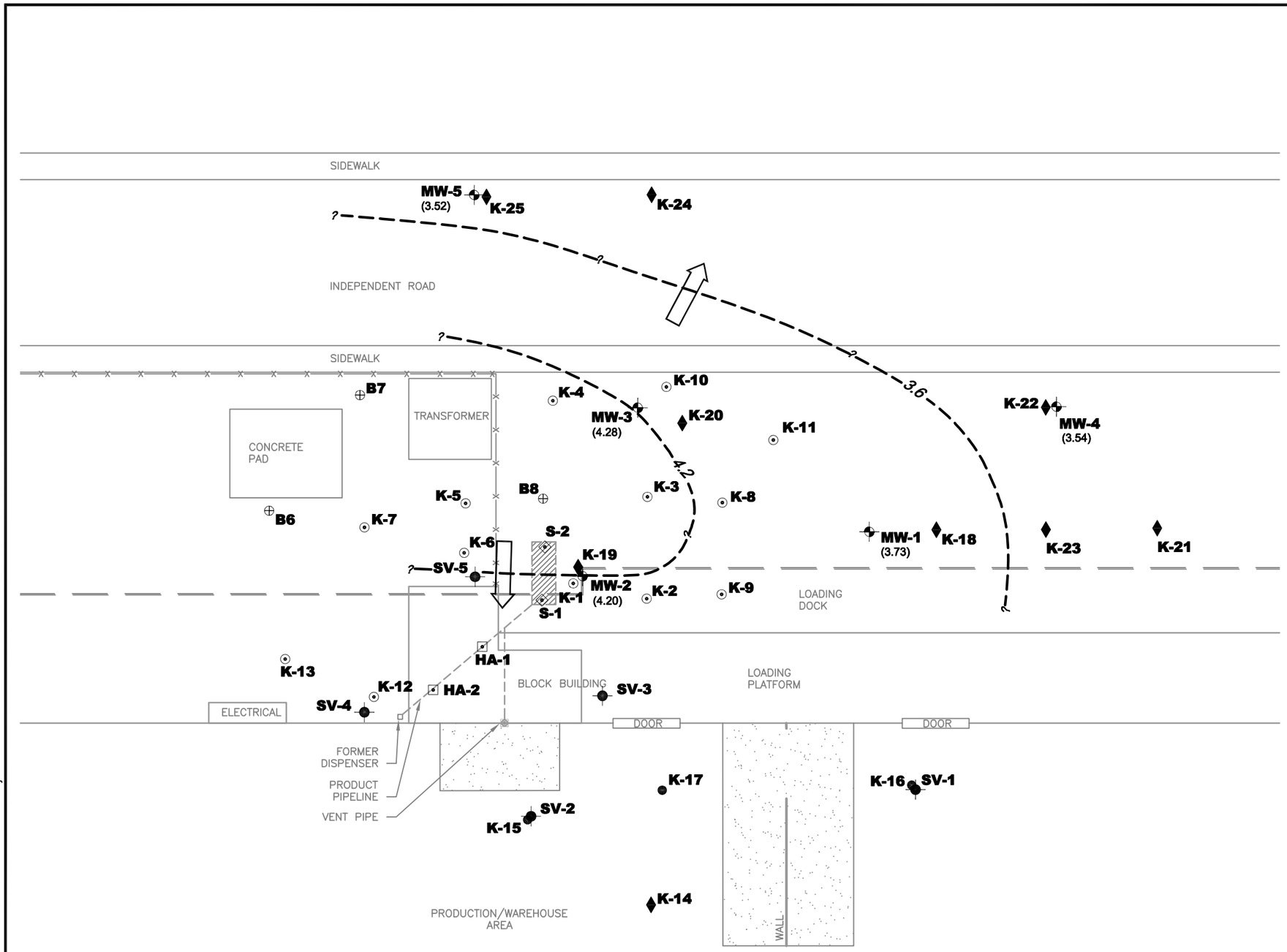
PROJECT NO.	54504 / 5B
DRAWN:	MAY 2008
DRAWN BY:	LGS
CHECKED BY:	CHA
FILE NAME:	SP OVERALL.dwg

SITE PLAN: OVERALL

700 INDEPENDENT ROAD
OAKLAND, CALIFORNIA

PLATE **2**

ATTACHED IMAGES:
ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA
PLEASANTON, CA CAD FILE: C:\Documents and Settings\lsue\My Documents_CADD_CADD proj\54504\5B\MAR 2008\ LAYOUT: PLATE 2 PLOTTED: 09 May 2008, 12:59pm, lsue



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
- (4.28) GROUNDWATER ELEVATION (feet, msl)
- 4.2 GROUNDWATER 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.

25 0 25
APPROXIMATE SCALE (feet)

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www.kleinfelder.com

PROJECT NO.	54504
DRAWN:	JAN 2009
DRAWN BY:	JDS
CHECKED BY:	CHA
FILE NAME:	GW-CONT_12-2008.dwg

GROUNDWATER SURFACE ELEVATION CONTOURS AND ESTIMATED GROUNDWATER FLOW: DECEMBER 1, 2008

700 INDEPENDENCE ROAD
OAKLAND, CALIFORNIA

PLATE
3

APPENDIX A

CHAIN OF CUSTODY RECORDS

KLEINFELDER
Bright People. Right Solutions.

0812012

PROJECT NO.	PROJECT NAME	RECEIVING LAB:
54504	INDEPENDENT ROAD	TORRENT

L.P. NO. (PO. NO.):

SAMPLERS (Signature/Number): [signature]

INSTRUCTIONS/REMARKS: STD TAT

ANALYSIS:
1. VOCs+Oxys+TPHg (8260)
2. TPHd + Silica gel CUP (8015)
3. METALS * (200.7)
4. HEXAVALENT CHROMIUM (7196)
5. MAJOR IONS ** (200.7)
6. DISS. FERROUS IRON (200.7)
7. ALKALINITY AS $CaCO_3$
8. TDS (160.1)
9. TOC (415.3)

	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	VOCs+Oxys+TPHg (8260)	TPHd + Silica gel CUP (8015)	METALS * (200.7)	HEXAVALENT CHROMIUM (7196)	MAJOR IONS ** (200.7)	DISS. FERROUS IRON (200.7)	ALKALINITY AS $CaCO_3$	TDS (160.1)	TOC (415.3)			INSTRUCTIONS/REMARKS
-001A 1	12/1/08	15:50	MW-1	W	11	VOA/AG/POLY	X	X	X	X	X	X	X	X	X			
-002A 2	12/2/08	13:30	MW-2	W	11	↓	X	X	X	X	X	X	X	X	X			MW-2 VOAs are unpreserved
-003A 3	12/2/08	12:10	MW-3	W	11	↓	X	X	X	X	X	X	X	X	X			
-004A 4	12/1/08	14:30	MW-4	W	10	VOA/AG	X	X										
-005A 5	12/1/08	13:00	MW-5	W	10	↓	X	X										
-006A 6	12/2/08	13:45	MW-DUP	W	7	↓	X	X										*METALS MW-Dup VOAs are unpreserved
7																		ARSENIC
8																		BARIUM
9																		CADMIUM
10																		CHROMIUM
11																		COPPER
12																		LEAD
13																		SELENIUM
14																		
15																		**MAJOR IONS
16																		SODIUM
17																		POTASSIUM
18																		CALCIUM
19																		MAGNESIUM
20																		IRON

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	12/2/08 17:02	D. J. Ghodasara
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks:
EMAIL RESULTS TO:
CAlmestad@kleinfelder.com
SDrugon@kleinfelder.com

Send Results To:
KLEINFELDER - OAKLAND
Attn: CHARLIE ALMESTAD

ENV-02 REV.05/08) White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

Drop-off.

CHAIN OF CUSTODY

COC № 11644

APPENDIX B

CERTIFIED ANALYTICAL LABORATORY REPORTS

Torrent
LABORATORY, INC.

December 10, 2008

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

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

RE: 54504

Order No.: 0812012

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 6 samples on 12/2/2008 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.
Reported data is applicable for only the samples received as part of the order number referenced above.

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

Sincerely,

Laboratory Director

12/10/08
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: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-1
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 3:50:00 PM

Lab Sample ID: 0812012-001
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	12/4/2008	10	1	10	14000	mg/L	R18068
Arsenic	E200.7	12/5/2008	0.01	1	0.010	ND	mg/L	4792
Barium	E200.7	12/5/2008	0.01	1	0.010	0.098	mg/L	4792
Cadmium	E200.7	12/5/2008	0.005	1	0.0050	ND	mg/L	4792
Calcium	E200.7	12/5/2008	0.1	1	0.10	100	mg/L	4792
Chromium	E200.7	12/5/2008	0.005	1	0.0050	ND	mg/L	4792
Copper	E200.7	12/5/2008	0.01	1	0.010	ND	mg/L	4792
Iron	E200.7	12/5/2008	0.05	1	0.050	2.2	mg/L	4792
Lead	E200.7	12/5/2008	0.005	1	0.0050	ND	mg/L	4792
Magnesium	E200.7	12/5/2008	0.05	1	0.050	210	mg/L	4792
Potassium	E200.7	12/5/2008	1	1	1.0	34	mg/L	4792
Selenium	E200.7	12/5/2008	0.01	1	0.010	ND	mg/L	4792
Sodium	E200.7	12/5/2008	0.2	100	20	5700	mg/L	4792
Total Organic Carbon	E415.1	12/3/2008	0.5	1	0.50	8.7	mg/L	R18050
Alkalinity, Total as CaCO3	SM2320 B	12/8/2008	2	1	2.0	1100	mg/L CaCO3	R18083
Iron, Ferrous	SM3500-FE B	12/3/2008	0.1	1	0.10	ND	mg/L	R18066
Chromium, Hexavalent	SW7199	12/3/2008	0.5	5	2.5	ND	µg/L	R18075
TPH (Diesel-SG)	SW8015B	12/8/2008	0.1	1	0.100	0.484x	mg/L	R18092
Surr: Pentacosane	SW8015B	12/8/2008	0	1	64.2-123	110	%REC	R18092

Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). 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: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-1
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 3:50:00 PM

Lab Sample ID: 0812012-001
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
1,1,1-Trichloroethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,1,2,2-Tetrachloroethane	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
1,1,2-Trichloroethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,1-Dichloroethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,1-Dichloroethene	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
1,1-Dichloropropene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,2,3-Trichlorobenzene	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
1,2,3-Trichloropropane	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
1,2,4-Trichlorobenzene	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
1,2,4-Trimethylbenzene	SW8260B	12/5/2008	0.5	8.8	4.40	501	µg/L	R18076
1,2-Dibromo-3-chloropropane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,2-Dibromoethane (EDB)	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,2-Dichlorobenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,2-Dichloroethane (EDC)	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,2-Dichloropropane	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
1,3,5-Trimethylbenzene	SW8260B	12/5/2008	0.5	8.8	4.40	35.1	µg/L	R18076
1,3-Dichlorobenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,3-Dichloropropene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
1,4-Dichlorobenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
2,2-Dichloropropane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
2-Chloroethyl vinyl ether	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
2-Chlorotoluene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
4-Chlorotoluene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
4-Isopropyltoluene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Acetone	SW8260B	12/5/2008	10	8.8	88.0	ND	µg/L	R18076
Benzene	SW8260B	12/5/2008	0.5	8.8	4.40	295	µg/L	R18076
Bromobenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Bromochloromethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Bromodichloromethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Bromoform	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
Bromomethane	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
Carbon tetrachloride	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
Chlorobenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Chloroform	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Chloromethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
cis-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
cis-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Dibromochloromethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Dibromomethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Dichlorodifluoromethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Diisopropyl ether (DIPE)	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Ethyl tert-butyl ether (ETBE)	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-1
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 3:50:00 PM

Lab Sample ID: 0812012-001
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	12/5/2008	0.5	8.8	4.40	137	µg/L	R18076
Freon-113	SW8260B	12/5/2008	1	8.8	8.80	ND	µg/L	R18076
Hexachlorobutadiene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Isopropylbenzene	SW8260B	12/5/2008	1	8.8	8.80	36.7	µg/L	R18076
Methyl tert-butyl ether (MTBE)	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Methylene chloride	SW8260B	12/5/2008	5	8.8	44.0	ND	µg/L	R18076
Naphthalene	SW8260B	12/5/2008	1	8.8	8.80	298	µg/L	R18076
n-Butylbenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
n-Propylbenzene	SW8260B	12/5/2008	0.5	8.8	4.40	88.4	µg/L	R18076
sec-Butylbenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Styrene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
t-Butyl alcohol (t-Butanol)	SW8260B	12/5/2008	5	8.8	44.0	ND	µg/L	R18076
tert-Amyl methyl ether (TAME)	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
tert-Butylbenzene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Tetrachloroethene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Toluene	SW8260B	12/5/2008	0.5	8.8	4.40	27.1	µg/L	R18076
trans-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
trans-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Trichloroethene	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Trichlorofluoromethane	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Vinyl chloride	SW8260B	12/5/2008	0.5	8.8	4.40	ND	µg/L	R18076
Xylenes, Total	SW8260B	12/5/2008	1.5	8.8	13.2	218	µg/L	R18076
Surr: Dibromofluoromethane	SW8260B	12/5/2008	0	8.8	61.2-131	90.0	%REC	R18076
Surr: 4-Bromofluorobenzene	SW8260B	12/5/2008	0	8.8	64.1-120	101	%REC	R18076
Surr: Toluene-d8	SW8260B	12/5/2008	0	8.8	75.1-127	95.4	%REC	R18076
TPH (Gasoline)	SW8260B(TPH)	12/5/2008	50	8.8	440	2900	µg/L	G18076
Surr: 4-Bromoflurobenzene	SW8260B(TPH)	12/5/2008	0	8.8	58.4-133	58.7	%REC	G18076

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: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-2
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 1:30:00 PM

Lab Sample ID: 0812012-002
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	12/4/2008	10	1	10	17000	mg/L	R18068
Arsenic	E200.7	12/5/2008	0.01	1	0.010	0.031	mg/L	4792
Barium	E200.7	12/5/2008	0.01	1	0.010	0.13	mg/L	4792
Cadmium	E200.7	12/5/2008	0.005	1	0.0050	ND	mg/L	4792
Calcium	E200.7	12/5/2008	0.1	1	0.10	220	mg/L	4792
Chromium	E200.7	12/5/2008	0.005	1	0.0050	0.045	mg/L	4792
Copper	E200.7	12/5/2008	0.01	1	0.010	0.13	mg/L	4792
Iron	E200.7	12/5/2008	0.05	1	0.050	29	mg/L	4792
Lead	E200.7	12/5/2008	0.005	1	0.0050	0.020	mg/L	4792
Magnesium	E200.7	12/5/2008	0.05	1	0.050	300	mg/L	4792
Potassium	E200.7	12/5/2008	1	1	1.0	18	mg/L	4792
Selenium	E200.7	12/5/2008	0.01	1	0.010	ND	mg/L	4792
Sodium	E200.7	12/5/2008	0.2	100	20	7100	mg/L	4792
Total Organic Carbon	E415.1	12/3/2008	0.5	10	5.0	540	mg/L	R18050
Alkalinity, Total as CaCO3	SM2320 B	12/8/2008	2	1	2.0	1800	mg/L CaCO3	R18083
Iron, Ferrous	SM3500-FE B	12/3/2008	0.1	1	0.10	2.9	mg/L	R18066
Chromium, Hexavalent	SW7199	12/3/2008	0.5	5	2.5	ND	µg/L	R18075
TPH (Diesel-SG)	SW8015B	12/8/2008	0.1	1	0.100	0.965x	mg/L	R18092
Surr: Pentacosane	SW8015B	12/8/2008	0	1	64.2-123	87.0	%REC	R18092

Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). 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: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-2
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 1:30:00 PM

Lab Sample ID: 0812012-002
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
1,1,1-Trichloroethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,1,2,2-Tetrachloroethane	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
1,1,2-Trichloroethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,1-Dichloroethane	SW8260B	12/5/2008	0.5	88	44.0	46.6	µg/L	R18076
1,1-Dichloroethene	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
1,1-Dichloropropene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,2,3-Trichlorobenzene	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
1,2,3-Trichloropropane	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
1,2,4-Trichlorobenzene	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
1,2,4-Trimethylbenzene	SW8260B	12/5/2008	0.5	88	44.0	1200	µg/L	R18076
1,2-Dibromo-3-chloropropane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,2-Dibromoethane (EDB)	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,2-Dichlorobenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,2-Dichloroethane (EDC)	SW8260B	12/5/2008	0.5	88	44.0	468	µg/L	R18076
1,2-Dichloropropane	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
1,3,5-Trimethylbenzene	SW8260B	12/5/2008	0.5	88	44.0	66.9	µg/L	R18076
1,3-Dichlorobenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,3-Dichloropropene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
1,4-Dichlorobenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
2,2-Dichloropropane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
2-Chloroethyl vinyl ether	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
2-Chlorotoluene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
4-Chlorotoluene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
4-Isopropyltoluene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Acetone	SW8260B	12/5/2008	10	88	880	ND	µg/L	R18076
Benzene	SW8260B	12/5/2008	0.5	220	110	20500	µg/L	R18076
Bromobenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Bromochloromethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Bromodichloromethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Bromoform	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
Bromomethane	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
Carbon tetrachloride	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
Chlorobenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Chloroform	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Chloromethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
cis-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
cis-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Dibromochloromethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Dibromomethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Dichlorodifluoromethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Diisopropyl ether (DIPE)	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Ethyl tert-butyl ether (ETBE)	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-2
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 1:30:00 PM

Lab Sample ID: 0812012-002
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	12/5/2008	0.5	88	44.0	1240	µg/L	R18076
Freon-113	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
Hexachlorobutadiene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Isopropylbenzene	SW8260B	12/5/2008	1	88	88.0	ND	µg/L	R18076
Methyl tert-butyl ether (MTBE)	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Methylene chloride	SW8260B	12/5/2008	5	88	440	ND	µg/L	R18076
Naphthalene	SW8260B	12/5/2008	1	88	88.0	196	µg/L	R18076
n-Butylbenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
n-Propylbenzene	SW8260B	12/5/2008	0.5	88	44.0	125	µg/L	R18076
sec-Butylbenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Styrene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
t-Butyl alcohol (t-Butanol)	SW8260B	12/5/2008	5	88	440	ND	µg/L	R18076
tert-Amyl methyl ether (TAME)	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
tert-Butylbenzene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Tetrachloroethene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Toluene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
trans-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
trans-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Trichloroethene	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Trichlorofluoromethane	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Vinyl chloride	SW8260B	12/5/2008	0.5	88	44.0	ND	µg/L	R18076
Xylenes, Total	SW8260B	12/5/2008	1.5	88	132	1180	µg/L	R18076
Surr: Dibromofluoromethane	SW8260B	12/5/2008	0	88	61.2-131	99.3	%REC	R18076
Surr: Dibromofluoromethane	SW8260B	12/5/2008	0	220	61.2-131	102	%REC	R18076
Surr: 4-Bromofluorobenzene	SW8260B	12/5/2008	0	88	64.1-120	97.0	%REC	R18076
Surr: 4-Bromofluorobenzene	SW8260B	12/5/2008	0	220	64.1-120	98.6	%REC	R18076
Surr: Toluene-d8	SW8260B	12/5/2008	0	88	75.1-127	83.3	%REC	R18076
Surr: Toluene-d8	SW8260B	12/5/2008	0	220	75.1-127	96.7	%REC	R18076
TPH (Gasoline)	SW8260B(TPH)	12/5/2008	50	88	4400	53000	µg/L	G18076
Surr: 4-Bromoflurobenzene	SW8260B(TPH)	12/5/2008	0	88	58.4-133	93.4	%REC	G18076

Note: Although TPH as gasoline compounds are present, TPH value mostly due to a individiual peak (benzene) 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: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-3
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 12:10:00 PM

Lab Sample ID: 0812012-003
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	12/4/2008	10	1	10	7700	mg/L	R18068
Arsenic	E200.7	12/5/2008	0.01	1	0.010	ND	mg/L	4792
Barium	E200.7	12/5/2008	0.01	1	0.010	0.14	mg/L	4792
Cadmium	E200.7	12/5/2008	0.005	1	0.0050	ND	mg/L	4792
Calcium	E200.7	12/5/2008	0.1	1	0.10	110	mg/L	4792
Chromium	E200.7	12/5/2008	0.005	1	0.0050	0.057	mg/L	4792
Copper	E200.7	12/5/2008	0.01	1	0.010	0.11	mg/L	4792
Iron	E200.7	12/5/2008	0.05	1	0.050	39	mg/L	4792
Lead	E200.7	12/5/2008	0.005	1	0.0050	0.0060	mg/L	4792
Magnesium	E200.7	12/5/2008	0.05	1	0.050	120	mg/L	4792
Potassium	E200.7	12/5/2008	1	1	1.0	10	mg/L	4792
Selenium	E200.7	12/5/2008	0.01	1	0.010	ND	mg/L	4792
Sodium	E200.7	12/5/2008	0.2	100	20	3300	mg/L	4792
Total Organic Carbon	E415.1	12/3/2008	0.5	1	0.50	16	mg/L	R18050
Alkalinity, Total as CaCO3	SM2320 B	12/8/2008	2	1	2.0	2000	mg/L CaCO3	R18083
Iron, Ferrous	SM3500-FE B	12/3/2008	0.1	1	0.10	ND	mg/L	R18066
Chromium, Hexavalent	SW7199	12/3/2008	0.5	5	2.5	ND	µg/L	R18075
TPH (Diesel-SG)	SW8015B	12/8/2008	0.1	1	0.100	ND	mg/L	R18092
Surr: Pentacosane	SW8015B	12/8/2008	0	1	64.2-123	107	%REC	R18092

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Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-3
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 12:10:00 PM

Lab Sample ID: 0812012-003
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1,1-Trichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1,2,2-Tetrachloroethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1,2-Trichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1-Dichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1-Dichloroethene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2,3-Trichlorobenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,3-Trichloropropane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,4-Trichlorobenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,4-Trimethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dibromo-3-chloropropane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dibromoethane (EDB)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichloroethane (EDC)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichloropropane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,3,5-Trimethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,3-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,4-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
2,2-Dichloropropane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
2-Chloroethyl vinyl ether	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
2-Chlorotoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
4-Chlorotoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
4-Isopropyltoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Acetone	SW8260B	12/5/2008	10	1	10.0	ND	µg/L	R18076
Benzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromochloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromodichloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromoform	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Bromomethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Carbon tetrachloride	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Chlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Chloroform	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Chloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
cis-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
cis-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dibromochloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dibromomethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dichlorodifluoromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Diisopropyl ether (DIPE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Ethyl tert-butyl ether (ETBE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-3
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 12:10:00 PM

Lab Sample ID: 0812012-003
Date Prepared: 11/3/2008-12/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Freon-113	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Hexachlorobutadiene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Isopropylbenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Methyl tert-butyl ether (MTBE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Methylene chloride	SW8260B	12/5/2008	5	1	5.00	ND	µg/L	R18076
Naphthalene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
n-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
n-Propylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
sec-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Styrene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
t-Butyl alcohol (t-Butanol)	SW8260B	12/5/2008	5	1	5.00	ND	µg/L	R18076
tert-Amyl methyl ether (TAME)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
tert-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Tetrachloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Toluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
trans-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
trans-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Trichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Trichlorofluoromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Vinyl chloride	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Xylenes, Total	SW8260B	12/5/2008	1.5	1	1.50	ND	µg/L	R18076
Surr: Dibromofluoromethane	SW8260B	12/5/2008	0	1	61.2-131	98.3	%REC	R18076
Surr: 4-Bromofluorobenzene	SW8260B	12/5/2008	0	1	64.1-120	93.5	%REC	R18076
Surr: Toluene-d8	SW8260B	12/5/2008	0	1	75.1-127	88.9	%REC	R18076
TPH (Gasoline)	SW8260B(TPH)	12/5/2008	50	1	50	ND	µg/L	G18076
Surr: 4-Bromoflurobenzene	SW8260B(TPH)	12/5/2008	0	1	58.4-133	73.7	%REC	G18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-4
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 2:30:00 PM

Lab Sample ID: 0812012-004
Date Prepared: 12/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/8/2008	0.1	1	0.100	ND	mg/L	R18092
Surr: Pentacosane	SW8015B	12/8/2008	0	1	64.2-123	105	%REC	R18092

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-4
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 2:30:00 PM

Lab Sample ID: 0812012-004
Date Prepared: 12/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1,1-Trichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1,2,2-Tetrachloroethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1,2-Trichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1-Dichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1-Dichloroethene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2,3-Trichlorobenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,3-Trichloropropane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,4-Trichlorobenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,4-Trimethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dibromo-3-chloropropane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dibromoethane (EDB)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichloroethane (EDC)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichloropropane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,3,5-Trimethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,3-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,4-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
2,2-Dichloropropane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
2-Chloroethyl vinyl ether	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
2-Chlorotoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
4-Chlorotoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
4-Isopropyltoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Acetone	SW8260B	12/5/2008	10	1	10.0	ND	µg/L	R18076
Benzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromochloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromodichloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromoform	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Bromomethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Carbon tetrachloride	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Chlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Chloroform	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Chloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
cis-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
cis-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dibromochloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dibromomethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dichlorodifluoromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Diisopropyl ether (DIPE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Ethyl tert-butyl ether (ETBE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-4
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 2:30:00 PM

Lab Sample ID: 0812012-004
Date Prepared: 12/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Freon-113	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Hexachlorobutadiene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Isopropylbenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Methyl tert-butyl ether (MTBE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Methylene chloride	SW8260B	12/5/2008	5	1	5.00	ND	µg/L	R18076
Naphthalene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
n-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
n-Propylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
sec-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Styrene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
t-Butyl alcohol (t-Butanol)	SW8260B	12/5/2008	5	1	5.00	ND	µg/L	R18076
tert-Amyl methyl ether (TAME)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
tert-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Tetrachloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Toluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
trans-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
trans-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Trichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Trichlorofluoromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Vinyl chloride	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Xylenes, Total	SW8260B	12/5/2008	1.5	1	1.50	ND	µg/L	R18076
Surr: Dibromofluoromethane	SW8260B	12/5/2008	0	1	61.2-131	104	%REC	R18076
Surr: 4-Bromofluorobenzene	SW8260B	12/5/2008	0	1	64.1-120	89.8	%REC	R18076
Surr: Toluene-d8	SW8260B	12/5/2008	0	1	75.1-127	88.7	%REC	R18076
TPH (Gasoline)	SW8260B(TPH)	12/5/2008	50	1	50	ND	µg/L	G18076
Surr: 4-Bromofilurobenzene	SW8260B(TPH)	12/5/2008	0	1	58.4-133	90.7	%REC	G18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-5
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 1:00:00 PM

Lab Sample ID: 0812012-005
Date Prepared: 12/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/8/2008	0.1	1	0.100	ND	mg/L	R18092
Surr: Pentacosane	SW8015B	12/8/2008	0	1	64.2-123	116	%REC	R18092

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-5
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 1:00:00 PM

Lab Sample ID: 0812012-005
Date Prepared: 12/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1,1-Trichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1,2,2-Tetrachloroethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1,2-Trichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1-Dichloroethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,1-Dichloroethene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,1-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2,3-Trichlorobenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,3-Trichloropropane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,4-Trichlorobenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,2,4-Trimethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dibromo-3-chloropropane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dibromoethane (EDB)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichloroethane (EDC)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,2-Dichloropropane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
1,3,5-Trimethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,3-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
1,4-Dichlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
2,2-Dichloropropane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
2-Chloroethyl vinyl ether	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
2-Chlorotoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
4-Chlorotoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
4-Isopropyltoluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Acetone	SW8260B	12/5/2008	10	1	10.0	ND	µg/L	R18076
Benzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromochloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromodichloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Bromoform	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Bromomethane	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Carbon tetrachloride	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Chlorobenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Chloroform	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Chloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
cis-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
cis-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dibromochloromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dibromomethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Dichlorodifluoromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Diisopropyl ether (DIPE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Ethyl tert-butyl ether (ETBE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-5
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/1/2008 1:00:00 PM

Lab Sample ID: 0812012-005
Date Prepared: 12/5/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Freon-113	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Hexachlorobutadiene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Isopropylbenzene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
Methyl tert-butyl ether (MTBE)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Methylene chloride	SW8260B	12/5/2008	5	1	5.00	ND	µg/L	R18076
Naphthalene	SW8260B	12/5/2008	1	1	1.00	ND	µg/L	R18076
n-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
n-Propylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
sec-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Styrene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
t-Butyl alcohol (t-Butanol)	SW8260B	12/5/2008	5	1	5.00	ND	µg/L	R18076
tert-Amyl methyl ether (TAME)	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
tert-Butylbenzene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Tetrachloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Toluene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
trans-1,2-Dichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
trans-1,3-Dichloropropene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Trichloroethene	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Trichlorofluoromethane	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Vinyl chloride	SW8260B	12/5/2008	0.5	1	0.50	ND	µg/L	R18076
Xylenes, Total	SW8260B	12/5/2008	1.5	1	1.50	ND	µg/L	R18076
Surr: Dibromofluoromethane	SW8260B	12/5/2008	0	1	61.2-131	97.9	%REC	R18076
Surr: 4-Bromofluorobenzene	SW8260B	12/5/2008	0	1	64.1-120	87.3	%REC	R18076
Surr: Toluene-d8	SW8260B	12/5/2008	0	1	75.1-127	92.3	%REC	R18076
TPH (Gasoline)	SW8260B(TPH)	12/5/2008	50	1	50	ND	µg/L	G18076
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/5/2008	0	1	58.4-133	92.1	%REC	G18076

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-DUP
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 1:45:00 PM

Lab Sample ID: 0812012-006
Date Prepared: 12/7/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/8/2008	0.1	1	0.100	0.696x	mg/L	R18092
Surr: Pentacosane	SW8015B	12/8/2008	0	1	64.2-123	68.0	%REC	R18092

Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). 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: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-DUP
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 1:45:00 PM

Lab Sample ID: 0812012-006
Date Prepared: 12/7/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
1,1,1-Trichloroethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,1,2,2-Tetrachloroethane	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
1,1,2-Trichloroethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,1-Dichloroethane	SW8260B	12/7/2008	0.5	88	44.0	63.4	µg/L	R18078
1,1-Dichloroethene	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
1,1-Dichloropropene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,2,3-Trichlorobenzene	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
1,2,3-Trichloropropane	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
1,2,4-Trichlorobenzene	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
1,2,4-Trimethylbenzene	SW8260B	12/7/2008	0.5	88	44.0	1280	µg/L	R18078
1,2-Dibromo-3-chloropropane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,2-Dibromoethane (EDB)	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,2-Dichlorobenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,2-Dichloroethane (EDC)	SW8260B	12/7/2008	0.5	88	44.0	611	µg/L	R18078
1,2-Dichloropropane	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
1,3,5-Trimethylbenzene	SW8260B	12/7/2008	0.5	88	44.0	77.4	µg/L	R18078
1,3-Dichlorobenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,3-Dichloropropene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
1,4-Dichlorobenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
2,2-Dichloropropane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
2-Chloroethyl vinyl ether	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
2-Chlorotoluene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
4-Chlorotoluene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
4-Isopropyltoluene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Acetone	SW8260B	12/7/2008	10	88	880	ND	µg/L	R18078
Benzene	SW8260B	12/7/2008	0.5	220	110	10300	µg/L	R18078
Bromobenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Bromochloromethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Bromodichloromethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Bromoform	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
Bromomethane	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
Carbon tetrachloride	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
Chlorobenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Chloroform	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Chloromethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
cis-1,2-Dichloroethene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
cis-1,3-Dichloropropene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Dibromochloromethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Dibromomethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Dichlorodifluoromethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Diisopropyl ether (DIPE)	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Ethyl tert-butyl ether (ETBE)	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 12/2/2008
Date Reported: 12/10/2008

Client Sample ID: MW-DUP
Sample Location: Independent Road
Sample Matrix: WATER
Date/Time Sampled 12/2/2008 1:45:00 PM

Lab Sample ID: 0812012-006
Date Prepared: 12/7/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	12/7/2008	0.5	88	44.0	1330	µg/L	R18078
Freon-113	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
Hexachlorobutadiene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Isopropylbenzene	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
Methyl tert-butyl ether (MTBE)	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Methylene chloride	SW8260B	12/7/2008	5	88	440	ND	µg/L	R18078
Naphthalene	SW8260B	12/7/2008	1	88	88.0	ND	µg/L	R18078
n-Butylbenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
n-Propylbenzene	SW8260B	12/7/2008	0.5	88	44.0	136	µg/L	R18078
sec-Butylbenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Styrene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
t-Butyl alcohol (t-Butanol)	SW8260B	12/7/2008	5	88	440	ND	µg/L	R18078
tert-Amyl methyl ether (TAME)	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
tert-Butylbenzene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Tetrachloroethene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Toluene	SW8260B	12/7/2008	0.5	88	44.0	55.4	µg/L	R18078
trans-1,2-Dichloroethene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
trans-1,3-Dichloropropene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Trichloroethene	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Trichlorofluoromethane	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Vinyl chloride	SW8260B	12/7/2008	0.5	88	44.0	ND	µg/L	R18078
Xylenes, Total	SW8260B	12/7/2008	1.5	88	132	1550	µg/L	R18078
Surr: Dibromofluoromethane	SW8260B	12/7/2008	0	88	61.2-131	107	%REC	R18078
Surr: Dibromofluoromethane	SW8260B	12/7/2008	0	220	61.2-131	114	%REC	R18078
Surr: 4-Bromofluorobenzene	SW8260B	12/7/2008	0	88	64.1-120	105	%REC	R18078
Surr: 4-Bromofluorobenzene	SW8260B	12/7/2008	0	220	64.1-120	118	%REC	R18078
Surr: Toluene-d8	SW8260B	12/7/2008	0	88	75.1-127	95.0	%REC	R18078
Surr: Toluene-d8	SW8260B	12/7/2008	0	220	75.1-127	92.7	%REC	R18078
TPH (Gasoline)	SW8260B(TPH)	12/8/2008	50	88	4400	44000	µg/L	G18078
Surr: 4-Bromoflurobenzene	SW8260B(TPH)	12/8/2008	0	88	58.4-133	82.4	%REC	G18078

Note: Although TPH as gasoline compounds are present, TPH value mostly due to a individiual peak (benzene) within range of C5-C12 quantified as gasoline.

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

Torrent Laboratory, Inc.

Date: *10-Dec-08*

CLIENT: KLEINFELDER
Work Order: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: 4792

Sample ID	MB-4792	SampType:	MBLK	TestCode:	200.7	Units:	mg/L	Prep Date:	12/4/2008	RunNo:	18069
Client ID:	ZZZZZ	Batch ID:	4792	TestNo:	E200.7		(E200.7/SW3	Analysis Date:	12/5/2008	SeqNo:	259693

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.010									
Barium	ND	0.010									
Cadmium	ND	0.0050									
Calcium	ND	0.10									
Chromium	ND	0.0050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.0050									
Magnesium	ND	0.050									
Potassium	ND	1.0									
Selenium	ND	0.010									
Sodium	ND	0.20									

Sample ID	LCS-4792	SampType:	LCS	TestCode:	200.7	Units:	mg/L	Prep Date:	12/4/2008	RunNo:	18069
Client ID:	ZZZZZ	Batch ID:	4792	TestNo:	E200.7		(E200.7/SW3	Analysis Date:	12/5/2008	SeqNo:	259691

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.060	0.010	1	0	106	80	120				
Barium	1.039	0.010	1	0	104	80	120				
Cadmium	1.019	0.0050	1	0	102	80	120				
Calcium	10.66	0.10	10	0.0193	106	80	120				
Chromium	1.038	0.0050	1	0	104	80	120				
Copper	1.036	0.010	1	0	104	80	120				
Iron	10.15	0.050	10	0.0067	101	80	120				
Lead	1.016	0.0050	1	0	102	80	120				
Magnesium	10.56	0.050	10	0.0074	106	80	120				
Potassium	10.86	1.0	10	0.0029	109	80	120				
Selenium	0.9750	0.010	1	0	97.5	80	120				
Sodium	10.79	0.20	10	0.018	108	80	120				

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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: 4792

Sample ID	LCSD-4792	SampType:	LCSD	TestCode:	200.7	Units:	mg/L	Prep Date:	12/4/2008	RunNo:	18069
Client ID:	ZZZZZ	Batch ID:	4792	TestNo:	E200.7		(E200.7/SW3	Analysis Date:	12/5/2008	SeqNo:	259692

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.049	0.010	1	0	105	80	120	1.06	1.04	20	
Barium	1.022	0.010	1	0	102	80	120	1.039	1.65	20	
Cadmium	1.008	0.0050	1	0	101	80	120	1.019	1.09	20	
Calcium	10.24	0.10	10	0.0193	102	80	120	10.66	4.02	20	
Chromium	1.024	0.0050	1	0	102	80	120	1.038	1.36	20	
Copper	1.026	0.010	1	0	103	80	120	1.036	0.970	20	
Iron	10.08	0.050	10	0.0067	101	80	120	10.15	0.692	20	
Lead	1.009	0.0050	1	0	101	80	120	1.016	0.691	20	
Magnesium	10.18	0.050	10	0.0074	102	80	120	10.56	3.66	20	
Potassium	9.985	1.0	10	0.0029	99.8	80	120	10.86	8.40	20	
Selenium	0.9710	0.010	1	0	97.1	80	120	0.975	0.411	20	
Sodium	10.22	0.20	10	0.018	102	80	120	10.79	5.43	20	

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G18076

Sample ID	MB_G18076	SampType:	MBLK	TestCode:	TPH_GAS_W	Units:	µg/L	Prep Date:	12/5/2008	RunNo:	18076
Client ID:	ZZZZZ	Batch ID:	G18076	TestNo:	SW8260B(TP			Analysis Date:	12/5/2008	SeqNo:	259805

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	7.300	0	11.36	0	64.3	58.4	133				

Sample ID	LCS_G18076	SampType:	LCS	TestCode:	TPH_GAS_W	Units:	µg/L	Prep Date:	12/5/2008	RunNo:	18076
Client ID:	ZZZZZ	Batch ID:	G18076	TestNo:	SW8260B(TP			Analysis Date:	12/5/2008	SeqNo:	259806

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	194.0	50	227	0	85.5	52.4	127				
Surr: 4-Bromofllurobenzene	8.850	0	11.36	0	77.9	58.4	133				

Sample ID	LCSD_G18076	SampType:	LCSD	TestCode:	TPH_GAS_W	Units:	µg/L	Prep Date:	12/6/2008	RunNo:	18076
Client ID:	ZZZZZ	Batch ID:	G18076	TestNo:	SW8260B(TP			Analysis Date:	12/6/2008	SeqNo:	259807

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	188.0	50	227	0	82.8	52.4	127	194	3.14	20	
Surr: 4-Bromofllurobenzene	11.02	0	11.36	0	97.0	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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: G18078

Sample ID MB_G18078	SampType: MBLK	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 12/8/2008	RunNo: 18078
Client ID: ZZZZZ	Batch ID: G18078	TestNo: SW8260B(TP		Analysis Date: 12/8/2008	SeqNo: 259828

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	8.940	0	11.36	0	78.7	58.4	133				

Sample ID LCS_G18078	SampType: LCS	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 12/8/2008	RunNo: 18078
Client ID: ZZZZZ	Batch ID: G18078	TestNo: SW8260B(TP		Analysis Date: 12/8/2008	SeqNo: 259829

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	192.0	50	227	23	74.4	52.4	127				
Surr: 4-Bromofllurobenzene	8.530	0	11.36	0	75.1	58.4	133				

Sample ID LCSD_G18078	SampType: LCSD	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 12/8/2008	RunNo: 18078
Client ID: ZZZZZ	Batch ID: G18078	TestNo: SW8260B(TP		Analysis Date: 12/8/2008	SeqNo: 259830

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	229.0	50	227	23	90.7	52.4	127	192	17.6	20	
Surr: 4-Bromofllurobenzene	11.65	0	11.36	0	103	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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18050

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **TOC_W**	Units: **mg/L**	Prep Date:	RunNo: **18050**
Client ID: **ZZZZZ**	Batch ID: **R18050**	TestNo: **E415.1**		Analysis Date: **12/3/2008**	SeqNo: **259441**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	ND	0.50									

Sample ID **LCS**	SampType: **LCS**	TestCode: **TOC_W**	Units: **mg/L**	Prep Date:	RunNo: **18050**
Client ID: **ZZZZZ**	Batch ID: **R18050**	TestNo: **E415.1**		Analysis Date: **12/3/2008**	SeqNo: **259439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	10.35	0.50	10	0	104	80	120				

Sample ID **LCSD**	SampType: **LCSD**	TestCode: **TOC_W**	Units: **mg/L**	Prep Date:	RunNo: **18050**
Client ID: **ZZZZZ**	Batch ID: **R18050**	TestNo: **E415.1**		Analysis Date: **12/3/2008**	SeqNo: **259440**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	10.75	0.50	10	0	108	80	120	10.35	3.79	20	

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18066

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **FERROUS IR**	Units: **mg/L**	Prep Date:	RunNo: **18066**
Client ID: **ZZZZZ**	Batch ID: **R18066**	TestNo: **SM3500-FE B**		Analysis Date: **12/3/2008**	SeqNo: **259679**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron, Ferrous	ND	0.10									

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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18068

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **TDS_W**	Units: **mg/L**	Prep Date:	RunNo: **18068**
Client ID: **ZZZZZ**	Batch ID: **R18068**	TestNo: **E160.1**		Analysis Date: **12/4/2008**	SeqNo: **259683**

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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18075

Sample ID MBLK	SampType: MBLK	TestCode: CR(VI)_W_LL	Units: µg/L	Prep Date: 11/3/2008	RunNo: 18075
Client ID: ZZZZZ	Batch ID: R18075	TestNo: SW7199		Analysis Date: 12/3/2008	SeqNo: 259771

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.50									

Sample ID LCS	SampType: LCS	TestCode: CR(VI)_W_LL	Units: µg/L	Prep Date: 11/3/2008	RunNo: 18075
Client ID: ZZZZZ	Batch ID: R18075	TestNo: SW7199		Analysis Date: 12/3/2008	SeqNo: 259769

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	10.09	0.50	10	0	101	85	115				

Sample ID LCSD	SampType: LCSD	TestCode: CR(VI)_W_LL	Units: µg/L	Prep Date: 11/3/2008	RunNo: 18075
Client ID: ZZZZZ	Batch ID: R18075	TestNo: SW7199		Analysis Date: 12/3/2008	SeqNo: 259770

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	10.18	0.50	10	0	102	85	115	10.09	0.918	20	

Sample ID 0812012-001AMS	SampType: MS	TestCode: CR(VI)_W_LL	Units: µg/L	Prep Date: 11/3/2008	RunNo: 18075
Client ID: MW-1	Batch ID: R18075	TestNo: SW7199		Analysis Date: 12/3/2008	SeqNo: 259765

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	46.52	2.5	50	0	93.0	85	115				

Sample ID 0812012-001AMSD	SampType: MSD	TestCode: CR(VI)_W_LL	Units: µg/L	Prep Date: 11/3/2008	RunNo: 18075
Client ID: MW-1	Batch ID: R18075	TestNo: SW7199		Analysis Date: 12/3/2008	SeqNo: 259766

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	49.84	2.5	50	0	99.7	85	115	46.52	6.91	20	

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18076

Sample ID **MB_R18076**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **12/5/2008**	RunNo: **18076**		
Client ID: **ZZZZZ**	Batch ID: **R18076**	TestNo: **SW8260B**		Analysis Date: **12/5/2008**	SeqNo: **259792**		

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	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
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	1.00									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
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									
Bromomethane	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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18076

Sample ID **MB_R18076**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **12/5/2008**	RunNo: **18076**
Client ID: **ZZZZZ**	Batch ID: **R18076**	TestNo: **SW8260B**		Analysis Date: **12/5/2008**	SeqNo: **259792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	1.00									
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									
Diisopropyl ether (DIPE)	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
Freon-113	ND	1.00									
Hexachlorobutadiene	ND	0.500									
Isopropylbenzene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	0.500									
Methylene chloride	ND	5.00									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
Trichloroethene	ND	0.500									
Trichlorofluoromethane	ND	0.500									

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18076

Sample ID MB_R18076	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/5/2008	RunNo: 18076
Client ID: ZZZZZ	Batch ID: R18076	TestNo: SW8260B		Analysis Date: 12/5/2008	SeqNo: 259792

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	12.58	0	11.36	0	111	61.2	131				
Surr: 4-Bromofluorobenzene	10.97	0	11.36	0	96.6	64.1	120				
Surr: Toluene-d8	9.980	0	11.36	0	87.9	75.1	127				

Sample ID LCS_R18076	SampType: LCS	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/5/2008	RunNo: 18076
Client ID: ZZZZZ	Batch ID: R18076	TestNo: SW8260B		Analysis Date: 12/5/2008	SeqNo: 259793

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.48	1.00	17.04	0	96.7	61.4	129				
Benzene	16.37	0.500	17.04	0	96.1	66.9	140				
Chlorobenzene	19.78	0.500	17.04	0	116	73.9	137				
Toluene	16.34	0.500	17.04	0	95.9	76.6	123				
Trichloroethene	16.02	0.500	17.04	0	94.0	69.3	144				
Surr: Dibromofluoromethane	11.54	0	11.36	0	102	61.2	131				
Surr: 4-Bromofluorobenzene	11.44	0	11.36	0	101	64.1	120				
Surr: Toluene-d8	10.27	0	11.36	0	90.4	75.1	127				

Sample ID LCSD_R18076	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/6/2008	RunNo: 18076
Client ID: ZZZZZ	Batch ID: R18076	TestNo: SW8260B		Analysis Date: 12/6/2008	SeqNo: 259794

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.51	1.00	17.04	0	103	61.4	129	16.48	6.06	20	
Benzene	18.75	0.500	17.04	0	110	66.9	140	16.37	13.6	20	
Chlorobenzene	19.39	0.500	17.04	0	114	73.9	137	19.78	1.99	20	
Toluene	15.09	0.500	17.04	0	88.6	76.6	123	16.34	7.95	20	
Trichloroethene	17.56	0.500	17.04	0	103	69.3	144	16.02	9.17	20	
Surr: Dibromofluoromethane	11.79	0	11.36	0	104	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	12.06	0	11.36	0	106	64.1	120	0	0	0	
Surr: Toluene-d8	10.33	0	11.36	0	90.9	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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18078

Sample ID **MB_R18078**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **12/7/2008**	RunNo: **18078**						
Client ID: **ZZZZZ**	Batch ID: **R18078**	TestNo: **SW8260B**		Analysis Date: **12/7/2008**	SeqNo: **259823**						
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	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
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	1.00									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
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									
Bromomethane	ND	1.00									

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

CLIENT: KLEINFELDER
Work Order: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18078

Sample ID **MB_R18078**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **12/7/2008**	RunNo: **18078**
Client ID: **ZZZZZ**	Batch ID: **R18078**	TestNo: **SW8260B**		Analysis Date: **12/7/2008**	SeqNo: **259823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	1.00									
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									
Diisopropyl ether (DIPE)	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
Freon-113	ND	1.00									
Hexachlorobutadiene	ND	0.500									
Isopropylbenzene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	0.500									
Methylene chloride	ND	5.00									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
Trichloroethene	ND	0.500									
Trichlorofluoromethane	ND	0.500									

Qualifiers:
E Value above quantitation range
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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18078

Sample ID MB_R18078	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/7/2008	RunNo: 18078
Client ID: ZZZZZ	Batch ID: R18078	TestNo: SW8260B		Analysis Date: 12/7/2008	SeqNo: 259823

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	10.55	0	11.36	0	92.9	61.2	131				
Surr: 4-Bromofluorobenzene	11.96	0	11.36	0	105	64.1	120				
Surr: Toluene-d8	10.47	0	11.36	0	92.2	75.1	127				

Sample ID LCS_R18078	SampType: LCS	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/7/2008	RunNo: 18078
Client ID: ZZZZZ	Batch ID: R18078	TestNo: SW8260B		Analysis Date: 12/7/2008	SeqNo: 259824

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.67	1.00	17.04	0	110	61.4	129				
Benzene	19.30	0.500	17.04	0	113	66.9	140				
Chlorobenzene	16.23	0.500	17.04	0	95.2	73.9	137				
Toluene	18.04	0.500	17.04	0	106	76.6	123				
Trichloroethene	18.95	0.500	17.04	0	111	69.3	144				
Surr: Dibromofluoromethane	11.13	0	11.36	0	98.0	61.2	131				
Surr: 4-Bromofluorobenzene	10.19	0	11.36	0	89.7	64.1	120				
Surr: Toluene-d8	10.05	0	11.36	0	88.5	75.1	127				

Sample ID LCSD_R18078	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 12/7/2008	RunNo: 18078
Client ID: ZZZZZ	Batch ID: R18078	TestNo: SW8260B		Analysis Date: 12/7/2008	SeqNo: 259825

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	16.97	1.00	17.04	0	99.6	61.4	129	18.67	9.54	20	
Benzene	17.27	0.500	17.04	0	101	66.9	140	19.3	11.1	20	
Chlorobenzene	18.25	0.500	17.04	0	107	73.9	137	16.23	11.7	20	
Toluene	15.53	0.500	17.04	0	91.1	76.6	123	18.04	15.0	20	
Trichloroethene	16.55	0.500	17.04	0	97.1	69.3	144	18.95	13.5	20	
Surr: Dibromofluoromethane	11.01	0	11.36	0	96.9	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	13.18	0	11.36	0	116	64.1	120	0	0	0	
Surr: Toluene-d8	10.92	0	11.36	0	96.1	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

CLIENT: KLEINFELDER
Work Order: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18083

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **Alk_(SM2320**	Units: **mg/L CaCO3**	Prep Date:	RunNo: **18083**
Client ID: **ZZZZZ**	Batch ID: **R18083**	TestNo: **SM2320 B**		Analysis Date: **12/8/2008**	SeqNo: **259866**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	2.000	2.0									

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: 0812012
Project: 54504

ANALYTICAL QC SUMMARY REPORT

BatchID: R18092

Sample ID WDSG081205A-MB	SampType: MBLK	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 12/5/2008	RunNo: 18092
Client ID: ZZZZZ	Batch ID: R18092	TestNo: SW8015B		Analysis Date: 12/8/2008	SeqNo: 259943

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.100									
Surr: Pentacosane	0.09700	0	0.1	0	97.0	64.2	123				

Sample ID WDSG081205A-LCS	SampType: LCS	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 12/5/2008	RunNo: 18092
Client ID: ZZZZZ	Batch ID: R18092	TestNo: SW8015B		Analysis Date: 12/8/2008	SeqNo: 259944

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.5670	0.100	1	0	56.7	34.5	95.6				
Surr: Pentacosane	0.09700	0	0.1	0	97.0	64.2	123				

Sample ID WDSG081205A-LCS	SampType: LCSD	TestCode: TPHDSG_W	Units: mg/L	Prep Date: 12/5/2008	RunNo: 18092
Client ID: ZZZZZ	Batch ID: R18092	TestNo: SW8015B		Analysis Date: 12/8/2008	SeqNo: 259945

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.5700	0.100	1	0	57.0	34.5	95.6	0.567	0.528	30	
Surr: Pentacosane	0.09800	0	0.1	0	98.0	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