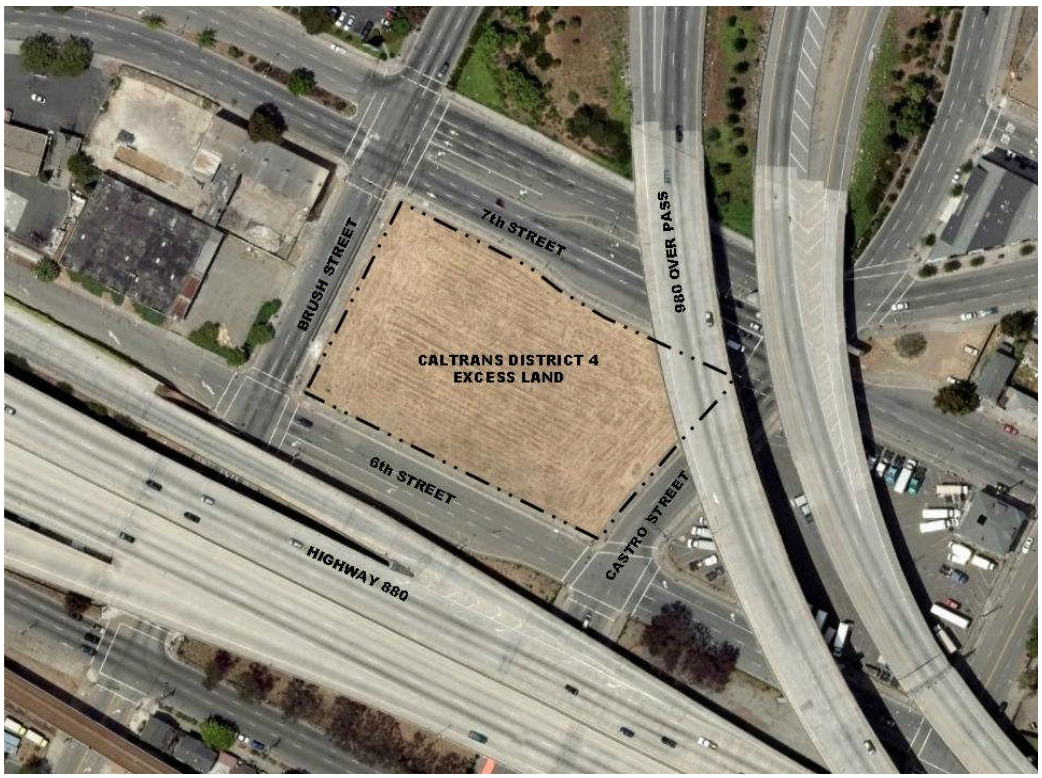
FIRST QUARTER 2009
GROUNDWATER MONITORING REPORT
CALTRANS PROPERTY
SIXTH STREET AND CASTRO STREET
OAKLAND, CALIFORNIA



KLEINFELDER

June 8, 2009

A Report Prepared for:

California Department of Transportation
Consultant Services Unit, District 4
111 Grand Avenue
Oakland, CA 94623-0660

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GROUNDWATER MONITORING REPORT
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OAKLAND, CALIFORNIA

Project No. 95539/4

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June 8, 2009

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1.0 INTRODUCTION

This report describes the First Quarter 2009 groundwater monitoring activities for the Caltrans property located on the northwest corner of Sixth Street and Castro Street in Oakland, California (the site). Plate 1 shows a site vicinity map and Plate 2 a site map. The work described herein was performed by Kleinfelder for the California Department of Transportation (Caltrans) in response to Work Order Number 4 issued by Caltrans on June 15, 2008.

Kleinfelder performed the following field tasks:

- Collection of groundwater samples from the seven existing monitoring wells. The groundwater samples were analyzed for total petroleum hydrocarbon and volatile organic compounds (VOCs);
- Measurement of groundwater levels in the seven monitoring wells; and
- Containment of the purge water generated during groundwater sampling.

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

This Caltrans-owned site is located in Oakland, California and is bordered to the north by Seventh Street, to the south by Sixth Street, to the west by Brush Street, and to the east by Castro Street. The site is approximately 1.6 acres in size. The Site Assessors Parcel Number (APN) is 1-221-14-1. The site was historically used for residential and commercial purposes, dating back to at least 1936. The site is located in an area of commercial land use, which is relatively flat and at an elevation of approximately 20 feet above mean sea level.

The State of California acquired the site between July 1, 1969 and March 30, 1971. Since that time, Caltrans has owned and maintained the site. In approximately 1973, the buildings that occupied the site were demolished with the exception of the residence at 722 Sixth Street. Prior to the demolition of the buildings, the site was subdivided into lots. The lots were used for a gasoline retail and auto repair station, a machine shop, a dairy, a laundry facility, a materials warehouse, residences, and retail stores.

2.2 PREVIOUS INVESTIGATIONS

Previous environmental work at the site includes a Phase I Environmental Site Assessment (ESA), a geophysical survey, and multiple subsequent subsurface investigations.

2.2.1 Initial Investigations

According to information provided in a Phase I ESA Report prepared by Engeo Incorporated (Engeo, 1993), at least four underground storage tanks (USTs) were installed at the site. The former USTs were utilized by the service station, warehouse, and dairy. Engeo made various recommendations in the Phase I ESA, including a subsurface investigation and a geophysical survey.

In January 1971, the Oakland Fire Department issued a permit to Caltrans for the removal of three on-site USTs: one 10,000-, one 7,500-, and one 5,000-gallon UST.

In 1987, ERM-West compiled a site history and identified the former businesses with potential environmental concern on the site (ERM-West, 2001). This included the gas station, a dairy and a commercial warehouse. ERM-West conducted a soil and groundwater study in which seven boreholes were advanced (Plate 2). The results of this investigation indicated low concentrations of ethylbenzene, toluene, and xylene in four soil samples. Low concentrations of ethylbenzene, toluene, xylenes, hydrocarbons, and other aliphatic and alicyclic compounds were detected in one groundwater sample.

On July 21, 1995 a geophysical survey was conducted at the site by Norcal Geophysical Consultants Inc. (Norcal, 1995). Five anomalies, A through E, were identified during the geophysical survey. Just north of the storm drain, a buried object, thought to be a large nonmetallic pipe or possibly a nonferrous tank, was identified. Norcal estimated the depth of this object to be approximately two to three feet bgs.

2.2.2 Subsequent Subsurface Investigations

In October 1995, Geocon advanced seven borings at the site (Plate 2). Surface and subsurface soil samples were analyzed for total lead, metals, and oil and grease (Geocon, 1995). Groundwater samples were collected from two of the borings and were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), and for benzene, toluene, ethylbenzene, and xylenes (BTEX). Lead and oil & grease were reported in subsurface soil. Relatively low concentrations of metals were reported in surface and subsurface soil at the site.

In 1996, International Technology Corporation (ITC) advanced 11 borings, and collected soil samples at multiple depths that were analyzed for TPH-g, TPH-d, oil and grease, and BTEX (ITC, 1996). The majority of analytes tested for were not detected at or above the laboratory detection limit. Soil and groundwater from one boring location contained elevated concentrations of petroleum hydrocarbons and associated constituents.

In 1999, PSI advanced 11 soil borings and installed three groundwater monitoring wells at the site (PSI, 2001). Soil boring locations corresponded, approximately, to ITC's soil boring locations (Plate 2). The laboratory analysis of soil samples indicated that elevated concentrations of oil and grease and lead were present throughout the site, especially in subsurface soil. From 1999 to 2001 PSI conducted groundwater monitoring in three wells, MW-1, MW-2, and MW-3. Groundwater samples were analyzed for TPH-g, TPH-d, TPH-motor oil (TPH-mo), oil and grease, BTEX, VOCs, and lead. For seven quarters, analytes tested in MW-1 and MW-3 contained either relatively low concentrations or analytes were not detected above laboratory reporting limits. Monitoring well MW-2 exhibited elevated concentrations of TPH-g, BTEX, and VOCs.

In November 2001, IRIS Environmental conducted an investigation on the site and on two adjacent parcels also owned by Caltrans for the Port of Oakland (Caltrans, 2002). TPH-mo, TPH-g, TPH-d, and lead were detected in soil samples from multiple locations. TPH-g, ethylbenzene, toluene, and xylene were reported in most groundwater samples.

2.2.3 Kleinfelder Investigation

In September 2008 Kleinfelder conducted a site investigation, in accordance with Work Order Number 4 issued by Caltrans on June 15, 2008. Kleinfelder performed exploratory excavation, advanced five borings (DP-1 through DP-5) for subsurface soil sample collection, installed four groundwater monitoring wells (MW-4 through MW-7), and collected soil and groundwater samples for analysis. Analytical results were used to assess the extent of petroleum-related compounds in soil and groundwater and to recommend further remedial action at the site, as necessary. The purpose of the investigation was also to address anomalies identified in a previous geophysical survey performed at the site. Locations of investigation points are shown on Plate 2. Results of the Kleinfelder investigation were summarized in a Site Investigation report dated April 24, 2009 (Kleinfelder, 2009)

In Kleinfelder's opinion, the hydrocarbons detected in soil and groundwater from boring DP-5 and groundwater from monitoring well MW-2 originated from a former service and gas station that previously occupied the western corner of the site.

Based on the results of this site investigation and on Kleinfelder's review of previous reports provided by Caltrans, it was Kleinfelder's opinion that the impacted soil and groundwater appeared to be limited to the area of the former service & gas station located at the western corner of the site.

3.0 FIELD ACTIVITIES

This section summarizes the groundwater monitoring activities performed at the site in the first quarter of 2009.

3.1 GROUNDWATER MONITORING ACTIVITIES

The first quarter 2009 groundwater monitoring event took place on March 19 and 20, 2009. Prior to monitoring activities, field instrumentation was checked and calibrated.

3.1.1 Water Level Measurements

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

3.1.2 Groundwater Sample Collection

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

After purging, groundwater from each monitoring well was collected using a 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 the 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 first quarter 2009 groundwater monitoring event. Samples were analyzed for the following parameters:

- TPH-d, using Environmental Protection Agency (EPA) Method 8015M,
- VOCs, including fuel oxygenates, and TPH-g, using EPA Method 8260B, and

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 containerized onsite in one United States Department of Transportation (DOT)-approved 55-gallon drum. Prior to use, the drum was inspected for physical integrity and condition, and was left onsite with an appropriate label identifying the waste source location, physical contents, date, and generator's name.

4.0 SUMMARY OF RESULTS

This section summarizes the water-level measurements and groundwater chemical analysis results. Table 1 provides monitoring well construction details. Plate 2 shows the location of the monitoring wells.

4.1 GROUNDWATER LEVELS

On March 19, 2009 the depth to groundwater below the top of casings ranged from 14.15 to 19.65 feet. Groundwater surface elevations ranged from 9.84 to 10.47 feet (NAVD 1988) (Table 2). Since December 22, 2009, the last time Kleinfelder measured water levels, the groundwater surface elevations rose by 1.37 to 1.47 feet. This change likely reflects seasonal recharge from precipitation.

The water-level measurements were used to estimate groundwater surface elevation contours (Plate 2). Based on the March 19, 2009 depth to groundwater data, groundwater beneath the site was estimated to flow to the southwest, with an approximate 0.003-ft/ft hydraulic gradient. The first quarter 2009 flow direction is similar to that found in September and December of 2008. The hydraulic gradient is also about the same as found previously in September and December 2008.

4.2 GROUNDWATER SAMPLE RESULTS

Groundwater samples from wells MW-2, MW-3, MW-4, and MW-5 were collected on March 19 and samples from wells MW-1, MW-6 and MW-7 were collected on March 20, 2009. All of the samples were analyzed for TPH-g, TPH-d, VOCs including fuel oxygenates, and total dissolved solids (TDS). Certified analytical laboratory reports are included in Appendix B.

4.2.1 Purge Characteristic Data

Prior to sample collection, the wells were purged to allow the inflow of water from the water bearing zones. Temperature, pH and electrical conductivity (EC) were measured during purging. Table 3 provides final groundwater purge data obtained prior to collecting the samples in March 2009.

4.2.2 Total Petroleum Hydrocarbons and Volatile Organics

4.2.2.1 Environmental Screening Levels

The San Francisco Bay Regional Water Quality Control Board (RWQCB) developed Environmental Screening Levels (ESLs) to be used as initial indicators of potential impacts to human health or the environment. Kleinfelder compared the concentrations of each reported compound to its respective lowest ESL, presented in the RWQCB's guidance document *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (Interim Final – November 2007, revised May 2008). Kleinfelder references the ESLs for groundwater where groundwater is a current or potential source of drinking water.

4.2.2.2 Total Petroleum Hydrocarbons

Groundwater samples from wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 were analyzed for TPH-g and TPH-d using EPA Methods 8260B and 8015B respectively. Samples MW-2 and MW-Dup (duplicate sample from well MW-2) contained TPH-g at 48,000 µg/L and 57,000 µg/L, respectively, exceeding the 100 µg/L ESL for TPH-g. In samples MW-2 and MW-Dup, TPH-d[1] was reported at 3,630 µg/L and 3,920 µg/L respectively, which exceeds the ESL of 100 µg/L. No TPH-g or TPH-d was detected at or above the reporting limits in the samples from MW-1, MW-3, MW-4, MW-5, MW-6, and MW-7.

As indicated on Table 4, TPH-d and TPH-g concentrations in well MW-2 reported in March 2009 were higher than those reported in December 2008, and about the same as those reported in September 2008. Neither TPH-d nor TPH-g concentrations were reported for the samples collected from MW-1, MW-3, MW-4, MW-5, MW-6, and MW-7 during the September and December 2008 sampling events.

4.2.2.3 Volatile Organics

Groundwater samples from wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 were analyzed for VOCs using EPA Method 8260B. No VOCs in the groundwater

[1] Sample chromatogram did not resemble typical diesel pattern. Lighter end hydrocarbons and hydrocarbon peaks within diesel range quantified as diesel.

samples were reported with the exception of the sample from monitoring well MW-2. As with TPHg and TPHd, concentrations of toluene, ethylbenzene and xylenes reported in MW-2 in March 2009 were higher than in December 2008, but at similar concentrations as those reported in September 2009. Toluene, ethylbenzene and xylenes concentrations for the samples MW-2 and MW-2D in March 2009 were 2,930 µg/L (2,280 µg/L duplicate), 1,690 µg/L (1,760 µg/L duplicate), and 15,400 µg/L (16,600 µg/L duplicate), respectively. Lower benzene concentrations were reported in March 2009 than in both the September and December 2008 samples. Benzene was reported at 418 µg/L (336 µg/L, duplicate) in March 2009. 1,2 Dichloroethane (EDC) was not reported in the March 2009 sample from MW-2 or its duplicate sample. Naphthalene was reported at 998 µg/L (430 µg/L duplicate), a concentration higher than found in December 2008, but lower than that found in September 2008. Methyl tert butyl ether (MTBE) was not reported by the laboratory, nor has it been reported in past samples for the site.

Other VOCs, including isopropylbenzene, propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and 4-isopropyltoluene, were reported above the laboratory's reporting limit at concentrations listed in Table 4. No other VOCs were reported in the March 2009 samples.

As with previous samples from MW-2, the concentrations of benzene, ethylbenzene, toluene, xylenes, 1,2-dichloroethane, and naphthalene reported in the March 2009 samples exceeded their respective ESLs. No ESLs have been established for isopropylbenzene, propylbenzene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.

4.3 QUALITY ASSURANCE / QUALITY CONTROL

For the current set of samples no laboratory quality assurance / quality control parameters deviated from accepted norms. Samples were preserved and transported to the laboratory under chain-of-custody control protocols. All samples were analyzed within holding times, method blanks were not found to contain chemicals of interest, and surrogate recoveries were within accepted within accepted ranges.

No chemicals of interest were reported in the trip sample that accompanied the sample bottles in the field and back to the laboratory.

Comparison of the duplicate samples collected from well MW-2 revealed some differences (Table 4). Sec-butylbenzene was reported in the duplicate sample at 330 µg/L, but was not reported in the primary sample (<22 µg/L). Sec-butylbenzene had not been reported at the site before. Also, naphthalene was reported in the duplicate sample at less than 50 percent of the concentration of naphthalene in the primary sample. Benzene was reported in the duplicate sample at about 60 percent of the concentration in the primary sample. Other than these anomalies, the duplicate results were similar to the primary sample results.

5.0 CONCLUSIONS

The conclusions presented below are based on the groundwater monitoring event performed in March 2009.

5.1 HYDRAULIC CONDITIONS

The direction of groundwater flow in March 2009 was to the southwest (Plate 2). This flow pattern is similar to that observed in September and December 2008. Compared to previous groundwater monitoring events, groundwater surface elevations rose in all the monitoring wells during the first quarter 2009.

5.2 WATER QUALITY

Analytical results for the groundwater samples collected in March 2009 were similar to those found during the September and December 2008 sampling events. Reported BTEX concentrations generally increased in samples collected from MW-2 between December 2008 and March 2009. The highest concentrations were reported in samples from monitoring well MW-2. Reported concentrations of TPH-d, TPH-g, benzene, ethylbenzene, toluene, total xylenes, 1,2 Dicholorethane, and naphthalene in samples from MW-2 exceeded ESLs. No chemicals of concern were detected in groundwater from wells MW-1, MW-3, MW-4, MW-5, MW-6, and MW-7.

6.0 REFERENCES

California Regional Water Quality Control Board – San Francisco Bay Region, 2007. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (Interim Final – November 2007, revised May 2008)*, Volume 1: Summary Tier 1 Lookup Tables*.

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PSI, 2000a. Summary of Groundwater Analytical Data, State Right-of-Way, Sixth and Castro Streets, Oakland, California. February 7.

PSI, 2000b. Summary of Groundwater Analytical Data, State Right-of-Way, Sixth and Castro Streets, Oakland, California. April 27.

PSI, 2000c. Summary of Groundwater Analytical Data, State Right-of-Way, Sixth and Castro Streets, Oakland, California. August 8.

PSI, 2000d. Summary of Groundwater Analytical Data, State Right-of-Way, Sixth and Castro Streets, Oakland, California. November 16.

PSI, 2001. Summary of Groundwater Analytical Data, State Right-of-Way, Sixth and Castro Streets, Oakland, California. March 27.

7.0 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 Caltrans 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 Caltrans 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. Caltrans 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. Caltrans 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 Caltrans 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 Caltrans. Consequently, no warranty or guarantee, expressed of implied, is intended or made.

TABLES

Table 1

Monitoring Well Construction Details

Caltrans Property

Sixth Street and Castro Street

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	Latitude	Longitude	Top of Casing Elevation (Feet)
MW-1	6/17/1999	20.0	NA	NA	NA	NA	NA	37.8018364	-122.2810228	30.12
MW-2	6/17/1999	21.5	NA	NA	NA	NA	NA	37.8015895	-122.2813935	24.27
MW-3	6/17/1999	21.0	NA	NA	NA	NA	NA	37.8013935	-122.2809037	24.76
MW-4	9/3/2008	24.0	0.25-13	13-23	11-23	9-11	0.75-9	37.8017651	-122.2814128	26.30
MW-5	4/9/2008	24.0	0.25-13	13-23	11-23	9-11	0.75-9	37.8014889	-122.2810836	24.71
MW-6	4/9/2008	24.0	0.25-13	13-23	11-23	9-11	0.75-9	37.8013169	-122.2814004	24.26
MW-7	4/9/2008	24.0	0.25-13	13-23	11-23	9-11	0.75-9	37.8012081	-122.2811495	24.91

Notes:

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

Top of Casing elevations for MW-1 through MW-7, were surveyed 9/24/2008, by Mid Coast Engineers.

Wells MW-1, MW-2, and MW-3 installed by PSI, Inc.

Wells MW-4, MW-5, MW-6, and MW-7 installed by Kleinfelder, Inc.

NA = not available

Table 2

Depth to Water Measurements and Ground Water Surface Elevations

Caltrans Property

Sixth Street and Castro Street

Oakland, California

Well ID	Date Measured	Depth to Water (feet)	Groundwater Surface Elevation (feet)
MW-1	9/16/2008	20.8	9.32
	12/22/2008	21.02	9.10
	3/19/2009	19.65	10.47
MW-2	9/16/2008	15.48	8.79
	12/22/2008	15.58	8.69
	3/19/2009	14.15	10.12
MW-3	9/16/2008	15.92	8.84
	12/22/2008	16.02	8.74
	3/19/2009	14.59	10.17
MW-4	9/16/2008	17.29	9.01
	12/22/2008	17.44	8.86
	3/19/2009	15.97	10.33
MW-5	9/16/2008	15.87	8.84
	12/22/2008	15.93	8.78
	3/19/2009	14.53	10.18
MW-6	9/16/2008	15.74	8.52
	12/22/2008	15.81	8.45
	3/19/2009	14.40	9.86
MW-7	9/16/2008	16.42	8.49
	12/22/2008	16.47	8.44
	3/19/2009	15.07	9.84

Notes:

Depth to water below top of well casing.

Top of Casing elevations for MW-1 through MW-7, were surveyed 9/24/2008, by Mid Coast Engineers. Elevations based on NAVD 1988.

Measuring point elevations are included on Table 1.

Table 3

Final Purge Characteristics in Groundwater

Caltrans Property

Sixth Street and Castro Street

Oakland, California

Well ID	Date Sampled	Gallons Purged	Final pH	Final Specific Conductivity (µmhos/cm)	Final Temperature (degrees C)
MW-1	9/16/2008	NR	5.98	453	18.95
	12/22/2008	1.5	6.47	809	18.61
	3/20/2009	2.0	6.35	859	18.43
MW-2	9/16/2008	4.0	6.29	457	20.19
	12/22/2008	4.5	6.60	758	20.00
	3/19/2009	5.0	6.48	624	18.52
MW-3	9/16/2008	4.0	6.21	391	20.03
	12/22/2008	4.0	6.54	670	19.65
	3/19/2009	4.5	6.35	514	18.01
MW-4	9/16/2008	5.0	6.42	799	18.32
	12/22/2008	5.0	6.70	1,259	18.76
	3/19/2009	5.5	6.82	1184	18.04
MW-5	9/16/2008	5.0	6.32	683	19.79
	12/22/2008	5.25	6.47	695	19.24
	3/19/2009	6.0	6.28	496	17.78
MW-6	9/16/2008	5.75	6.58	607	17.08
	12/23/2008	6.0	6.84	753	17.07
	3/20/2009	7.0	6.39	589	16.50
MW-7	9/16/2008	6.0	6.33	529	16.88
	12/23/2008	6.0	6.82	895	16.55
	3/20/2009	7.0	6.65	1231	15.80

Notes:

C Celsius

µmhos/cm microsiemens per centimeter

Table 4
Total Petroleum Hydrocarbons, Volatile Organics and Total Dissolved Solids in Groundwater
Caltrans Property
Sixth and Castro Streets, Oakland, California

Sample Location	Date Sampled	TPH-d	TPH-g	Benzene	1,2 Dichloroethane (EDC)	Ethylbenzene	Isopropylbenzene	Isopropyltoluene (4-)	Naphthalene	Propylbenzene (n-)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trimethylbenzene (1,2,4-)	Trimethylbenzene (1,3,5-)	Xylenes, total	Methyl tert butyl ether (MTBE)	Butylbenzene (sec)	Total Dissolved Solids (TDS)
MW-1	09/16/08	<50	<125	<0.50	<0.50	<0.50	<1.00	<0.50	<6.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	NT	<0.50	590
	12/22/08	<113	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	NT
	03/20/09	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	580
MW-2	09/16/08	**2,800**	**47,000**	**496**	**41.4**	**1,530**	66.0	<22	**1,050**	270	<22.0	**1,710**	<22.0	2,120	410	**8,040**	NT	<22.0	600
	9/16/2008 Dup	**3,030**	**57,000**	**437**	**40.9**	**1,770**	112	<22	**3,500**	547	<22.0	**1,680**	<22.0	4,250	859	**10,400**	NT	<22.0	NT
	12/22/08	**1,510a**	**33,000**	**437**	**31.7**	**1,360**	63.8	<22	**89.3**	226	<22.0	**1,200**	<22.0	1,850	398	**8,870**	<22.0	<22.0	NT
	12/22/2008 Dup	**2,010a**	**31,000**	**480**	**34.3**	**1,500**	65.6	<22	**198**	238	<22.0	**1,490**	<22.0	1,930	433	**10,200**	<22.0	<22.0	NT
	03/19/09	**3,630a**	**48,000**	**418**	<22	**2,930**	85.4	23.8	**998**	334	<22	**1,690**	<22	2,530	685	**15,400**	<0.500	<22	380
	3/19/2009 Dup	**3,920**	**57,000**	**340**	<22.0	**2,300**	100	<22.0	**430**	350	<22.0	**1,800**	<22.0	2,600	690	**17,000**	<22.0	310	410
MW-3	09/16/08	<50	<125	<0.50	<0.50	<0.50	<1.00	<0.50	<6.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	NT	<0.50	430
	12/22/08	<120	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	NT
	3/19/2009	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	360
MW-4	09/16/08	<50	<100	<0.50	<0.50	<0.50	<1.00	<0.50	<6.00	<0.50	<0.50	<0.50	0.92	<0.50	<0.50	<1.50	NT	<0.50	900
	12/22/08	<117	<55	<0.55	<0.55	<0.55	<1.10	<0.50	<1.10	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<1.65	<0.550	<0.50	NT
	3/14/2009	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	720
MW-5	09/16/08	<50	<100	<50	<100	<0.60	<0.60	<0.60	<0.60	<1.19	<7.14	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<1.79
	12/22/08	<117	<55	<0.57	<0.57	<0.57	<1.13	<0.57	<1.13	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57	<1.70	<0.565	<0.57	NT
	3/19/2009	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	310
MW-6	09/16/08	<50	<122	<0.50	<0.50	<0.50	<1.00	<0.50	<6.00	<0.50	3.94	<0.50	<0.50	<0.50	<0.50	<1.50	NT	<0.50	540
	12/23/08	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	NT
	03/20/09	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	350
MW-7	09/16/08	<50	<125	<0.50	<0.50	<0.50	<1.00	<0.50	<6.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	NT	<0.50	580
	12/23/08	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	NT
	03/20/09	<100	<50	<0.50	<0.50	<0.50	<1.00	<0.50	<1.00	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.50	<0.500	<0.50	620
ESL*		100	100	1.0	0.5	30	NE	NE	17	NE	5.0	40	5.0	NE	NE	20	5.0	NE	NE

Notes:

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

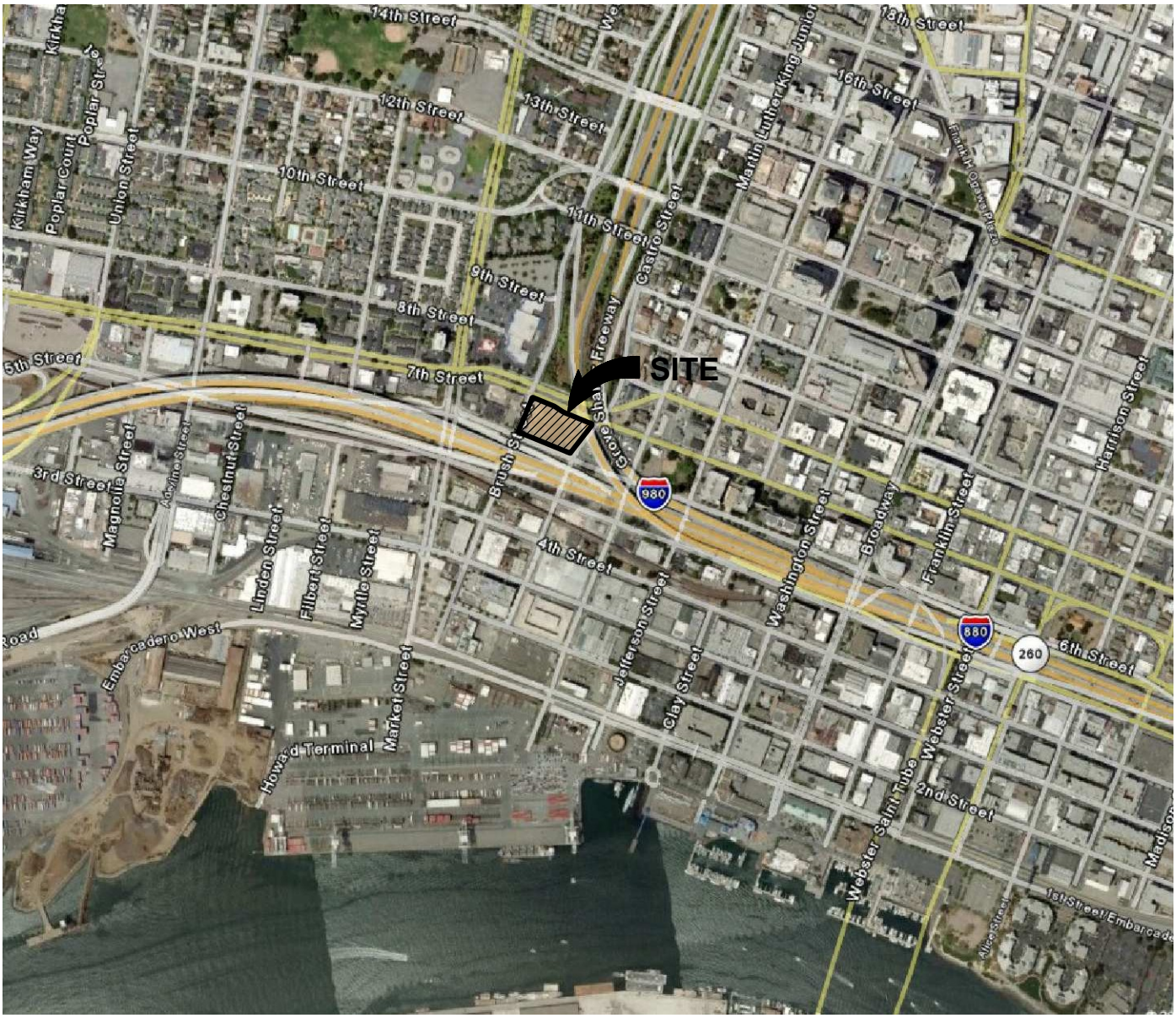
a - Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Lighter end hydrocarbons and hydrocarbon peaks within the diesel range quantified as diesel.

* ESL - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, Interim Final - November 2007 (revised May 2008). Lowest level reported from:
Table F-1a. Environmental Screening Levels. Groundwater IS a current or potential drinking water source.

Acronyms:

Dup - Duplicate sample
NE - Not established
NT - Not tested
TPH-d - Total Petroleum Hydrocarbons - diesel
TPH-g - Total Petroleum Hydrocarbons - gasoline

PLATES



1000 500 0 1000

APPROXIMATE SCALE (feet)

N

REFERENCE:
www.google.com, 2006

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

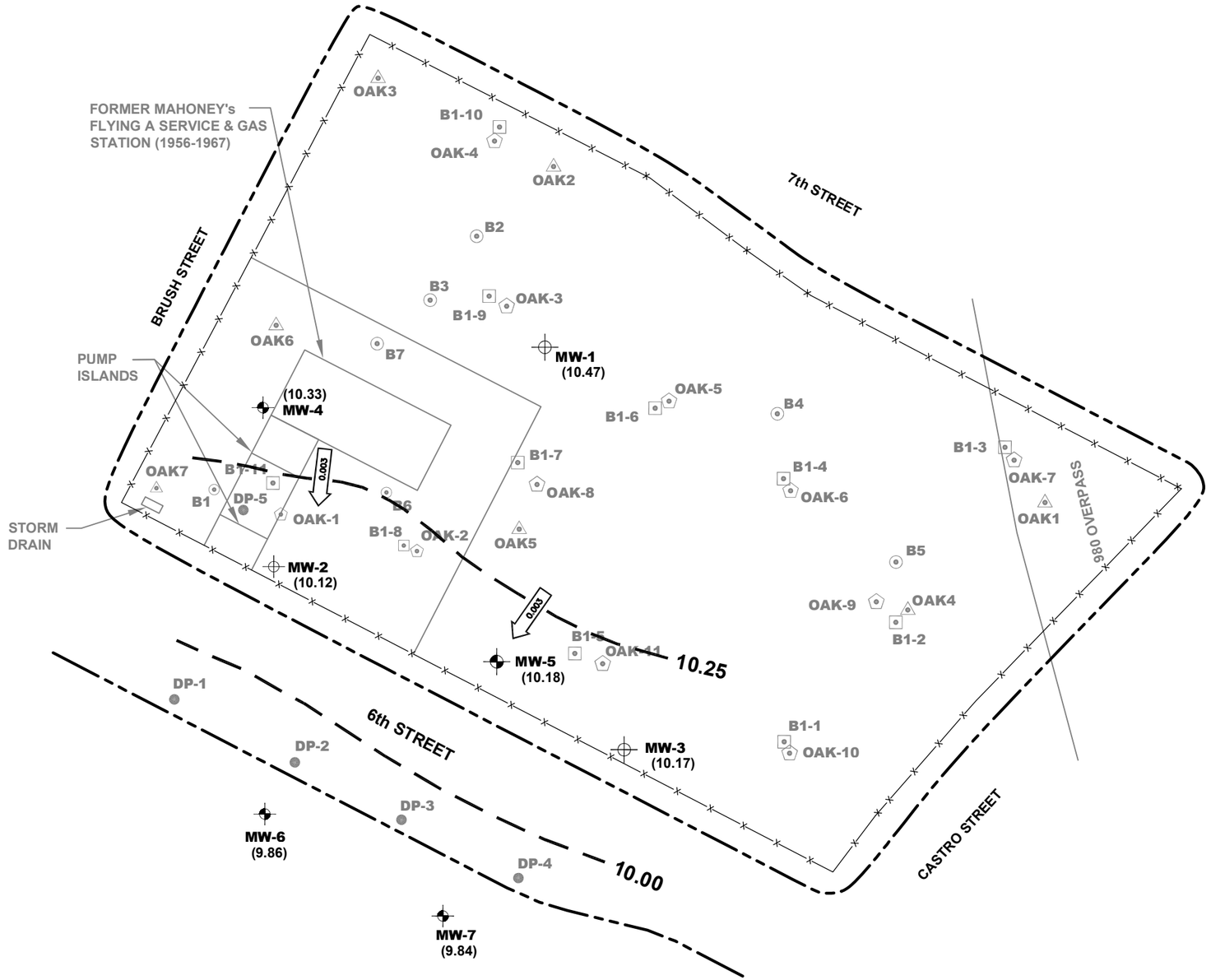
PROJECT NO.	95539
DRAWN:	MAY 2009
DRAWN BY:	JDS
CHECKED BY:	GF
FILE NAME:	GWS_Mar09.dwg

SITE VICINITY MAP

CALTRANS DISTRICT 4 EXCESS LAND
SIXTH STREET AND CASTRO STREET
OAKLAND, CALIFORNIA

PLATE
1

ATTACHED IMAGES: Images: CONTOURS.jpg Images: SITE-VIC.jpg Images: SITEPLAN.jpg
ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA: XRef: 08135 KLEIN: XRef: Eng-B_11x17_L_StyleA
PLEASANTON, CA CAD FILE: D:_PROJECTS\95539\4\ LAYOUT: SITE-VIC
PLOTTED: 13 May 2009, 9:33am, jsala



LEGEND

- CURB LINE
- FENCE LINE
- BORING LOCATION (ERM-WEST, 1987)
- BORING LOCATION (Geocon, 1995)
- BORING LOCATION (ITC, 1996)
- BORING LOCATION (PSI, 1999)
- WATER MONITORING WELL LOCATION (PSI, 1999)
- DIRECT PUSH SAMPLE LOCATION (Kleinfelder, 2008)
- SOIL BORING/MONITORING WELL LOCATION (Kleinfelder, 2008)
- 10.00 GROUNDWATER ELEVATION CONTOUR (NAVD, 1988)
- (10.47) GROUNDWATER ELEVATION (NAVD, 1988)
- 0.003 APPROXIMATE GROUNDWATER FLOW DIRECTION WITH GRADIENT

NOTES:

1. Contour lines are interpretive and represent interpolation between known data points.
2. Locations are approximate.

N

50 25 0 50

APPROXIMATE SCALE (feet)

REFERENCE:
Engeo Inc., Site Plan, dated January 1993
ERM, Site Plan, dated August, 2001

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

PROJECT NO.	95539
DRAWN:	MAY 2009
DRAWN BY:	JDS
CHECKED BY:	CA
FILE NAME:	GWS_Mar09.dwg

GROUNDWATER ELEVATION CONTOUR: MARCH 19, 2009

CALTRANS DISTRICT 4 EXCESS LAND
SIXTH STREET AND CASTRO STREET
OAKLAND, CALIFORNIA

PLATE **2**

PLOTTED: 13 May 2009, 9:33am, jsala
ATTACHED IMAGES: Images: CONTOURS.jpg Images: SITE-VIC.jpg Images: SITEPLAN.jpg
ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA: XRef: 08135 KLEIN: XRef: Eng-B_11x17_L_StyleA
CAD FILE: D:_PROJECTS\95539\4\ LAYOUT: GW-ELEVS

APPENDIX A

CHAIN-OF-CUSTODY RECORDS

KLEINFELDER
Bright People. Right Solutions.

0903128

PROJECT NO.	PROJECT NAME	RECEIVING LAB:
95539-4	Caltrans Oakland 6th & Castro	Torrent Lab Milpitas

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

SAMPLERS: (Signature/Number) [signature]

INSTRUCTIONS/REMARKS: Standard TAT

ANALYSIS: VOC (fuel oxy) EPA 8260 (3/23/09); TPH G&D by EPA 8015 w/ SG cleanup; TDS by 160.1

		DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	VOC (fuel oxy) EPA 8260	TPH G&D by EPA 8015 w/ SG cleanup	TDS by 160.1	INSTRUCTIONS/REMARKS
001A	1	03/19/09	NA	TB-031909 #1	H2O	1	VOA	X			
002A	2	03/19/09	NA	TB-031909 #2	↓	1	VOA	X			
003A	3	3/20/09	12:20	MW-1	↓	~~8~~ 7 (BS 3/20/09)	Various	X	X	X	
004A	4	3/19/09	14:25	MW-2	↓	6	Various	X	X	X	
005A	5	3/19/09	11:55	MW-3	↓	6	Various	X	X	X	
006A	6	3/19/09	15:45	MW-4	↓	6	Various	X	X	X	Alameda County Registered Well # W2008-0532 MW-4
007A	7	3/19/09	13:20	MW-5	↓	18	Various	X	X	X	" " " MS/MSD # W2008-0533 MW-5
008A	8	3/20/09	10:05	MW-6	↓	7	Various	X	X	X	" " " " # W2008-0534 MW-6
009A	9	3/20/09	11:00	MW-7	↓	7	Various	X	X	X	" " " " # W2008-0535 MW-7
010A	10	3/19/09	14:30	MW-Dup	↓	6	Various	X	X	X	
	11										
	12										Bottles:
	13										4 40ml VOA'S
	14										2 Liter Amber
	15										1 250ml Poly (LPE)
	16										
	17			3/20/09 [initials]							
	18										Temp 4°C
	19										[initials]
	20										3-20-09

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	3/20/09 / 16:10	N. G. Ghodasara
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks: Email Reslts to: CAlmestad@kleinfelder.com

Send Results To: Kleinfelder 1970 Broadway, Suite Oakland, CA
Attn: Charlie Almestad

ENV-02 REV 05/08) Drop-off.

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

CHAIN OF COUSTODY

COC № 12283

APPENDIX B

CERTIFIED ANALYTICAL LABORATORY REPORTS

Torrent
LABORATORY, INC.

April 20, 2009 (Revision 1)

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

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

RE: 95539-4 - Per client request, report revised to nclude full list 8260B data and QC.
Order No.: 0903128

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 10 samples on 3/20/2009 for the analyses presented in the following report.

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

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

Sincerely,

Laboratory Director 4/20/09
Date

Patti Sandrock
QA Officer

Torrent Laboratory, Inc.

Date: *26-May-09*

CLIENT: KLEINFELDER
Project: 95539-4
Lab Order: 0903128

CASE NARRATIVE

Analytical Comments for METHOD 8260B_W, All Samples, Note: Per cleint request, samples reprocessed to report full list 8260B. All associated QC re-validated for full list 8260B.

Rev 1 (4/20/09)

Report revised to include results for 8260W for sample 010A(MW-DUP).

Rev 2 (5/18/09)

Report revised to correct the 8260W results.

Rev3 (5/26/09)

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: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: TB-031909 #1
Sample Location: 95539-4 6th & Castro
Sample Matrix: TRIP BLANK
Date/Time Sampled 3/19/2009

Lab Sample ID: 0903128-001
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: TB-031909 #1
Sample Location: 95539-4 6th & Castro
Sample Matrix: TRIP BLANK
Date/Time Sampled 3/19/2009

Lab Sample ID: 0903128-001
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	112	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	106	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	92.3	%REC	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: TB-031909 #2
Sample Location: 95539-4 6th & Castro
Sample Matrix: TRIP BLANK
Date/Time Sampled 3/19/2009

Lab Sample ID: 0903128-002
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: TB-031909 #2
Sample Location: 95539-4 6th & Castro
Sample Matrix: TRIP BLANK
Date/Time Sampled 3/19/2009

Lab Sample ID: 0903128-002
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	105	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	95.9	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	98.7	%REC	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-1
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 12:20:00 PM

Lab Sample ID: 0903128-003
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	580	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/26/2009	0.1	1	0.100	ND	mg/L	R19049
Surr: Pentacosane	SW8015B	3/26/2009	0	1	64.2-123	106	%REC	R19049

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-1
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 12:20:00 PM

Lab Sample ID: 0903128-003
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-1
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 12:20:00 PM

Lab Sample ID: 0903128-003
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	105	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	105	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	100	%REC	F19050
TPH (Gasoline)	SW8260B(TPH)	3/25/2009	50	1	50	ND	µg/L	G19053
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/25/2009	0	1	58.4-133	66.4	%REC	G19053

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-2
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 2:25:00 PM

Lab Sample ID: 0903128-004
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	380	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/26/2009	0.1	4	0.400	3.63x	mg/L	R19049
Surr: Pentacosane	SW8015B	3/26/2009	0	4	64.2-123	108	%REC	R19049

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: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-2
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 2:25:00 PM

Lab Sample ID: 0903128-004
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	44	22.0	2530	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	44	22.0	685	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	44	264	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	44	22.0	23.8	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	44	440	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	44	22.0	418	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-2
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 2:25:00 PM

Lab Sample ID: 0903128-004
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	44	22.0	2930	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	44	44.0	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	44	44.0	85.4	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	44	220	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	44	44.0	998	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	44	22.0	334	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	44	220	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	44	22.0	1690	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	44	22.0	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	44	66.0	15400	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	44	61.2-131	106	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	44	64.1-120	103	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	44	75.1-127	108	%REC	F19050
TPH (Gasoline)	SW8260B(TPH)	3/27/2009	50	44	2200	48000	µg/L	G19061
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/27/2009	0	44	58.4-133	52.6	%REC	G19061

Note: Even though TPH as Gasoline constituents are present, sample chromatogram does not resemble gasoline standard pattern. Reported value includes a significant portion of non-gasoline heavy end hydrocarbons within range of C5-C12 quantified as Gasoline that biases the quantitation (possibly aged gasoline). S - Low surrogate recovery was observed due to matrix effect. Result confirmed by another run.

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-3
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 11:55:00 AM

Lab Sample ID: 0903128-005
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	360	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/26/2009	0.1	1	0.100	ND	mg/L	R19049
Surr: Pentacosane	SW8015B	3/26/2009	0	1	64.2-123	105	%REC	R19049

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-3
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 11:55:00 AM

Lab Sample ID: 0903128-005
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-3
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 11:55:00 AM

Lab Sample ID: 0903128-005
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	118	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	109	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	109	%REC	F19050
TPH (Gasoline)	SW8260B(TPH)	3/27/2009	50	1	50	ND	µg/L	G19061
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/27/2009	0	1	58.4-133	64.7	%REC	G19061

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-4
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 3:45:00 PM

Lab Sample ID: 0903128-006
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	720	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/26/2009	0.1	1	0.100	ND	mg/L	R19049
Surr: Pentacosane	SW8015B	3/26/2009	0	1	64.2-123	103	%REC	R19049

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-4
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 3:45:00 PM

Lab Sample ID: 0903128-006
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-4
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 3:45:00 PM

Lab Sample ID: 0903128-006
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	96.0	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	109	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	105	%REC	F19050
TPH (Gasoline)	SW8260B(TPH)	3/27/2009	50	1	50	ND	µg/L	G19061
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/27/2009	0	1	58.4-133	65.5	%REC	G19061

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-5
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 1:20:00 PM

Lab Sample ID: 0903128-007
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	310	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/24/2009	0.1	1	0.100	ND	mg/L	R19049
Surr: Pentacosane	SW8015B	3/24/2009	0	1	64.2-123	98.0	%REC	R19049

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-5
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 1:20:00 PM

Lab Sample ID: 0903128-007
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-5
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 1:20:00 PM

Lab Sample ID: 0903128-007
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	88.0	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	108	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	103	%REC	F19050
TPH (Gasoline)	SW8260B(TPH)	3/27/2009	50	1.1	55	ND	µg/L	G19061
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/27/2009	0	1.1	58.4-133	63.8	%REC	G19061

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-6
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 10:05:00 AM

Lab Sample ID: 0903128-008
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	350	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/26/2009	0.1	1	0.100	ND	mg/L	R19049
Surr: Pentacosane	SW8015B	3/26/2009	0	1	64.2-123	104	%REC	R19049

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-6
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 10:05:00 AM

Lab Sample ID: 0903128-008
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-6
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 10:05:00 AM

Lab Sample ID: 0903128-008
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	111	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	115	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	101	%REC	F19050
TPH (Gasoline)	SW8260B(TPH)	3/27/2009	50	1	50	ND	µg/L	G19061
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/27/2009	0	1	58.4-133	67.2	%REC	G19061

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-7
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 11:00:00 AM

Lab Sample ID: 0903128-009
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	620	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/26/2009	0.1	1	0.100	ND	mg/L	R19049
Surr: Pentacosane	SW8015B	3/26/2009	0	1	64.2-123	104	%REC	R19049

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-7
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 11:00:00 AM

Lab Sample ID: 0903128-009
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,1-Dichloroethene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,2-Dichloropropane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	1	6.00	ND	µg/L	F19050
2-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Chlorotoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Acetone	SW8260B	3/25/2009	10	1	10.0	ND	µg/L	F19050
Benzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromodichloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Bromoform	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Bromomethane	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Carbon tetrachloride	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Chlorobenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloroform	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Chloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromochloromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dibromomethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-7
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/20/2009 11:00:00 AM

Lab Sample ID: 0903128-009
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Freon-113	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Isopropylbenzene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Methylene chloride	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
Naphthalene	SW8260B	3/25/2009	1	1	1.00	ND	µg/L	F19050
n-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
n-Propylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
sec-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Styrene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	1	5.00	ND	µg/L	F19050
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
tert-Butylbenzene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Tetrachloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Toluene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichloroethene	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Vinyl chloride	SW8260B	3/25/2009	0.5	1	0.50	ND	µg/L	F19050
Xylenes, Total	SW8260B	3/25/2009	1.5	1	1.50	ND	µg/L	F19050
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	1	61.2-131	92.3	%REC	F19050
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	1	64.1-120	115	%REC	F19050
Surr: Toluene-d8	SW8260B	3/25/2009	0	1	75.1-127	102	%REC	F19050
TPH (Gasoline)	SW8260B(TPH)	3/27/2009	50	1	50	ND	µg/L	G19061
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/27/2009	0	1	58.4-133	67.2	%REC	G19061

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-Dup
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 2:30:00 PM

Lab Sample ID: 0903128-010
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	3/23/2009	10	1	10	410	mg/L	R19043
TPH (Diesel-SG)	SW8015B	3/26/2009	0.1	4	0.400	3.92x	mg/L	R19049
Surr: Pentacosane	SW8015B	3/26/2009	0	4	64.2-123	112	%REC	R19049

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: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-Dup
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 2:30:00 PM

Lab Sample ID: 0903128-010
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
1,1,1-Trichloroethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,1,2,2-Tetrachloroethane	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
1,1,2-Trichloroethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,1-Dichloroethene	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
1,1-Dichloropropene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,2,3-Trichlorobenzene	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
1,2,3-Trichloropropane	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
1,2,4-Trichlorobenzene	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
1,2,4-Trimethylbenzene	SW8260B	3/25/2009	0.5	44	22	2600	µg/L	R19053
1,2-Dibromo-3-chloropropane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,2-Dibromoethane (EDB)	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,2-Dichlorobenzene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,2-Dichloroethane (EDC)	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,2-Dichloropropane	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
1,3,5-Trimethylbenzene	SW8260B	3/25/2009	0.5	44	22	690	µg/L	R19053
1,3-Dichlorobenzene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,3-Dichloropropene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
1,4-Dichlorobenzene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
2,2-Dichloropropane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
2-Chloroethyl vinyl ether	SW8260B	3/25/2009	6	44	260	ND	µg/L	R19053
2-Chlorotoluene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
4-Chlorotoluene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
4-Isopropyltoluene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Acetone	SW8260B	3/25/2009	10	44	440	ND	µg/L	R19053
Benzene	SW8260B	3/25/2009	0.5	44	22	340	µg/L	R19053
Bromobenzene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Bromochloromethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Bromodichloromethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Bromoform	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
Bromomethane	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
Carbon tetrachloride	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
Chlorobenzene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Chloroform	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Chloromethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
cis-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
cis-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Dibromochloromethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Dibromomethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Dichlorodifluoromethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Diisopropyl ether (DIPE)	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Ethyl tert-butyl ether (ETBE)	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Ethylbenzene	SW8260B	3/25/2009	0.5	44	22	2300	µg/L	R19053

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 3/20/2009
Date Reported: 5/26/2009

Client Sample ID: MW-Dup
Sample Location: 95539-4 6th & Castro
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/19/2009 2:30:00 PM

Lab Sample ID: 0903128-010
Date Prepared: 3/25/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Freon-113	SW8260B	3/25/2009	1	44	44	ND	µg/L	R19053
Hexachlorobutadiene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Isopropylbenzene	SW8260B	3/25/2009	1	44	44	100	µg/L	R19053
Methyl tert-butyl ether (MTBE)	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Methylene chloride	SW8260B	3/25/2009	5	44	220	ND	µg/L	R19053
Naphthalene	SW8260B	3/25/2009	1	44	44	430	µg/L	R19053
n-Butylbenzene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
n-Propylbenzene	SW8260B	3/25/2009	0.5	44	22	350	µg/L	R19053
sec-Butylbenzene	SW8260B	3/25/2009	0.5	44	22	310	µg/L	R19053
Styrene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
t-Butyl alcohol (t-Butanol)	SW8260B	3/25/2009	5	44	220	ND	µg/L	R19053
tert-Amyl methyl ether (TAME)	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
tert-Butylbenzene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Tetrachloroethene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Toluene	SW8260B	3/25/2009	0.5	44	22	1800	µg/L	R19053
trans-1,2-Dichloroethene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
trans-1,3-Dichloropropene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Trichloroethene	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Trichlorofluoromethane	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Vinyl chloride	SW8260B	3/25/2009	0.5	44	22	ND	µg/L	R19053
Xylenes, Total	SW8260B	3/25/2009	1.5	44	66	17000	µg/L	R19053
Surr: Dibromofluoromethane	SW8260B	3/25/2009	0	44	61.2-131	78.3	%REC	R19053
Surr: 4-Bromofluorobenzene	SW8260B	3/25/2009	0	44	64.1-120	109	%REC	R19053
Surr: Toluene-d8	SW8260B	3/25/2009	0	44	75.1-127	109	%REC	R19053
TPH (Gasoline)	SW8260B(TPH)	3/27/2009	50	88	4400	57000	µg/L	G19061
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	3/27/2009	0	88	58.4-133	62.9	%REC	G19061

Note: Even though TPH as Gasoline constituents are present, sample chromatogram does not resemble gasoline standard pattern. Reported value includes a significant portion of non-gasoline heavy end hydrocarbons within range of C5-C12 quantified as Gasoline that biases the quantitation (possibly aged 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

CLIENT: KLEINFELDER
Work Order: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: F19050

Sample ID **BLK-F19050** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **3/25/2009** RunNo: **19050**
Client ID: **ZZZZZ** Batch ID: **F19050** TestNo: **SW8260B** Analysis Date: **3/25/2009** SeqNo: **278170**

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	6.00									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
Acetone	ND	10.0									
Benzene	ND	0.500									
Bromobenzene	ND	0.500									
Bromochloromethane	ND	0.500									
Bromodichloromethane	ND	0.500									
Bromoform	ND	1.00									

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

CLIENT: KLEINFELDER
Work Order: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: F19050

Sample ID **BLK-F19050**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19050**
Client ID: **ZZZZZ**	Batch ID: **F19050**	TestNo: **SW8260B**		Analysis Date: **3/25/2009**	SeqNo: **278170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	1.00									
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									

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: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: F19050

Sample ID **BLK-F19050**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19050**
Client ID: **ZZZZZ**	Batch ID: **F19050**	TestNo: **SW8260B**		Analysis Date: **3/25/2009**	SeqNo: **278170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	0.500									
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	12.34	0	11.36	0	109	61.2	131				
Surr: 4-Bromofluorobenzene	10.65	0	11.36	0	93.8	64.1	120				
Surr: Toluene-d8	9.400	0	11.36	0	82.7	75.1	127				

Sample ID **LCS-F19050**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19050**
Client ID: **ZZZZZ**	Batch ID: **F19050**	TestNo: **SW8260B**		Analysis Date: **3/25/2009**	SeqNo: **278171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.97	1.00	17.04	0	123	61.4	129				
Benzene	20.10	0.500	17.04	0	118	66.9	140				
Chlorobenzene	19.11	0.500	17.04	0	112	73.9	137				
Toluene	20.33	0.500	17.04	0	119	76.6	123				
Trichloroethene	18.14	0.500	17.04	0	106	69.3	144				
Surr: Dibromofluoromethane	12.50	0	11.36	0	110	61.2	131				
Surr: 4-Bromofluorobenzene	9.500	0	11.36	0	83.6	64.1	120				
Surr: Toluene-d8	12.14	0	11.36	0	107	75.1	127				

Sample ID **LCSD-F19050**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19050**
Client ID: **ZZZZZ**	Batch ID: **F19050**	TestNo: **SW8260B**		Analysis Date: **3/25/2009**	SeqNo: **278172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.05	1.00	17.04	0	118	61.4	129	20.97	4.49	20	
Benzene	19.90	0.500	17.04	0	117	66.9	140	20.1	1.00	20	
Chlorobenzene	19.59	0.500	17.04	0	115	73.9	137	19.11	2.48	20	
Toluene	20.11	0.500	17.04	0	118	76.6	123	20.33	1.09	20	
Trichloroethene	18.06	0.500	17.04	0	106	69.3	144	18.14	0.442	20	
Surr: Dibromofluoromethane	10.46	0	11.36	0	92.1	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	9.300	0	11.36	0	81.9	64.1	120	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: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: F19050

Sample ID **LCSD-F19050**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19050**
Client ID: **ZZZZZ**	Batch ID: **F19050**	TestNo: **SW8260B**		Analysis Date: **3/25/2009**	SeqNo: **278172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	11.35	0	11.36	0	99.9	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: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: G19053

Sample ID **MB-G19053**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19053**
Client ID: **ZZZZZ**	Batch ID: **G19053**	TestNo: **SW8260B(TP**		Analysis Date: **3/26/2009**	SeqNo: **274811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	8.100	0	11.36	0	71.3	58.4	133				

Sample ID **LCS-G19053**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19053**
Client ID: **ZZZZZ**	Batch ID: **G19053**	TestNo: **SW8260B(TP**		Analysis Date: **3/25/2009**	SeqNo: **274813**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	215.9	50	227	0	95.1	52.4	127				
Surr: 4-Bromofllurobenzene	8.300	0	11.36	0	73.1	58.4	133				

Sample ID **LCSD-G19053**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **3/25/2009**	RunNo: **19053**
Client ID: **ZZZZZ**	Batch ID: **G19053**	TestNo: **SW8260B(TP**		Analysis Date: **3/25/2009**	SeqNo: **274814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	195.1	50	227	0	85.9	52.4	127	215.9	10.1	20	
Surr: 4-Bromofllurobenzene	8.400	0	11.36	0	73.9	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: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: G19061

Sample ID **MB-G19061**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **3/27/2009**	RunNo: **19061**
Client ID: **ZZZZZ**	Batch ID: **G19061**	TestNo: **SW8260B(TP**		Analysis Date: **3/27/2009**	SeqNo: **275040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	7.800	0	11.36	0	68.7	58.4	133				

Sample ID **LCS-G19061**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **3/26/2009**	RunNo: **19061**
Client ID: **ZZZZZ**	Batch ID: **G19061**	TestNo: **SW8260B(TP**		Analysis Date: **3/26/2009**	SeqNo: **275041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	229.3	50	227	0	101	52.4	127				
Surr: 4-Bromofllurobenzene	8.200	0	11.36	0	72.2	58.4	133				

Sample ID **LCSD-G19061**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **3/27/2009**	RunNo: **19061**
Client ID: **ZZZZZ**	Batch ID: **G19061**	TestNo: **SW8260B(TP**		Analysis Date: **3/27/2009**	SeqNo: **275042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	202.7	50	227	0	89.3	52.4	127	229.3	12.3	20	
Surr: 4-Bromofllurobenzene	8.000	0	11.36	0	70.4	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: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: R19043

Sample ID **MB-R19043**	SampType: **MBLK**	TestCode: **TDS_W**	Units: **mg/L**	Prep Date:	RunNo: **19043**
Client ID: **ZZZZZ**	Batch ID: **R19043**	TestNo: **E160.1**		Analysis Date: **3/23/2009**	SeqNo: **274641**

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: 0903128
Project: 95539-4

ANALYTICAL QC SUMMARY REPORT

BatchID: R19049

Sample ID	WDSG090324A-MB	SampType:	MBLK	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	3/24/2009	RunNo:	19049
Client ID:	ZZZZZ	Batch ID:	R19049	TestNo:	SW8015B			Analysis Date:	3/24/2009	SeqNo:	274733

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	0.1040	0	0.1	0	104	64.2	123				

Sample ID	WDSG090324A-LCS	SampType:	LCS	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	3/24/2009	RunNo:	19049
Client ID:	ZZZZZ	Batch ID:	R19049	TestNo:	SW8015B			Analysis Date:	3/24/2009	SeqNo:	274737

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.6200	0.100	1	0	62.0	34.5	95.6				
Surr: Pentacosane	0.1040	0	0.1	0	104	64.2	123				

Sample ID	WDSG090324A-LCS	SampType:	LCSD	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	3/24/2009	RunNo:	19049
Client ID:	ZZZZZ	Batch ID:	R19049	TestNo:	SW8015B			Analysis Date:	3/24/2009	SeqNo:	274743

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.5480	0.100	1	0	54.8	34.5	95.6	0.62	12.3	30	
Surr: Pentacosane	0.1050	0	0.1	0	105	64.2	123	0	0	0	

Sample ID	0903128-007AMS	SampType:	MS	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	3/24/2009	RunNo:	19049
Client ID:	MW-5	Batch ID:	R19049	TestNo:	SW8015B			Analysis Date:	3/24/2009	SeqNo:	275027

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.8030	0.100	1	0	80.3	34.5	95.6				
Surr: Pentacosane	0.1040	0	0.1	0	104	64.2	123				

Sample ID	0903128-007AMSD	SampType:	MSD	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	3/24/2009	RunNo:	19049
Client ID:	MW-5	Batch ID:	R19049	TestNo:	SW8015B			Analysis Date:	3/24/2009	SeqNo:	275028

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.7050	0.100	1	0	70.5	34.5	95.6	0.803	13.0	30	
Surr: Pentacosane	0.09900	0	0.1	0	99.0	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

Torrent Laboratory, Inc.

WORK ORDER Summary

25-Mar-09

Work Order 0903128

Client ID: KLEINFELDER (OAKLAND)

Project: 95539-4 **QC Level:**

Comments: 5 day TAT!! Rec'd at 4'C Run MS/MSD on sample -007A! BTEX/Oxys/TPHG/TPHD, TDS (except TBs) Report to Charlie. NO 250 Poly received for TDS - U

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0903128-001A	TB-031909 #1	3/19/2009	3/20/2009	3/26/2009	Trip Blank	8260B_W_PETROLEUM	☐	☐	☑	☐	SR
0903128-002A	TB-031909 #2			3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
0903128-003A	MW-1	3/20/2009 12:20:00 PM		3/26/2009	Groundwater	8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				3/26/2009		TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR
0903128-004A	MW-2	3/19/2009 2:25:00 PM		3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				3/26/2009		TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR
0903128-005A	MW-3	3/19/2009 11:55:00 AM		3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				3/26/2009		TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR
0903128-006A	MW-4	3/19/2009 3:45:00 PM		3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				3/26/2009		TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR
0903128-007A	MW-5	3/19/2009 1:20:00 PM		3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				3/26/2009		TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR
0903128-008A	MW-6	3/20/2009 10:05:00 AM		3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				3/26/2009		TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR
0903128-009A	MW-7	3/20/2009 11:00:00 AM		3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR

WORK ORDER Summary

25-Mar-09

Work Order 0903128

Client ID: KLEINFELDER (OAKLAND)

Project: 95539-4 **QC Level:**

Comments: 5 day TAT!! Rec'd at 4'C Run MS/MSD on sample -007A! BTEX/Oxys/TPHG/TPHD, TDS (except TBs) Report to Charlie. NO 250 Poly received for TDS - U

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0903128-009A	MW-7	3/20/2009 11:00:00 AM	3/20/2009	3/26/2009	Groundwater	TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR
0903128-010A	MW-Dup	3/19/2009 2:30:00 PM		3/26/2009		8260B_W_PETROLEUM	☐	☐	☑	☐	SR
				3/26/2009		TDS_W	☐	☐	☐	☐	SR
				3/26/2009		TPH_GAS_W_GC_MS	☐	☐	☐	☐	SR
				3/26/2009		TPHDSG_W	☐	☐	☐	☐	SR

KLEINFELDER
Bright People. Right Solutions.

0903128

PROJECT NO.	PROJECT NAME	NO. OF CONTAINERS	TYPE OF CONTAINERS	ANALYSIS: VOC (Fuel Oxy) EPA 8260	TPH G&D by EPA 8015 w/SG cleanup	TDS by 160.1	RECEIVING LAB:
95539-4	Caltrans Oakland 6th & Castro						Torrent Lab Milpitas

L.P. NO. (PO. NO.)
SAMPLERS: (Signature/Number) [signature]

INSTRUCTIONS/REMARKS: Standard TAT

		DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	VOC	TPH G&D	TDS									INSTRUCTIONS/REMARKS
001A	1	03/19/09	NA	TB-031909 #1	H2O	1	VOA	X											
002A	2	03/19/09	NA	TB-031909 #2		1	VOA	X											
003A	3	3/20/09	12:20	MW-1		~~8~~ 7 BS 3/20/09	Various	X	X	X									
004A	4	3/19/09	14:25	MW-2		6	Various	X	X	X									
005A	5	3/19/09	11:55	MW-3		6	Various	X	X	X									
006A	6	3/19/09	15:45	MW-4		6	Various	X	X	X				Alameda	County				Registered Well # W2008-0532 MW-4
007A	7	3/19/09	13:20	MW-5		18	Various	X	X	X				"	"				" # W2008-0533 MW-5 MS/MSD
008A	8	3/20/09	10:05	MW-6		7	Various	X	X	X				"	"				" " # W2008-0534 MW-6
009A	9	3/20/09	11:00	MW-7		7	Various	X	X	X				"	"				" " # W2008-0535 MW-7
010A	10	3/19/09	14:30	MW-Dup	↓	6	Various	X	X	X									
	11																		
	12																		Bottles:
	13																	4	40ml VOA'S
	14																	2	Liter Amber
	15																	1	250ml Poly (LPE)
	16																		
	17			3/20/09 BS															
	18																		Temp 4°C
	19																		[signature]
	20																		3-20-09

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Instructions/Remarks:	Send Results To:
[signature]	3/20/09 16:10	N. G. Ghodasara	Email Reslts to: CAlmestad@kleinfelder.com	Kleinfelder 1970 Broadway, Suite Oakland, CA
Relinquished by: (Signature)	Date/Time	Received by: (Signature)		
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)		Attn: Charlie Almestad

ENV-02 REV 05/08) Drop-off.

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

CHAIN OF CUSTODY

COC № 12283