DEPARTMENT OF TRANSPORTATION
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Flex your power!
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March 29, 2011

Ms. Barbara Jakub
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Report Submittal- 6th Street & Castro Street, Oakland, CA 94607

Reference: ACEH Fuel Leak Case No. RO250, Facility Global ID # T0600102155

Dear Ms. Jakub:

On behalf of California Department of Transportation (Caltrans), I am pleased to submit the following environmental investigation reports for the above referenced site:

1. 6th at Castro St, Oakland Work Plan
2. 4th Quarter 2008 Quarter Groundwater Monitoring Report
3. 1st Quarter 2009 Groundwater Monitoring Report
4. 2nd Quarter 2009 Groundwater Monitoring Report
5. Caltrans Site Investigation 6th and castro_OAK9R048.pdf
6. 2nd Quarter 2000 GW Monitoring Report

The groundwater monitoring reports were prepared by Kleinflder, Inc. and Professional Service Industries. The work plan for further investigation was prepared by Northgate Environmental Management, Inc.

Certification

I certify under penalty of law that these documents are prepared for Caltrans by the consultants in accordance with the system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing the violations.

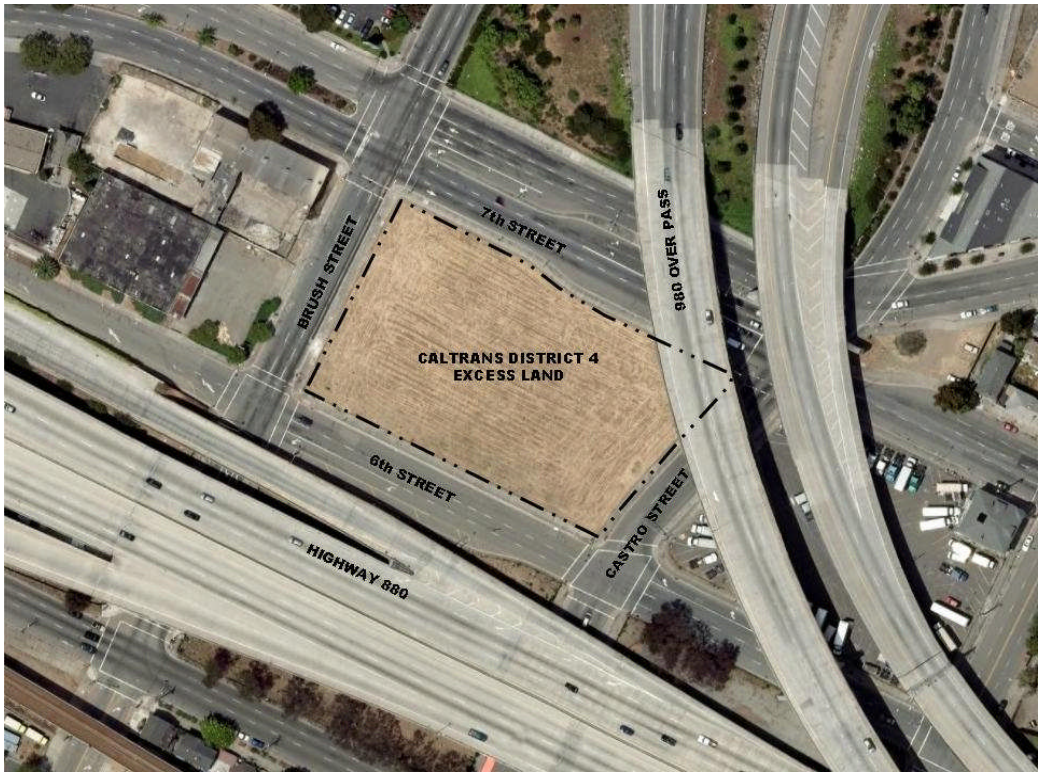
If you have any questions, or comments, please contact me at (510) 286-5635.

Sincerely,

Charles D. Smith

CHARLES D. SMITH, P.E.
Senior Transportation Engineer
Office of Environmental Engineering

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



KLEINFELDER

June 26, 2009

A Report Prepared for:

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

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

Project No. 95539/4

Prepared by:

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June 26, 2009

TABLE OF CONTENTS

TABLES

PLATES

APPENDICES

1.0 INTRODUCTION

This report describes the field activities and analytical results for the Second Quarter 2009 groundwater monitoring event at the California Department of Transportation (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 shows a site map. The work described herein was performed by Kleinfelder for Caltrans in response to Task 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 (TPH) and volatile organic compounds (VOCs);
- Measurement of groundwater levels in the seven monitoring wells; and
- Containment and disposal of the purge water generated during groundwater sampling. This report is the fourth and last report prepared pursuant to Caltrans Task Order 4 for the site.

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 and is located in an area of commercial land use. The terrain is relatively flat and has an elevation of approximately 20 feet National American Vertical Datum (NAVD). The site was historically used for residential and commercial purposes, dating back to at least 1936. The site's Assessors Parcel Number (APN) is 1-221-14-1.

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, with the exception of the residence at 722 Sixth Street, the buildings that occupied the site were demolished. 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 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 of the Site.

According to Engeo (1993) in January 1971 the Oakland Fire Department issued Caltrans a permit to remove three USTs from the site: one 10,000-, one 7,500-, and one 5,000-gallon UST.

In 1987, ERM-West compiled a site history and identified former businesses activities that could result in 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 consisting of advancing seven boreholes for collecting subsurface soil and groundwater samples (Plate 2). The results of this investigation included four soil samples containing low concentrations of ethylbenzene, toluene, and xylene. Similarly, 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. A storm drain was identified in the south corner of the site during the course of the geophysical investigation. 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 & 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 samples.

In 1996, International Technology Corporation (ITC) advanced 11 borings and collected soil samples at multiple depths. The soil samples were analyzed for TPH-g, TPH-d, oil & 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 (MW-1, MW-2, and MW-3) 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 lead and of oil and grease were present throughout the site, especially in subsurface soil. From 1999 to 2001 PSI conducted groundwater monitoring in the three wells. Groundwater samples were analyzed for TPH-g, TPH-d, TPH-motor oil (TPH-mo), oil & grease, BTEX, VOCs, and lead. For seven quarters, analytes tested in MW-1 and MW-3 contained either relatively low concentrations of analytes, or the analytes were not detected above laboratory reporting limits. Groundwater samples from monitoring well MW-2 indicated elevated concentrations of TPH-g, BTEX, and VOCs.

In November 2001, IRIS Environmental conducted a soil and groundwater investigation on the site and on two adjacent parcels also owned by Caltrans (Caltrans, 2002). During the investigation, TPH-mo, TPH-g, TPH-d, and lead were detected in soil samples from multiple locations. TPH-g, ethylbenzene, toluene, and xylene were reported above the laboratory's reporting limits in most groundwater samples.

2.2.3 Kleinfelder Investigations

In September 2008, in accordance with the June 15, 2008 Task Order Number 4 issued by Caltrans Kleinfelder performed an 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 chemical 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 investigation also assessed anomalies identified in a previous geophysical survey performed at the site. The locations of the investigation points are shown on Plate 2. Results of the Kleinfelder investigation were summarized in the 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 the 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 during the second quarter of 2009.

3.1 GROUNDWATER MONITORING ACTIVITIES

The second quarter 2009 groundwater monitoring event took place on June 15 and 17, 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. These results are discussed in Section 4.1.

3.1.2 Groundwater Sample Collection

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

After purging, groundwater samples from each monitoring well were collected using a disposable bailer. The groundwater samples were was decanted into the appropriate laboratory supplied containers. The containers were labeled and subsequently placed in a pre-chilled cooler with ice pending 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 second 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,
- Total Dissolved Solids using EPA Method 160.1.

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.

The drum contents were profiled for disposal. On June 24, 2009, Dillard Environmental Services collected the drums and transported them to Clean Harbor for disposal. Transportation and disposal documentation is included as Appendix A.

4.0 SUMMARY OF RESULTS

This section summarizes the water-level measurements and groundwater chemical analysis results. Table 1 provides monitoring well construction details and Plate 2 shows the location of the monitoring wells. Table 3 summarizes groundwater purge data and Table 4 presents a summary of the chemicals of concern reported in groundwater samples from the site.

4.1 GROUNDWATER LEVELS

On June 15, 2009 the depth to groundwater below the top of casings ranged from 15.26 (MW-2) to 20.68 (MW-1) feet. Groundwater surface elevations ranged from 8.72 (MW-7) to 9.44 (MW-1) feet (North American Vertical Datum 1988). Depth to water measurements and groundwater surface elevations are summarized in Table 2. Since March 19, 2009, the last time Kleinfelder measured water levels, the groundwater surface elevations dropped between 1.03 and 1.14 feet. This drop in groundwater surface elevations is likely a reflection of the seasonal lack of precipitation.

Water-level measurements were used to estimate groundwater surface elevation contours (Plate 2). Based on the depth to groundwater data obtained on June 15, 2009, groundwater beneath the site was estimated to flow to the southwest, with an approximate 0.003-ft/ft hydraulic gradient. The second quarter 2009 flow direction and hydraulic gradient is similar to that found in previous groundwater monitoring events at the site.

4.2 QUALITY ASSURANCE / QUALITY CONTROL

No laboratory quality assurance / quality control parameters deviated from accepted norms in the set of samples collected for the second quarter 2009groundwater monitoring event. Samples were preserved and transported to the laboratory under chain-of-custody control protocols (Appendix B). All samples were analyzed within holding times, method blanks were not found to contain chemicals of concern, and surrogate recoveries were within accepted ranges.

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

Comparison of the primary and duplicate samples collected from well MW-2 indicates that, in general the concentrations reported in the duplicate sample are generally within the range of past duplicate analytical results (Table 4).

4.3 GROUNDWATER SAMPLE RESULTS

Groundwater samples from wells MW-2, MW-4, MW-6, and MW-7 were collected on June 15 and samples from wells MW-1, MW-3 and MW-5 were collected on June 17, 2009. All groundwater samples were analyzed for TPH-g, TPH-d, VOCs, including fuel oxygenates, and total dissolved solids (TDS) using the EPA Methods listed in Section 3.1.3. Certified analytical laboratory reports are included as Appendix C in this report.

4.3.1 Purge Characteristic Data

Prior to sample collection, the wells were purged of approximate three case volumes of groundwater to obtain representative samples of the conditions of the groundwater bearing zone. Temperature, pH and electrical conductivity (EC) were measured during purging. Table 3 summarizes the final groundwater purge data obtained prior to collecting the samples in June 2009.

4.3.2 Total Petroleum Hydrocarbons and Volatile Organic Compounds

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. To assess the quality of the groundwater at the site, 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). ESLs developed for groundwater deemed a current or potential source of drinking water were used. The following subsections summarize the TPH and VOCs analytical results.

4.3.2.1 Total Petroleum Hydrocarbons

Consistent with the analytical results of previous groundwater monitoring events at the site, TPH-g or TPH-d concentrations were not detected at or above the reporting limits in the groundwater samples from MW-1, MW-3, MW-4, MW-5, MW-6, and MW-7. Petroleum hydrocarbons at concentrations above their respective ESLs were reported in the groundwater samples (primary and duplicate) from MW-2. TPH-g and TPH-d were reported at 46,000 µg/L and 2,000 µg/L, respectively. These concentrations are slightly lower than those reported in the March 2009 groundwater monitoring event, where TPH-g and TPH-d were reported at 57,000 µg/L and 3,920 µg/L, respectively. The analytical results are summarized in Table 4.

4.3.2.2 Volatile Organics

With the exception of the sample from monitoring well MW-2 no VOCs were reported in the groundwater samples were reported. BTEX concentrations in MW-2 in June 2009 were reported up to 650 µg/L, 1,700 µg/L, 2,300 µg/L, and 11,000 µg/L, respectively. The concentration of benzene detected in this groundwater monitoring event is higher than the 418 µg/L reported in March 2009 and in previous monitoring events. TEX concentrations are similar or lower to those reported in March 2009.

1,2 dichloroethane (EDC), 1,2 dichloropropane, and naphthalene were reported at 120 µg/L, 31 µg/L, and 770 µg/L, respectively. These concentrations are relatively similar to those reported in March 2009. Methyl tert butyl ether (MTBE) was not reported in any of the samples, nor has it been reported in past samples for the site.

Other VOCs, including isopropylbenzene, 4-isopropyltoluene, propylbenzene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene, were reported above the laboratory's reporting limit at concentrations listed in Table 4. No ESLs have been established for isopropylbenzene, 4-isopropyltoluene, propylbenzene, 1,2,4-trimethylbenzene or 1,3,5-trimethylbenzene. No other VOCs were reported in the samples collected for the June 2009 groundwater monitoring event.

5.0 CONCLUSIONS

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

The direction of groundwater flow in June 2009 was to the southwest (Plate 2). This flow pattern is similar to the patterns observed in previous groundwater monitoring events at the site. Compared to the first quarter 2009 groundwater monitoring event, groundwater surface elevations declined in all the monitoring wells during the second quarter 2009. The groundwater measurements collected at the site suggest that groundwater levels are influenced by seasonal precipitation patterns.

Analytical results for the groundwater samples collected in June 2009 were similar to those found during the March 2009 sampling event. No chemicals of concern were detected in groundwater from wells MW-1, MW-3, MW-4, MW-5, MW-6, and MW-7. The analytical results of the groundwater sample from MW-2 indicate a slight increase in benzene but generally lower concentrations of the other chemicals of concern relative to past groundwater monitoring events. With the exception of benzene in the groundwater sample from MW-2, concentrations of petroleum hydrocarbons were for the most part lower than in past groundwater monitoring events.

The analytical results obtained during the four quarterly groundwater monitoring events suggest that the chemicals of concern remain at relatively constant concentrations and that the plume of impacted groundwater at the site is stable.

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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International Technology Corporation (ITC), 1996. Boring Logs and Locations and Detected Analytes in Soil and Groundwater, Oakland Site, Sixth Street and Castro Street. October 15.

Kleinfelder 2008 Site Investigation Work Plan, Caltrans Property, Sixth Street and Castro Street. Oakland, California. May 30.

Kleinfelder 2008 Site Investigation, Caltrans Property, Sixth Street and Castro Street. Oakland, California. November 25.

Norcal Geophysical Consultants, Inc. (Norcal), 1995. Geophysical Survey Investigation, letter report included as appendix to Geocon 1995 report.

PSI, 1999. Summary of Groundwater Analytical Data, State Right-of-Way, Sixth and Castro Streets, Oakland, California. October 25.

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
	6/15/2009	20.68	9.44
MW-2	9/16/2008	15.48	8.79
	12/22/2008	15.58	8.69
	3/19/2009	14.15	10.12
	6/15/2009	15.26	9.01
MW-3	9/16/2008	15.92	8.84
	12/22/2008	16.02	8.74
	3/19/2009	14.59	10.17
	6/15/2009	15.71	9.05
MW-4	9/16/2008	17.29	9.01
	12/22/2008	17.44	8.86
	3/19/2009	15.97	10.33
	6/15/2009	17.11	9.19
MW-5	9/16/2008	15.87	8.84
	12/22/2008	15.93	8.78
	3/19/2009	14.53	10.18
	6/15/2009	15.66	9.05
MW-6	9/16/2008	15.74	8.52
	12/22/2008	15.81	8.45
	3/19/2009	14.40	9.86
	6/15/2009	15.51	8.75
MW-7	9/16/2008	16.42	8.49
	12/22/2008	16.47	8.44
	3/19/2009	15.07	9.84
	6/15/2009	16.19	8.72

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 Groundwater Characteristics

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
	6/17/2009	1.54	6.24	734	18.1
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
	6/15/2009	5.0	5.96	732	19.2
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
	6/17/2009	4.5	6.26	604	18.1
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
	6/15/2009	10.5	6.06	1073	18.3
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
	6/17/2009	5.2	6.31	430	17.2
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
	6/15/2009	6.5	5.64	679	16.40
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
	6/15/2009	6.8	5.86	759	16.20

Notes:

C Celsius

µmhos/cm microsiemens per centimeter

Table 4
Total Petroleum Hydrocarbons, Volatile Organic Compounds 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)	1,2 Dichloropropane	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)	Butylbenzene (n)	Total Dissolved Solids (TDS)
MW-1	09/16/08	<50	<125	<0.50	<0.50	< 6.0	<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	< 0.50	590
	12/22/08	<113	<50	<0.50	<0.50	< 1.0	<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	<0.50	NT
	03/20/09	<100	<50	<0.50	<0.50	< 1.0	<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	<0.50	580
	06/17/09	<100	<50	<0.50	<0.50	< 1.0	<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	<0.50	10
MW-2	09/16/08	**2,800**	**47,000**	**496**	**41.4**	< 264	**1,530**	66.0	<22	**1,050**	270	<22	**1,710**	<22	2,120	410	**8,040**	NT	<22	<22	600
	9/16/2008 Dup	**3,030**	**57,000**	**437**	**40.9**	< 264	**1,770**	112	<22	**3,500**	547	<22	**1,680**	<22	4,250	859	**10,400**	NT	<22	<22	NT
	12/22/08	**1,510a**	**33,000**	**437**	**31.7**	< 44	**1,360**	63.8	<22	**89.3**	226	<22	**1,200**	<22	1,850	398	**8,870**	<22	<22	< 22	NT
	12/22/2008 Dup	**2,010a**	**31,000**	**480**	**34.3**	< 44	**1,500**	65.6	<22	**198**	238	<22	**1,490**	<22	1,930	433	**10,200**	<22	<22	< 22	NT
	03/19/09	**3,630a**	**48,000**	**418**	<22	< 44	**2,930**	85.4	23.8	**998**	334	<22	**1,690**	<22	2,530	685	**15,400**	<0.500	<22	< 22	380
	3/19/2009 Dup	**3,920**	**57,000**	**340**	<22	< 44	**2,300**	100	<22	**430**	350	<22	**1,800**	<22	2,600	690	**17,000**	<22	310	< 22	410
	06/15/09	**2,000**	**40,000**	**520**	**120**	< 44	**1,900**	61	<22	**510**	210	<22	**1,200**	<22	1,600	440	**8,500**	<22	<22	< 22	10
	6/15/2009 Dup	**1760x**	**46,000**	**650**	**120**	**31**	**2,300**	78	22	**770**	250	<22	**1,700**	<22	2,000	520	**11,000**	<22	15	25	10
MW-3	09/16/08	<50	<125	<0.50	<0.50	< 6.0	<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	< 0.50	430
	12/22/08	<120	<50	<0.50	<0.50	< 1.0	<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	<0.50	NT
	3/19/2009	<100	<50	<0.50	<0.50	< 1.0	<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	<0.50	360
	6/17/2009	<100	<50	<0.50	<0.50	< 1.0	<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	<0.50	10
MW-4	09/16/08	<50	<100	<0.50	<0.50	< 6.0	<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	< 0.50	900
	12/22/08	<117	<55	<0.55	<0.55	< 1.1	<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	< 0.55	NT
	3/14/2009	<100	<50	<0.50	<0.50	< 1.0	<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	< 0.50	720
	6/15/2009	<100	<50	<0.50	<0.50	< 1.1	<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	< 0.55	10
MW-5	09/16/08	<50	<100	<50	<100	< 7.14	<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	< 0.6	<1.79
	12/22/08	<117	<55	<0.57	<0.57	< 1.13	<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	< 0.57	NT
	3/19/2009	<100	<50	<0.50	<0.50	< 1.0	<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	<0.50	310
	6/17/2009	<100	<50	<0.50	<0.50	< 1.0	<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	<0.50	10
MW-6	09/16/08	<50	<122	<0.50	<0.50	< 6.0	<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	< 0.50	540
	12/23/08	<100	<50	<0.50	<0.50	< 1.0	<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	< 0.50	NT
	03/20/09	<100	<50	<0.50	<0.50	ND	<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	< 0.50	350
	06/15/09	<100	<50	<0.50	<0.50	< 1.0	<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	< 0.50	10
MW-7	09/16/08	<50	<125	<0.50	<0.50	< 6.0	<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	< 0.50	580
	12/23/08	<100	<50	<0.50	<0.50	< 1.0	<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	< 0.50	NT
	03/20/09	<100	<50	<0.50	<0.50	ND	<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	<0.50	620
	06/15/09	<100	<50	<0.50	<0.50	< 1.0	<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	<0.50	10
ESL*		100	100	1.0	0.5	5	30	NE	NE	17	NE	5.0	40	5.0	NE	NE	20	5.0	NE	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.

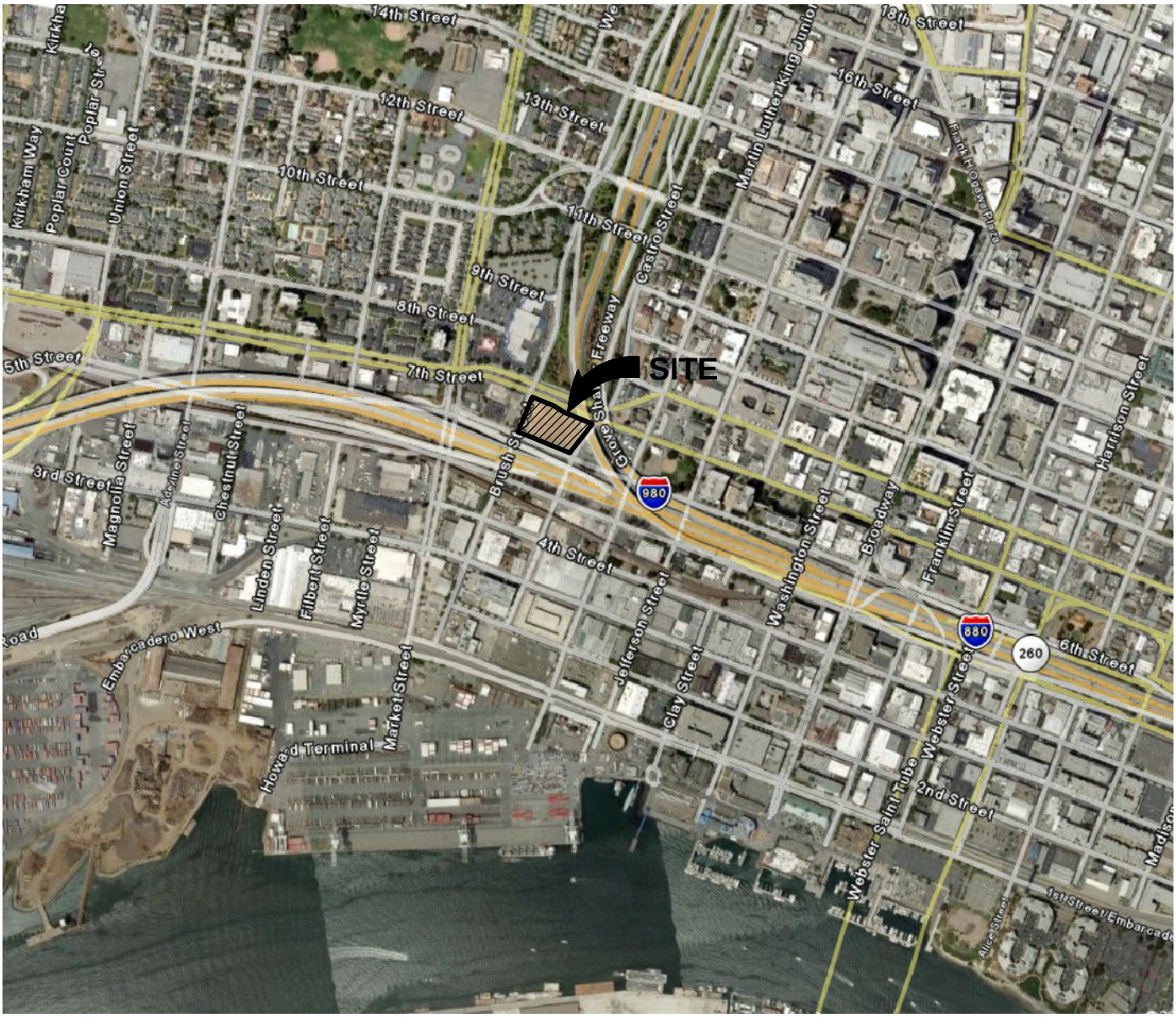
* ESL - Environmental Screening Levels from San Francisco Regional Water Quality Control Board, Interim Final - November 2007 (revised May 2008). Lowest level reported from:
Table F-1a. Environmental Screening Levels. Groundwater IS a current or potential drinking water source.

x Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within diesel range quantified as diesel

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:	JUNE 2009
DRAWN BY:	JDS
CHECKED BY:	GF
FILE NAME:	GWS_June09.dwg

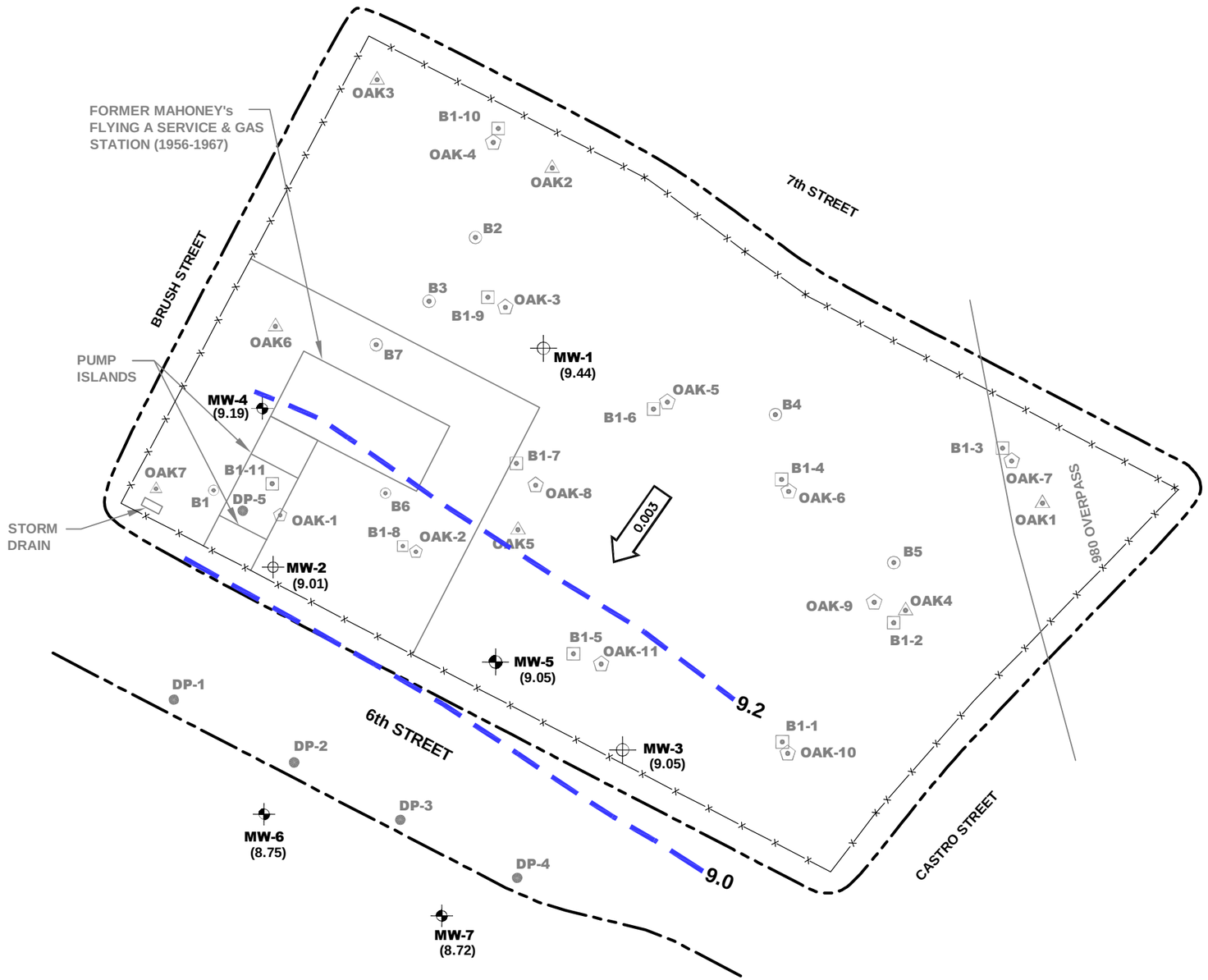
SITE VICINITY MAP

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

PLATE
1

PLOTTED: 22 Jun 2009, 1:47pm, dfahmey
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: L:\2009\CADD\95539\ LAYOUT: SITE-VIC

PLOTTED: 23 Jun 2009, 3:46pm, dfahmey



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)
- 9.0 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

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: L:\2009\CADD\95539\ LAYOUT: GW-ELEVS

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

PROJECT NO.	95539
DRAWN:	JUNE 2009
DRAWN BY:	JDS
CHECKED BY:	CA
FILE NAME:	GWS_June09.dwg

GROUNDWATER ELEVATION CONTOUR: JUNE 15, 2009

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

PLATE **2**

APPENDIX A

INVESTIGATION DERIVED WASTE DISPOSAL DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
		[illegible]	63407

5. Generator's Name and Mailing Address
CalTrans Dist 4
111 Grand Ave.
Oakland, CA 94607 USA
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)
6th Street Between Castro and Bush
Oakland, CA 94612 USA

6. Transporter 1 Company Name: DILLARD ENVIRONMENTAL SERVICES — U.S. EPA ID Number: CAD982523433

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Cleanharbors - San Jose
1021 Berryessa Rd.
San Jose, CA 95133 USA
Facility's Phone: 408-451-5000
U.S. EPA ID Number: CAD059494310

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. None, Non Hazardous, Non D.O.T. Regulated Material, (Non-Hazardous Waste Water),N/A	2	DM	110	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
DES JOB # 963-006
PF: CH377594
SO # DJ2375645

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DANA GODDARD | Signature | Month 06 | Day 24 | Year 09
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name | Signature | Month | Day | Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

APPENDIX B

CHAIN-OF-CUSTODY RECORDS

KLEINFELDER
Bright People. Right Solutions.

0906123

PROJECT NO.	PROJECT NAME	RECEIVING LAB:
95539/2	Caltrans Oakland 6th and Castro street	Torrent lab

L.P. NO. (P.O. NO.):

SAMPLERS: (Signature/Number) William Uchiyama

INSTRUCTIONS/REMARKS: Results by Friday 06/19/09 by Noon

		DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	VOC's (EPA 8260) Full lists and	fuel oxygenates and Pb	EPA 8015 TPHg/TPHd	with silica gel clean-up	EPA 160.1 total Dissolved Solids	INSTRUCTIONS/REMARKS
001A	1	06/17/09	08-45-00	MW-1	Water	4	VOA's	X	X				HCL
001A	2	↓	08-45-00	MW-1	↓	2	1-liter Amber			X	X		
001A	3		08-45-00	MW-1		1	250 ml poly					X	
002A	4		09-55-00	MW-3		4	VOA's	X	X				HCL
002A	5		09-55-00	MW-3		2	1-liter Amber			X	X		
002A	6		09-55-00	MW-3		1	250 ml poly					X	
003A	7		11-10-00	MW-5		4	VOA's	X	X				HCL - registered well W2008-0533 MW-5
003A	8		11-10-00	MW-5		2	1-liter Amber			X	X		
003A	9	↓	11-10-00	MW-5		1	250 ml poly					X	
004A	10	06/15/09	—	TB-061509 #1 & 2	↓	2	VOA's	X	X				HCL
	11												
	12												
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												

Temp 4°C

RUSH 2 DAYS

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
William Uchiyama	06/17/09 13:06	NAYING N. L. Ghadasara
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks: Email to CAlmestad@Kleinfelder.com

Send Results To: Kleinfelder, 1970 Broadway, Suite 710 Oakland Ca 94612

Attn: Charlie Almestad

ENV-02 REV 05/08)

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

D|O.

CHAIN OF CUSTODY

COC № 13582

KLEINFELDER
Bright People. Right Solutions.

0906110

PROJECT NO.	PROJECT NAME	RECEIVING LAB:
95539/2	CALtrans Oakland 6th and Castro Street	Torrent Lab

L.P. NO. (P.O. NO.):

SAMPLERS: (Signature/Number) William Uchugom [signature]

INSTRUCTIONS/REMARKS: Results by Friday 06/19/09 by Noon

ANALYSIS: (A) EPA 8260 full list and fuel oxygenates and BTEX; (B) EPA 8015 TPHg / TPHd with silica gel clean up; (C) EPA 160.1 Total Dissolved solids

Lab ID	#	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	A	B	C	INSTRUCTIONS/REMARKS
-001A	1	06/15/09	09-45-00	MW-6	Water	4	VOAs	X			HCL registered well W2008-0534 MW-6
	2		09-45-00	MW-6		2	1-liter amber		X		" " " "
	3		09-45-00	MW-6		1	250ml poly			X	" " " "
-002A	4		11-05-00	MW-7		4	VOAs	X			HCL registered well W2008-0535 MW-7
	5		11-05-00	MW-7		2	1-liter amber		X		" " " "
	6		11-05-00	MW-7		1	250ml poly			X	" " " "
-003A	7		12-30-00	MW-2		4	VOA	X			HCL
	8		12-30-00	MW-2		2	liter amber		X		
	9		12-30-00	MW-2		1	250ml poly			X	
-004A	10		12-35-00	MW-Dup		4	VOA	X			HCL
	11		12-35-00	MW-Dup		2	1-liter amber		X		
	12		12-35-00	MW-Dup		1	250ml poly			X	
-005A	13		13-55-00	MW-4		4	VOA	X			HCL registered well W2008-0532 MW-4
	14		13-55-00	MW-4		2	liter amber		X		" " " "
	15		13-55-00	MW-4		1	250ml poly			X	" " " "
-006A	16	06/12/09	NA	TB061209#1E2	↓	2	VOA	X			HCL
	17	~~06/12/09~~	~~NA~~								
	18										Temp 8°C
	19										
	20										6-15-09

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
William Uchugom [signature]	06/15/09 17:21	Janet L-D-Imbert [signature] 6-15-09 17:21
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks: Email to CAlmestad@kleinfelder.com. More Sample to arrive on 06/17/09 for this Job

Send Results To: Kleinfelder, 1970 Broadway, Suite 710, Oakland Ca 94612

Attn: Charlie Almestad

ENV-02 REV 05/08) NO 6/16. White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

6/16 COC No 13550

CHAIN OF CUSTODY

APPENDIX C

CERTIFIED ANALYTICAL LABORATORY REPORTS

Torrent
LABORATORY, INC.

June 19, 2009

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

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

RE: 95539/2

Order No.: 0906123

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 4 samples on 6/17/2009 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

6/19/09
Date

Patti Sandrock
QA Officer

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road * Milpitas, CA * Phone: (408) 2635258 * Fax: (408) 263-8293
Visit us ar www.torrentlab.com email: analysis@torrentlab.com

Report Prepaired For: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Summary Report

MW-1 **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906123-001A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	520	10	mg/L

MW-3 **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906123-002A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	400	10	mg/L

MW-5 **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906123-003A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	290	10	mg/L

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: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-1
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 8:45:00 AM

Lab Sample ID: 0906123-001
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	520	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/17/2009	0.1	1	0.10	ND	mg/L	R19909
Surr: Pentacosane	SW8015B	6/17/2009	0	1	64.2-123	83.0	%REC	R19909

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-1
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 8:45:00 AM

Lab Sample ID: 0906123-001
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	1	6.0	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	1	10	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-1
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 8:45:00 AM

Lab Sample ID: 0906123-001
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	1	1.5	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	1	61.2-131	92.7	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	1	64.1-120	112	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	1	75.1-127	106	%REC	R19934
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	1	50	ND	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	1	53-118	85.1	%REC	G19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-3
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 9:55:00 AM

Lab Sample ID: 0906123-002
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	400	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/17/2009	0.1	1	0.10	ND	mg/L	R19909
Surr: Pentacosane	SW8015B	6/17/2009	0	1	64.2-123	86.0	%REC	R19909

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-3
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 9:55:00 AM

Lab Sample ID: 0906123-002
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	1	6.0	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	1	10	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-3
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 9:55:00 AM

Lab Sample ID: 0906123-002
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	1	1.5	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	1	61.2-131	92.7	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	1	64.1-120	109	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	1	75.1-127	104	%REC	R19934
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	1	50	ND	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	1	53-118	82.1	%REC	G19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-5
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 11:10:00 AM

Lab Sample ID: 0906123-003
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	290	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/17/2009	0.1	1	0.10	ND	mg/L	R19909
Surr: Pentacosane	SW8015B	6/17/2009	0	1	64.2-123	88.0	%REC	R19909

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-5
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 11:10:00 AM

Lab Sample ID: 0906123-003
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	1	6.0	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	1	10	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: MW-5
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/17/2009 11:10:00 AM

Lab Sample ID: 0906123-003
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	1	1.5	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	1	61.2-131	102	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	1	64.1-120	111	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	1	75.1-127	106	%REC	R19934
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	1	50	ND	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	1	53-118	80.3	%REC	G19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: TB-061509#1
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/15/2009

Lab Sample ID: 0906123-004
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	1	6.0	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	1	10	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/17/2009
Date Reported: 6/19/2009

Client Sample ID: TB-061509#1
Sample Location: Caltrans Oakland
Sample Matrix: WATER
Date/Time Sampled 6/15/2009

Lab Sample ID: 0906123-004
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	1	1.5	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	1	61.2-131	95.5	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	1	64.1-120	101	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	1	75.1-127	101	%REC	R19934

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: 0906123
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: G19934

Sample ID **MB_G19934**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **G19934**	TestNo: **SW8260B(TP**		Analysis Date: **6/17/2009**	SeqNo: **288352**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	9.660	0	11.36	0	85.0	53	118				

Sample ID **LCS_G19934**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **G19934**	TestNo: **SW8260B(TP**		Analysis Date: **6/17/2009**	SeqNo: **288353**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	233.0	50	227	0	103	52.4	127				
Surr: 4-Bromofllurobenzene	11.05	0	11.36	0	97.3	53	118				

Sample ID **LCSD_G19934**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **6/18/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **G19934**	TestNo: **SW8260B(TP**		Analysis Date: **6/18/2009**	SeqNo: **288354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	242.0	50	227	0	107	52.4	127	233	3.79	20	
Surr: 4-Bromofllurobenzene	11.23	0	11.36	0	98.9	53	118	0	0	0	

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0906123
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19909

Sample ID	WDSG090616A-MB	SampType:	MBLK	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	6/16/2009	RunNo:	19909
Client ID:	ZZZZZ	Batch ID:	R19909	TestNo:	SW8015B			Analysis Date:	6/16/2009	SeqNo:	287935

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.10									
Surr: Pentacosane	0.09500	0	0.1	0	95.0	64.2	123				

Sample ID	WDSG090617A-MB	SampType:	MBLK	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	6/16/2009	RunNo:	19909
Client ID:	ZZZZZ	Batch ID:	R19909	TestNo:	SW8015B			Analysis Date:	6/17/2009	SeqNo:	288393

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.10									
Surr: Pentacosane	0.09900	0	0.1	0	99.0	64.2	123				

Sample ID	WDSG090616A-LCS	SampType:	LCS	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	6/16/2009	RunNo:	19909
Client ID:	ZZZZZ	Batch ID:	R19909	TestNo:	SW8015B			Analysis Date:	6/16/2009	SeqNo:	287936

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.5240	0.10	1	0	52.4	34.5	95.6				
Surr: Pentacosane	0.09000	0	0.1	0	90.0	64.2	123				

Sample ID	WDSG090616A-LCS	SampType:	LCSD	TestCode:	TPHDSG_W	Units:	mg/L	Prep Date:	6/16/2009	RunNo:	19909
Client ID:	ZZZZZ	Batch ID:	R19909	TestNo:	SW8015B			Analysis Date:	6/16/2009	SeqNo:	287937

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.5640	0.10	1	0	56.4	34.5	95.6	0.524	7.35	30	
Surr: Pentacosane	0.1060	0	0.1	0	106	64.2	123	0	0	0	

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0906123
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19934

Sample ID **MB_R19934**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	1.0									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	1.0									
1,2,3-Trichloropropane	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane (EDB)	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane (EDC)	ND	0.50									
1,2-Dichloropropane	ND	1.0									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chloroethyl vinyl ether	ND	6.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Acetone	ND	10									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromochloromethane	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	1.0									
Bromomethane	ND	1.0									

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: 0906123
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19934

Sample ID **MB_R19934**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Diisopropyl ether (DIPE)	ND	0.50									
Ethyl tert-butyl ether (ETBE)	ND	0.50									
Ethylbenzene	ND	0.50									
Freon-113	ND	1.0									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	1.0									
Methyl tert-butyl ether (MTBE)	ND	0.50									
Methylene chloride	ND	5.0									
Naphthalene	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
t-Butyl alcohol (t-Butanol)	ND	5.0									
tert-Amyl methyl ether (TAME)	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
trans-1,3-Dichloropropene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									

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: 0906123
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19934

Sample ID **MB_R19934**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Xylenes, Total	ND	1.5									
Surr: Dibromofluoromethane	12.03	0	11.36	0	106	61.2	131				
Surr: 4-Bromofluorobenzene	12.76	0	11.36	0	112	64.1	120				
Surr: Toluene-d8	11.74	0	11.36	0	103	75.1	127				

Sample ID **LCS_R19934**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288325**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.57	1.0	17.04	0	103	61.4	129				
Benzene	18.22	0.50	17.04	0	107	66.9	140				
Chlorobenzene	17.28	0.50	17.04	0	101	73.9	137				
Toluene	17.79	0.50	17.04	0	104	76.6	123				
Trichloroethene	17.62	0.50	17.04	0	103	69.3	144				
Surr: Dibromofluoromethane	11.75	0	11.36	0	103	61.2	131				
Surr: 4-Bromofluorobenzene	12.39	0	11.36	0	109	64.1	120				
Surr: Toluene-d8	12.03	0	11.36	0	106	75.1	127				

Sample ID **LCSD_R19934**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288326**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.43	1.0	17.04	0	102	61.4	129	17.57	0.800	20	
Benzene	18.62	0.50	17.04	0	109	66.9	140	18.22	2.17	20	
Chlorobenzene	18.41	0.50	17.04	0	108	73.9	137	17.28	6.33	20	
Toluene	18.58	0.50	17.04	0	109	76.6	123	17.79	4.34	20	
Trichloroethene	18.46	0.50	17.04	0	108	69.3	144	17.62	4.66	20	
Surr: Dibromofluoromethane	11.50	0	11.36	0	101	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	12.90	0	11.36	0	114	64.1	120	0	0	0	
Surr: Toluene-d8	12.23	0	11.36	0	108	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: 0906123
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19943

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **TDS_W**	Units: **mg/L**	Prep Date:	RunNo: **19943**
Client ID: **ZZZZZ**	Batch ID: **R19943**	TestNo: **E160.1**		Analysis Date: **6/18/2009**	SeqNo: **288460**

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

KLEINFELDER
Bright People. Right Solutions.

0906123

PROJECT NO.	PROJECT NAME	RECEIVING LAB:
95539/2	Caltrans Oakland 6th and Castro street	Torrent lab

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

SAMPLERS: (Signature/Number) William Uchiyama

INSTRUCTIONS/REMARKS: Results by Friday 06/19/09 by Noon

	#	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CONTAINERS	TYPE OF CONTAINERS	VOC's EPA 8260 full lists and fuel oxygenates and BTEX	EPA 8015 TPHg/TPHd with silica gel clean-up	EPA 160.1 Total Dissolved Solids	INSTRUCTIONS/REMARKS
001A	1	06/17/09	08-45-00	MW-1	Water	4	VOA's	X			HCL
001A	2		08-45-00	MW-1		2	1-liter Amber		X		
001A	3		08-45-00	MW-1		1	250 ml poly			X	
002A	4		09-55-00	MW-3		4	VOA's	X			HCL
002A	5		09-55-00	MW-3		2	1-liter Amber		X		
002A	6		09-55-00	MW-3		1	250 ml poly			X	
003A	7		11-10-00	MW-5		4	VOA's	X			HCL registered well W2008-0533 MW-5
003A	8		11-10-00	MW-5		2	1-liter Amber		X		
003A	9		11-10-00	MW-5		1	250 ml poly			X	
004A	10	06/15/09	—	TB-061509 #1 & 2		2	VOA's	X			HCL
	11										
	12										
	13										
	14										
	15										
	16										
	17										
	18										
	19										
	20										

Temp 4°C

RUSH 2 DAYS

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
William Uchiyama	06/17/09 13:06	NAYING N. G. Ghadasara

Instructions/Remarks: Email to CAlmestad@Kleinfelder.com

Send Results To: Kleinfelder, 1970 Broadway, Suite 710 Oakland Ca 94612

Attn: Charlie Almestad

ENV-02 REV 05/08)

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

D/O.

CHAIN OF CUSTODY

COC № 13582

Torrent
LABORATORY, INC.

June 19, 2009

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

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

RE: 95539/2

Order No.: 0906110

Dear Charlie Almestad:

Torrent Laboratory, Inc. received 6 samples on 6/15/2009 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 6/19/09 Date

Patti Sandrock
QA Officer

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road * Milpitas, CA * Phone: (408) 2635258 * Fax: (408) 263-8293
Visit us ar www.torrentlab.com email: analysis@torrentlab.com

Report Prepaired For: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Summary Report

MW-6 **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906110-001A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	420	10	mg/L

MW-7 **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906110-002A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	520	10	mg/L

MW-2 **VOLATILES by GC/MS** **Lab ID: 0906110-003A**

Parameter	Preped	Analyzed	Result	RL	Unit
1,2,4-Trimethylbenzene	6/18/2009	6/18/2009	1600	22	µg/L
1,2-Dichloroethane (EDC)	6/18/2009	6/18/2009	120	22	µg/L
1,3,5-Trimethylbenzene	6/18/2009	6/18/2009	440	22	µg/L
Benzene	6/18/2009	6/18/2009	520	22	µg/L
Ethylbenzene	6/18/2009	6/18/2009	1900	22	µg/L
Isopropylbenzene	6/18/2009	6/18/2009	61	44	µg/L
m,p-Xylene	6/18/2009	6/18/2009	6700	44	µg/L
Naphthalene	6/18/2009	6/18/2009	510	44	µg/L
n-Propylbenzene	6/18/2009	6/18/2009	210	22	µg/L
o-Xylene	6/18/2009	6/18/2009	1900	44	µg/L
Toluene	6/18/2009	6/18/2009	1200	22	µg/L
Xylenes, Total	6/18/2009	6/18/2009	8500	66	µg/L

MW-2 **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906110-003A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	510	10	mg/L

MW-2 **Gasoline by GC/MS** **Lab ID: 0906110-003A**

Parameter	Preped	Analyzed	Result	RL	Unit
TPH (Gasoline)	6/18/2009	6/18/2009	40000	2200	µg/L

MW-2 **Diesel Water by 8015 w/Silica Gel** **Lab ID: 0906110-003A**

Parameter	Preped	Analyzed	Result	RL	Unit
TPH (Diesel-SG)	6/16/2009	6/17/2009	2.0	0.20	mg/L

TORRENT LABORATORY, INC.

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

Report Prepaired For: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Summary Report

MW-Dup **VOLATILES by GC/MS** **Lab ID: 0906110-004A**

Parameter	Preped	Analyzed	Result	RL	Unit
1,2,4-Trimethylbenzene	6/18/2009	6/18/2009	2000	44	µg/L
1,2-Dichloroethane (EDC)	6/18/2009	6/18/2009	120	4.4	µg/L
1,2-Dichloropropane	6/18/2009	6/18/2009	31	8.8	µg/L
1,3,5-Trimethylbenzene	6/18/2009	6/18/2009	520	4.4	µg/L
4-Isopropyltoluene	6/18/2009	6/18/2009	22	4.4	µg/L
Benzene	6/18/2009	6/18/2009	650	4.4	µg/L
Ethylbenzene	6/18/2009	6/18/2009	2300	44	µg/L
Isopropylbenzene	6/18/2009	6/18/2009	78	8.8	µg/L
m,p-Xylene	6/18/2009	6/18/2009	8200	88	µg/L
Naphthalene	6/18/2009	6/18/2009	770	8.8	µg/L
n-Butylbenzene	6/18/2009	6/18/2009	25	4.4	µg/L
n-Propylbenzene	6/18/2009	6/18/2009	250	4.4	µg/L
o-Xylene	6/18/2009	6/18/2009	2300	88	µg/L
sec-Butylbenzene	6/18/2009	6/18/2009	15	4.4	µg/L
Toluene	6/18/2009	6/18/2009	1700	44	µg/L
Xylenes, Total	6/18/2009	6/18/2009	11000	130	µg/L

MW-Dup **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906110-004A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	500	10	mg/L

MW-Dup **Gasoline by GC/MS** **Lab ID: 0906110-004A**

Parameter	Preped	Analyzed	Result	RL	Unit
TPH (Gasoline)	6/18/2009	6/18/2009	46000	4400	µg/L

MW-Dup **Diesel Water by 8015 w/Silica Gel** **Lab ID: 0906110-004A**

Parameter	Preped	Analyzed	Result	RL	Unit
TPH (Diesel-SG)	6/16/2009	6/16/2009	1.8	0.10	mg/L

MW-4 **TOTAL DISSOLVED SOLIDS** **Lab ID: 0906110-005A**

Parameter	Preped	Analyzed	Result	RL	Unit
Total Dissolved Solids (Residue, Filte		6/18/2009	660	10	mg/L

TORRENT LABORATORY, INC.

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-6
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 9:45:00 AM

Lab Sample ID: 0906110-001
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	420	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/16/2009	0.1	1	0.10	ND	mg/L	R19909
Surr: Pentacosane	SW8015B	6/16/2009	0	1	64.2-123	114	%REC	R19909

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-6
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 9:45:00 AM

Lab Sample ID: 0906110-001
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	1	6.0	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	1	10	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-6
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 9:45:00 AM

Lab Sample ID: 0906110-001
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	1	1.5	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	1	61.2-131	98.0	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	1	64.1-120	118	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	1	75.1-127	102	%REC	R19934
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	1	50	ND	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	1	53-118	87.3	%REC	G19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-7
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 11:05:00 AM

Lab Sample ID: 0906110-002
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	520	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/16/2009	0.1	1	0.10	ND	mg/L	R19909
Surr: Pentacosane	SW8015B	6/16/2009	0	1	64.2-123	116	%REC	R19909

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-7
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 11:05:00 AM

Lab Sample ID: 0906110-002
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	1	6.0	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	1	10	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-7
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 11:05:00 AM

Lab Sample ID: 0906110-002
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	1	1.0	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	1	5.0	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	1	0.50	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	1	1.5	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	1	61.2-131	95.1	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	1	64.1-120	105	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	1	75.1-127	104	%REC	R19934
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	1	50	ND	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	1	53-118	89.7	%REC	G19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-2
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 12:30:00 PM

Lab Sample ID: 0906110-003
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	510	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/17/2009	0.1	2	0.20	2.03x	mg/L	R19909
Surr: Pentacosane	SW8015B	6/17/2009	0	2	64.2-123	90.0	%REC	R19909

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: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-2
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 12:30:00 PM

Lab Sample ID: 0906110-003
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	44	22	1600	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	44	22	120	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	44	22	440	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	44	260	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	44	440	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	44	22	520	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-2
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 12:30:00 PM

Lab Sample ID: 0906110-003
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	44	22	1900	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	44	44	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	44	44	61	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	44	220	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	44	44	510	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	44	22	210	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	44	220	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	44	22	1200	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	44	22	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	44	66	8500	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	44	61.2-131	91.5	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	44	64.1-120	114	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	44	75.1-127	99.9	%REC	R19934
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	44	2200	40000	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	44	53-118	89.9	%REC	G19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-Dup
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 12:35:00 PM

Lab Sample ID: 0906110-004
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	500	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/16/2009	0.1	1	0.10	1.76x	mg/L	R19909
Surr: Pentacosane	SW8015B	6/16/2009	0	1	64.2-123	111	%REC	R19909

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: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-Dup
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 12:35:00 PM

Lab Sample ID: 0906110-004
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	88	44	2000	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	8.8	4.4	120	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	8.8	8.8	31	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	8.8	4.4	520	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	8.8	53	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	8.8	4.4	22	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	8.8	88	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	8.8	4.4	650	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-Dup
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 12:35:00 PM

Lab Sample ID: 0906110-004
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	88	44	2300	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	8.8	8.8	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	8.8	8.8	78	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	8.8	44	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	8.8	8.8	770	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	8.8	4.4	25	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	8.8	4.4	250	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	8.8	4.4	15	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	8.8	44	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	88	44	1700	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	8.8	4.4	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	88	130	11000	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	88	61.2-131	106	%REC	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	8.8	61.2-131	89.3	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	88	64.1-120	109	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	8.8	64.1-120	115	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	88	75.1-127	106	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	8.8	75.1-127	110	%REC	R19934
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	88	4400	46000	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	88	53-118	81.9	%REC	G19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-4
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 1:55:00 AM

Lab Sample ID: 0906110-005
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Total Dissolved Solids (Residue, Filterable)	E160.1	6/18/2009	10	1	10	660	mg/L	R19943
TPH (Diesel-SG)	SW8015B	6/17/2009	0.1	1	0.10	ND	mg/L	R19909
Surr: Pentacosane	SW8015B	6/17/2009	0	1	64.2-123	118	%REC	R19909

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-4
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 1:55:00 AM

Lab Sample ID: 0906110-005
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/18/2009	6	1.1	6.6	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Acetone	SW8260B	6/18/2009	10	1.1	11	ND	µg/L	R19934
Benzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Bromobenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Bromoform	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
Bromomethane	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Chloroform	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Chloromethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Dibromomethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: MW-4
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/15/2009 1:55:00 AM

Lab Sample ID: 0906110-005
Date Prepared: 6/18/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Freon-113	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Methylene chloride	SW8260B	6/18/2009	5	1.1	5.5	ND	µg/L	R19934
Naphthalene	SW8260B	6/18/2009	1	1.1	1.1	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Styrene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/18/2009	5	1.1	5.5	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Toluene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Trichloroethene	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/18/2009	0.5	1.1	0.55	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/18/2009	1.5	1.1	1.6	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/18/2009	0	1.1	61.2-131	106	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/18/2009	0	1.1	64.1-120	97.4	%REC	R19934
Surr: Toluene-d8	SW8260B	6/18/2009	0	1.1	75.1-127	109	%REC	R19934
Note:Sample was diluted prior to analysis due to sediment in all voas.								
TPH (Gasoline)	SW8260B(TPH)	6/18/2009	50	1.1	55	ND	µg/L	G19934
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/18/2009	0	1.1	53-118	75.9	%REC	G19934
Note: Raised reporting limit - see comment for 8260B analysis.								

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: TB061209 #1
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/12/2009

Lab Sample ID: 0906110-006
Date Prepared: 6/17/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
1,1,1-Trichloroethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,1,2,2-Tetrachloroethane	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
1,1,2-Trichloroethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,1-Dichloroethene	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
1,1-Dichloropropene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,2,3-Trichlorobenzene	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
1,2,3-Trichloropropane	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trichlorobenzene	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
1,2,4-Trimethylbenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromo-3-chloropropane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dibromoethane (EDB)	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichlorobenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloroethane (EDC)	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,2-Dichloropropane	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
1,3,5-Trimethylbenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichlorobenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,3-Dichloropropene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
1,4-Dichlorobenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
2,2-Dichloropropane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
2-Chloroethyl vinyl ether	SW8260B	6/17/2009	6	1	6.0	ND	µg/L	R19934
2-Chlorotoluene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
4-Chlorotoluene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
4-Isopropyltoluene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Acetone	SW8260B	6/17/2009	10	1	10	ND	µg/L	R19934
Benzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Bromobenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Bromochloromethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Bromodichloromethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Bromoform	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
Bromomethane	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
Carbon tetrachloride	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
Chlorobenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Chloroform	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Chloromethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,2-Dichloroethene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
cis-1,3-Dichloropropene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromochloromethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Dibromomethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Dichlorodifluoromethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Diisopropyl ether (DIPE)	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Ethyl tert-butyl ether (ETBE)	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934

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

Report prepared for: Charlie Almestad
KLEINFELDER

Date Received: 6/15/2009
Date Reported: 6/19/2009

Client Sample ID: TB061209 #1
Sample Location: Caltrans Oakland 6th and Castro
Sample Matrix: WATER
Date/Time Sampled 6/12/2009

Lab Sample ID: 0906110-006
Date Prepared: 6/17/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Ethylbenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Freon-113	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
Hexachlorobutadiene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Isopropylbenzene	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
Methyl tert-butyl ether (MTBE)	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Methylene chloride	SW8260B	6/17/2009	5	1	5.0	ND	µg/L	R19934
Naphthalene	SW8260B	6/17/2009	1	1	1.0	ND	µg/L	R19934
n-Butylbenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
n-Propylbenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
sec-Butylbenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Styrene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
t-Butyl alcohol (t-Butanol)	SW8260B	6/17/2009	5	1	5.0	ND	µg/L	R19934
tert-Amyl methyl ether (TAME)	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
tert-Butylbenzene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Tetrachloroethene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Toluene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,2-Dichloroethene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
trans-1,3-Dichloropropene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Trichloroethene	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Trichlorofluoromethane	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Vinyl chloride	SW8260B	6/17/2009	0.5	1	0.50	ND	µg/L	R19934
Xylenes, Total	SW8260B	6/17/2009	1.5	1	1.5	ND	µg/L	R19934
Surr: Dibromofluoromethane	SW8260B	6/17/2009	0	1	61.2-131	105	%REC	R19934
Surr: 4-Bromofluorobenzene	SW8260B	6/17/2009	0	1	64.1-120	103	%REC	R19934
Surr: Toluene-d8	SW8260B	6/17/2009	0	1	75.1-127	99.8	%REC	R19934

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: 0906110
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: G19934

Sample ID **MB_G19934**	SampType: **MBLK**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **G19934**	TestNo: **SW8260B(TP**		Analysis Date: **6/17/2009**	SeqNo: **288352**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	9.660	0	11.36	0	85.0	53	118				

Sample ID **LCS_G19934**	SampType: **LCS**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **G19934**	TestNo: **SW8260B(TP**		Analysis Date: **6/17/2009**	SeqNo: **288353**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	233.0	50	227	0	103	52.4	127				
Surr: 4-Bromofllurobenzene	11.05	0	11.36	0	97.3	53	118				

Sample ID **LCSD_G19934**	SampType: **LCSD**	TestCode: **TPH_GAS_W**	Units: **µg/L**	Prep Date: **6/18/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **G19934**	TestNo: **SW8260B(TP**		Analysis Date: **6/18/2009**	SeqNo: **288354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	242.0	50	227	0	107	52.4	127	233	3.79	20	
Surr: 4-Bromofllurobenzene	11.23	0	11.36	0	98.9	53	118	0	0	0	

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0906110
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19909

Sample ID **WDSG090616A-MB**	SampType: **MBLK**	TestCode: **TPHDSG_W**	Units: **mg/L**	Prep Date: **6/16/2009**	RunNo: **19909**
Client ID: **ZZZZZ**	Batch ID: **R19909**	TestNo: **SW8015B**		Analysis Date: **6/16/2009**	SeqNo: **287935**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.10									
Surr: Pentacosane	0.09500	0	0.1	0	95.0	64.2	123				

Sample ID **WDSG090617A-MB**	SampType: **MBLK**	TestCode: **TPHDSG_W**	Units: **mg/L**	Prep Date: **6/16/2009**	RunNo: **19909**
Client ID: **ZZZZZ**	Batch ID: **R19909**	TestNo: **SW8015B**		Analysis Date: **6/17/2009**	SeqNo: **288393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	ND	0.10									
Surr: Pentacosane	0.09900	0	0.1	0	99.0	64.2	123				

Sample ID **WDSG090616A-LCS**	SampType: **LCS**	TestCode: **TPHDSG_W**	Units: **mg/L**	Prep Date: **6/16/2009**	RunNo: **19909**
Client ID: **ZZZZZ**	Batch ID: **R19909**	TestNo: **SW8015B**		Analysis Date: **6/16/2009**	SeqNo: **287936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.5240	0.10	1	0	52.4	34.5	95.6				
Surr: Pentacosane	0.09000	0	0.1	0	90.0	64.2	123				

Sample ID **WDSG090616A-LCS**	SampType: **LCSD**	TestCode: **TPHDSG_W**	Units: **mg/L**	Prep Date: **6/16/2009**	RunNo: **19909**
Client ID: **ZZZZZ**	Batch ID: **R19909**	TestNo: **SW8015B**		Analysis Date: **6/16/2009**	SeqNo: **287937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel-SG)	0.5640	0.10	1	0	56.4	34.5	95.6	0.524	7.35	30	
Surr: Pentacosane	0.1060	0	0.1	0	106	64.2	123	0	0	0	

Qualifiers:

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

CLIENT: KLEINFELDER
Work Order: 0906110
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19934

Sample ID **MB_R19934** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **6/17/2009** RunNo: **19934**
Client ID: **ZZZZZ** Batch ID: **R19934** TestNo: **SW8260B** Analysis Date: **6/17/2009** SeqNo: **288324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	1.0									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	1.0									
1,1-Dichloropropene	ND	0.50									
1,2,3-Trichlorobenzene	ND	1.0									
1,2,3-Trichloropropane	ND	1.0									
1,2,4-Trichlorobenzene	ND	1.0									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromo-3-chloropropane	ND	0.50									
1,2-Dibromoethane (EDB)	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane (EDC)	ND	0.50									
1,2-Dichloropropane	ND	1.0									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
2,2-Dichloropropane	ND	0.50									
2-Chloroethyl vinyl ether	ND	6.0									
2-Chlorotoluene	ND	0.50									
4-Chlorotoluene	ND	0.50									
4-Isopropyltoluene	ND	0.50									
Acetone	ND	10									
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromochloromethane	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	1.0									
Bromomethane	ND	1.0									

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

CLIENT: KLEINFELDER
Work Order: 0906110
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19934

Sample ID **MB_R19934**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	1.0									
Chlorobenzene	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dibromomethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Diisopropyl ether (DIPE)	ND	0.50									
Ethyl tert-butyl ether (ETBE)	ND	0.50									
Ethylbenzene	ND	0.50									
Freon-113	ND	1.0									
Hexachlorobutadiene	ND	0.50									
Isopropylbenzene	ND	1.0									
Methyl tert-butyl ether (MTBE)	ND	0.50									
Methylene chloride	ND	5.0									
Naphthalene	ND	1.0									
n-Butylbenzene	ND	0.50									
n-Propylbenzene	ND	0.50									
sec-Butylbenzene	ND	0.50									
Styrene	ND	0.50									
t-Butyl alcohol (t-Butanol)	ND	5.0									
tert-Amyl methyl ether (TAME)	ND	0.50									
tert-Butylbenzene	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
trans-1,3-Dichloropropene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									

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: 0906110
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19934

Sample ID **MB_R19934**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Xylenes, Total	ND	1.5									
Surr: Dibromofluoromethane	12.03	0	11.36	0	106	61.2	131				
Surr: 4-Bromofluorobenzene	12.76	0	11.36	0	112	64.1	120				
Surr: Toluene-d8	11.74	0	11.36	0	103	75.1	127				

Sample ID **LCS_R19934**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288325**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.57	1.0	17.04	0	103	61.4	129				
Benzene	18.22	0.50	17.04	0	107	66.9	140				
Chlorobenzene	17.28	0.50	17.04	0	101	73.9	137				
Toluene	17.79	0.50	17.04	0	104	76.6	123				
Trichloroethene	17.62	0.50	17.04	0	103	69.3	144				
Surr: Dibromofluoromethane	11.75	0	11.36	0	103	61.2	131				
Surr: 4-Bromofluorobenzene	12.39	0	11.36	0	109	64.1	120				
Surr: Toluene-d8	12.03	0	11.36	0	106	75.1	127				

Sample ID **LCSD_R19934**	SampType: **LCSD**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/17/2009**	RunNo: **19934**
Client ID: **ZZZZZ**	Batch ID: **R19934**	TestNo: **SW8260B**		Analysis Date: **6/17/2009**	SeqNo: **288326**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.43	1.0	17.04	0	102	61.4	129	17.57	0.800	20	
Benzene	18.62	0.50	17.04	0	109	66.9	140	18.22	2.17	20	
Chlorobenzene	18.41	0.50	17.04	0	108	73.9	137	17.28	6.33	20	
Toluene	18.58	0.50	17.04	0	109	76.6	123	17.79	4.34	20	
Trichloroethene	18.46	0.50	17.04	0	108	69.3	144	17.62	4.66	20	
Surr: Dibromofluoromethane	11.50	0	11.36	0	101	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	12.90	0	11.36	0	114	64.1	120	0	0	0	
Surr: Toluene-d8	12.23	0	11.36	0	108	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: 0906110
Project: 95539/2

ANALYTICAL QC SUMMARY REPORT

BatchID: R19943

Sample ID **MBLK**	SampType: **MBLK**	TestCode: **TDS_W**	Units: **mg/L**	Prep Date:	RunNo: **19943**
Client ID: **ZZZZZ**	Batch ID: **R19943**	TestNo: **E160.1**		Analysis Date: **6/18/2009**	SeqNo: **288460**

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

Torrent Laboratory, Inc.

WORK ORDER Summary

16-Jun-09

Work Order 0906110

Client ID: KLEINFELDER (OAKLAND)

Project: 95539/2 **QC Level:**

Comments: 4 day TAT! Needs results Friday noon. Per client its ok to run TPHg by 8260.

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0906110-001A	MW-6	6/15/2009 9:45:00 AM	6/15/2009	6/19/2009	Water	8260B_W	☐	☐	☐	☐	SR
				6/19/2009		TDS_W	☐	☐	☐	☐	SR
				6/19/2009		TPH_GAS_W_GC MS	☐	☐	☐	☐	SR
				6/19/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906110-002A	MW-7	6/15/2009 11:05:00 AM		6/19/2009		8260B_W	☐	☐	☐	☐	SR
				6/19/2009		TDS_W	☐	☐	☐	☐	SR
				6/19/2009		TPH_GAS_W_GC MS	☐	☐	☐	☐	SR
				6/19/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906110-003A	MW-2	6/15/2009 12:30:00 PM		6/19/2009		8260B_W	☐	☐	☐	☐	SR
				6/19/2009		TDS_W	☐	☐	☐	☐	SR
				6/19/2009		TPH_GAS_W_GC MS	☐	☐	☐	☐	SR
				6/19/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906110-004A	MW-Dup	6/15/2009 12:35:00 PM		6/19/2009		8260B_W	☐	☐	☐	☐	SR
				6/19/2009		TDS_W	☐	☐	☐	☐	SR
				6/19/2009		TPH_GAS_W_GC MS	☐	☐	☐	☐	SR
				6/19/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906110-005A	MW-4	6/15/2009 1:55:00 AM		6/19/2009		8260B_W	☐	☐	☐	☐	SR
				6/19/2009		TDS_W	☐	☐	☐	☐	SR
				6/19/2009		TPH_GAS_W_GC MS	☐	☐	☐	☐	SR
				6/19/2009		TPHDSG_W	☐	☐	☐	☐	SR
0906110-006A	TB061209 #1	6/12/2009		6/19/2009		8260B_W	☐	☐	☐	☐	SR

KLEINFELDER
Bright People. Right Solutions.

0906110

PROJECT NO.	PROJECT NAME	RECEIVING LAB:
95539/2	CALtrans Oakland 6th and Castro Street	Torrent Lab

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

SAMPLERS: (Signature/Number): William Uchugon

ANALYSIS: EPA 8260 full list and fuel oxygenates and BTEX; EPA 8015 TPHg/TPHd with silica gel clean up; EPA 6010 Total Dissolved solids

INSTRUCTIONS/REMARKS: Results by Friday 06/19/09 by Noon

		DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	EPA 8260 full list and fuel oxygenates and BTEX	EPA 8015 TPHg/TPHd with silica gel clean up	EPA 6010 Total Dissolved solids	INSTRUCTIONS/REMARKS
-001A	1	06/15/09	09-45-00	MW-6	Water	4	VOAs	X			HCL registered well W2008-0534 MW-6
	2		09-45-00	MW-6		2	1-liter amber		X		" " " "
	3		09-45-00	MW-6		1	250ml poly			X	" " " "
-002A	4		11-05-00	MW-7		4	VOAs	X			HCL registered well W2008-0535 MW-7
	5		11-05-00	MW-7		2	1-liter amber		X		" " " "
	6		11-05-00	MW-7		1	250ml poly			X	" " " "
-003A	7		12-30-00	MW-2		4	VOA	X			HCL
	8		12-30-00	MW-2		2	liter amber		X		
	9		12-30-00	MW-2		1	250ml poly			X	
-004A	10		12-35-00	MW-Dup		4	VOA	X			HCL
	11		12-35-00	MW-Dup		2	1-liter amber		X		
	12		12-35-00	MW-Dup		1	250ml poly			X	
-005A	13		13-55-00	MW-4		4	VOA	X			HCL registered well W2008-0532 MW-4
	14		13-55-00	MW-4		2	liter amber		X		" " " "
	15		13-55-00	MW-4		1	250ml poly			X	" " " "
-006A	16	06/12/09	NA	TB061209 #1&2	↓	2	VOA	X			HCL
	17	~~06/12/09~~	~~NA~~								
	18										Temp 8°C
	19										
	20										6-15-09

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Instructions/Remarks:	Send Results To:
William Uchugon	06/15/09 17:21	Janet L.D. Imbat 6-15-09 17:21	Email to CAlmestad@kleinfelder.com. More Samples to arrive on 06/17/09 for this Job	Kleinfelder, 1970 Broadway, Suite 710, Oakland Ca 94612
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) NO 6/16.

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

CHAIN OF CUSTODY

COC № 13550