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February 22, 2010

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

Subject:

Fourth Quarter 2009 Groundwater Monitoring Report, 700 Independent

Road, Oakland, California, Fuel Leak Case No. RO0002900

Dear Mr. Wickham,

Enclosed is a Groundwater Monitoring Report for the fourth quarter 2009 for the property located at 700 Independent Road, Oakland, California. The quarterly groundwater monitoring report was prepared by Kleinfelder Inc. on behalf of EOP – Industrial Portfolio, LLC. This report was prepared and is being submitted to Alameda Health Care Services Agency, Environmental Health Services pursuant to your request in a letter to Mr. James Soutter dated July 24, 2009.

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

Sincerely,

EOP – Industrial Portfolio, LLC.

James Soutter

Director - Engineering

Enclosure: Fourth Quarter 2009, Groundwater Monitoring Report, 700 Independent Road, Oakland, California



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

February 25, 2010

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A Report Prepared for:

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

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

Kleinfelder Job No. 54504/10 Fuel Leak Case No. RO0002900

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February 25, 2010



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Flow: December 23, 2009

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1.0 INTRODUCTION

This report describes the fourth quarter 2009 groundwater monitoring activities at 700 Independent Road, Oakland, California (the site). The work was performed by Kleinfelder for EOP - Industrial Portfolio, LLC (EOP) in response to a request by Alameda County Environmental Health Services (ACEHS) staff in a letter to EOP dated July 24, 2009.

Kleinfelder performed the following field tasks:

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



2.0 BACKGROUND INFORMATION

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

2.1 SITE DESCRIPTION

The site is approximately five acres in size and is located at 700 Independent Road, approximately 2,000 feet northwest of the Oakland-Alameda Coliseum, in an industrial area of Oakland, California (Plate 1). A one-story building, a parking lot and a railroad spur occupy the site (Plate 2), which is currently leased for warehouse purposes.

Near surface soils consist of clays and silty-clays with sandy inter-beds. During drilling activities, first groundwater has generally been encountered at a depth of approximately eight to 10 feet below ground surface (bgs).

2.2 PREVIOUS INVESTIGATIONS

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

2.2.1 UST Discovery and Removal

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

On August 17, 2005, under permit from the City of Oakland Fire Department, Golden Gate Tank Removal, Inc., a subcontractor of Kleinfelder, removed and disposed of one 1,100-gallon UST. Confirmation soil samples were collected from the sidewalls and bottom of the excavation pit, and their analytical results indicated the presence of petroleum hydrocarbons at concentrations exceeding Regional Water Quality Control



Board (RWQCB), San Francisco Bay Region Environmental Screening Levels (ESLs). A report documenting the UST removal process and summarizing the analytical results was prepared and submitted to the City of Oakland Fire Department on November 1, 2005. Based on the concentrations of petroleum hydrocarbons, the Fire Department referred the case to the ACEHS. The ACEHS became the lead government agency overseeing remedial actions at the site. The ACEHS assigned the Site Case Number RO0002900.

2.2.2 Subsequent Subsurface Investigations

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

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

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



Between March 4 and 7, 2007, Kleinfelder collected subsurface soil, soil-vapor, and groundwater samples, and installed three monitoring wells (MW-1 through MW-3) at the site. The approximate locations of the borings and monitoring wells are presented in Plate 2. No chemicals of concern were reported at or above the 2007 RWQCB ESLs in the soil-vapor samples. In subsurface soil and groundwater samples, the highest petroleum hydrocarbon concentrations were reported in soil boring K-19 and in monitoring well MW-2, both located in the immediate vicinity of the former UST. In the soil sample collected from boring K-19 at a depth of 18-feet to 20-feet bgs, BTEX was reported at 11 mg/Kg, 26 mg/Kg, 33 mg/Kg, and 170 mg/Kg, respectively. In addition, TPH-g and TPH-d were reported at 1,900 mg/Kg and 200 mg/Kg, respectively. In the groundwater sample from MW-2, TPH-g and benzene were reported at 38,000 μg/L and 11,600 μg/L, respectively.

The analytical results for TPH-g and TPH-d in soil and groundwater samples collected from monitoring well (MW-1) and boring (K-18), located approximately 70 to 90-feet east from the former UST location, were also elevated (Plate 3). In soil samples collected from MW-1, TPH-g and TPH-d were reported at up to 12,000 mg/Kg and 588 mg/Kg; and BTEX at 63 mg/Kg, 250 mg/Kg, 310 mg/Kg, and 1,200 mg/Kg, respectively at 19.5 feet bgs. In the groundwater sample from MW-1, TPH-g and benzene were reported at 3,300 μ g/L and 162 μ g/L respectively.

Based on the analytical results, the extent of petroleum hydrocarbons in soil and groundwater at the site was generally defined to the north, west, and south of the former UST. Kleinfelder summarized the field activities and analytical results of the investigation in a report titled *Further Site Investigation Report, 700 Independent Road, Oakland, California,* and dated May 11, 2007.

Following submittal of the *Further Site Investigation Report,* ACEHS requested additional subsurface investigation at the site to further characterize the vertical and horizontal extent of contamination associated with the former UST. Kleinfelder performed a subsurface investigation that consisted of collecting and analyzing soil and groundwater samples from five borings (K-21 to K-25) and installing two additional groundwater monitoring wells (MW-4 and MW-5). This subsurface investigation was conducted from January 21 to January 31, 2008. In addition to the field work, the



investigation assessed whether potential offsite sources have contributed to petroleum hydrocarbons found in the subsurface at the site.

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

2.2.3 Previous Quarterly Groundwater Monitoring / Beneficial Use of Groundwater

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

As part of the fourth quarter groundwater sampling event conducted in December 2007, total dissolved solids (TDS) analysis was performed on groundwater samples collected from MW-1, MW-2, and MW-3 to confirm the high electrical conductivity (EC) measurements obtained with field instruments. Reported TDS levels ranged from 8,600,000 mg/L to 17,000,000 milligrams per liter (mg/L). The results are summarized in Table 4. San Francisco Regional Water Quality Control Board (SFRWQCB) Resolution No. 89-39, "Sources of Drinking Water," states that if the EC of groundwater exceeds 5,000 uS/cm EC (3,000 mg/L TDS) the water is not expected to be reasonably suitable to supply a public water system. Therefore, based on Resolution 89-39 and the TDS data from the ground-water samples collected in December 2007, groundwater beneath the 700 Independent Road property cannot reasonably be considered to have an actual or potential beneficial use as a source for drinking water.



In Situ Chemical Oxidation Treatment

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

On January 12, 2009, approximately one month after the pilot test was performed; soil borings for soil sample collection were drilled. Groundwater samples to assess the effectiveness of the chemical oxidation treatment were also collected from monitoring wells MW-1, MW-2 and MW-3. The analytical results showed a reduction in concentrations of the chemicals of concern and demonstrated the effectiveness of the in situ chemical oxidation treatment. Further chemical oxidation treatment was recommended and scheduled for the second quarter 2009. The pilot test procedures and a summary of the results are described in the report titled In situ Chemical Oxidation Pilot Test Report, 700 Independent Road, Oakland California, prepared by Kleinfelder on March 18, 2009.

A second round of in-situ chemical oxidation injection was performed between May 27 and June 4, 2009. Field work and analytical results of this remediation work were summarized in the report titled Second In situ Chemical Oxidation Treatment Report, 700 Independent Road, Oakland California, prepared by Kleinfelder on August 26, 2009.



3.0 FIELD ACTIVITIES

This section summarizes the monitoring activities performed during the fourth quarter 2009 groundwater- monitoring event.

3.1 GROUNDWATER MONITORING ACTIVITIES

The fourth quarter 2009 groundwater-monitoring event took place on December 23, 2009. Prior to monitoring activities, field instrumentation was checked and calibrated.

3.1.1 Water Level Measurements

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

3.1.2 Groundwater Sample Collection

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

After purging, groundwater samples from each monitoring well were collected and contained in laboratory-supplied containers. The containers were labeled and subsequently placed into a pre-chilled cooler with ice, pending delivery to the laboratory for chemical analysis. Samples were delivered to a State-certified laboratory following chain of custody protocol.



3.1.3 Analytical Laboratory Parameters

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

- TPH-d using Environmental Protection Agency (EPA) Method 8015M, and
- Benzene, toluene, ethylbenzene, xylenes (BTEX) and TPH-g, using EPA Method 8260B.

3.2 DECONTAMINATION PROCEDURES

Prior to performing groundwater level measurements, and between measurements at each well location, the electronic water level indicator probe and cable was cleaned with an AlconoxTM water solution and subsequently rinsed with tap water, followed by distilled water. Purging and sampling was performed using individually allocated tubing for each well.

3.3 INVESTIGATION-DERIVED WASTE HANDLING PROCEDURES

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



4.0 MONITORING RESULTS

On December 23, 2009 depth to groundwater and groundwater samples for chemical analysis were collected from each of the five monitoring wells at the site. This section summarizes the water-level measurements and groundwater chemical analysis results. Table 1 provides monitoring well construction details. Plate 3 shows the location of the monitoring wells.

4.1 GROUNDWATER LEVELS

Depth to groundwater was measure from the top of casing in each well. On December 23, 2009, the depth to groundwater ranged from 4.98 to 6.21 feet. Groundwater surface elevations ranged from 3.95 to 4.62 feet (NAVD, 1988). Table 2 presents a summary of groundwater level data. Since September 1, 2009, the last time Kleinfelder measured groundwater water levels, groundwater surface elevations remained about the same or rose by up 0.19 feet, except in MW-3 where the groundwater surface elevation declined by 0.94 feet.

Water-level measurements were used to estimate groundwater surface elevation contours and groundwater flow patterns, shown on Plate 3. Based on the December 23, 2009 depth to groundwater data, groundwater beneath the site was estimated to flow generally towards the north near Independent Road, and limited to no groundwater flow is indicated in the vicinity of the former UST. The apparent groundwater mound previously observed in the immediate vicinity of monitoring well MW-3 has subsided. The hydraulic gradient varied considerably at the site and therefore was not estimated.

4.2 GROUNDWATER SAMPLE RESULTS

On December 23, 2009, groundwater samples were collected from wells MW-1, MW-2, MW-3, MW-4, and MW-5 and analyzed for TPH-g, TPH-d, and BTEX. Groundwater purge data, groundwater analytical results, and quality assurance / quality control data are discussed in the following sections.



4.2.1 Purge Characteristic Data

Prior to collecting groundwater samples, the wells were purged to allow the inflow of water from the water bearing zone(s). Temperature, pH and EC were measured during purging. Table 3 presents final purge characteristic data.

4.2.2 Total Petroleum Hydrocarbons and Volatile Organics

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

4.2.2.1 Environmental Screening Levels (ESLs)

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

4.2.2.2Total Petroleum and Aromatic Hydrocarbon Results

Historically, the presence of chemicals of concern above the laboratory's reporting limit have been reported in groundwater samples collected from monitoring wells MW-1 and MW-2. Chemicals of concern have not been detected at concentrations at or above the laboratory's reporting limit in the groundwater samples collected from MW-3, MW-4, and MW-5.

In groundwater samples from MW-1, TPH-d has not been detected above the laboratory's reporting limit of 100 μ g/L since March 2009, prior to the second round of chemical oxidation treatment. In the fourth quarter 2009, TPH-g was reported at 770 μ g/L, the lowest concentration reported for TPH-g in the well so far. Similarly, benzene was reported at 96 μ g/L, the lowest concentration for benzene in well MW-1 so



far. The fourth quarter 2009 concentrations of TPH-g and benzene are both less than one tenth of their historical highest concentrations in MW-1.

During the fourth quarter 2009 groundwater monitoring event TPH-d was not reported in duplicate samples from well MW-2. TPH-g was reported at 24,000 μ g/L (22,000 μ g/L duplicate), and benzene was reported at 12,000 μ g/L (14,000 μ g/L duplicate) in samples from MW-2 in the fourth quarter 2009. Both TPH-g and benzene concentrations were about the same as those reported during the third quarter 2009 and at about half of their respective peak concentrations in MW-2. Toluene was reported at 140 μ g/L (150 μ g/L duplicate) and total xylenes were reported at 950 μ g/L (1,100 μ g/L duplicate) in samples from MW-2. Toluene and total xylenes concentrations are approximately one quarter and one fifth of their respective peak concentrations in MW-2. Ethylbenzene was reported at 2,000 μ g/L (2,300 μ g/L duplicate) which exceeds its former peak concentration of 1350 μ g/L reported in September 2007 in the well.

In the groundwater samples from MW-1 and MW-2, TPH-g and benzene were reported at concentrations above their ESL of 210 μ g/L and 46 μ g/L, respectively. In MW-2, ethylbenzene, toluene, and total xylenes were reported above their respective ESLs of 43 μ g/L, 130 μ g/L, and 100 μ g/L.

4.2.3 Quality Assurance / Quality Control

For the current set of samples, laboratory quality assurance / quality control parameters did not deviate from accepted norms. Samples were preserved and transported to the laboratory under chain-of-custody control protocols. All samples were analyzed within holding times, method blanks were not found to contain chemicals of interest, and surrogate recoveries were within accepted ranges. The analytical results of the duplicate sample (MW-2 dup) were within 10 percent of the analytical results from MW-2, indicating good laboratory precision.



5.0 SUMMARY OF RESULTS

This section presents a summary of the analytical results obtained during the groundwater monitoring event performed in December 2009 at the site.

5.1 HYDRAULIC CONDITIONS

On December 23, 2009, groundwater was inferred to flow to the north near Independent Road and little to no flow was estimated in the vicinity of the former UST (Plate 3). This flow pattern is generally similar to the groundwater flow patterns inferred in the past, except the groundwater mound generally found in the vicinity of well MW-3 is no longer present and influencing flow in the vicinity of the former UST. Between September groundwater surface elevations remained the same or increased by up to 0.19 feet, except in the vicinity of well MW-3 where the ground water surface elevation dropped by 0.94 feet.

5.2 WATER QUALITY

Compared to the concentrations of the chemicals of concern reported previously, TPH-d is no longer found at the site. No chemicals of concern are found in wells MW-3, MW-4 and MW-5. TPH-g and benzene are reported in groundwater from monitoring well MW-1 at less than one tenth of their historic peak concentrations, near their respective ESLs. TPH-g, benzene, toluene and total xylenes in ground water from monitoring well MW-2 (adjacent to the former UST) are reported at about one half to a fifth of their historic peak concentrations. Ethylbenzene concentrations in groundwater from monitoring well MW-2 are higher than before.

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



6.0 RECOMMENDATIONS

As discussed in previous reports the site represents a low risk impacted groundwater case:

- The leak has been stopped and the source has been removed,
- The site has been adequately characterized,
- Residual petroleum hydrocarbons in soil and groundwater have been reduced and are limited to the immediate vicinity of monitoring wells MW1- and MW-2,
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors have been impacted or are near the residual petroleum hydrocarbons,
- The site presents no significant risk to human health as no significant concentrations of soil vapors have been detected and no direct exposure is possible as the site is paved (i.e. there is no complete route of exposure),
- The site presents no significant risk to the environment. There are no indications that impacted groundwater has migrated beyond the current limits found on the site (i.e. there is no complete route of exposure), and
- The site is located in a heavy industrial area and its land use is not likely to change in the near future.

Groundwater monitoring has been performed since March 2007. As requested in a letter from ACEHS dated July 24, 2009, quarterly groundwater monitoring is continuing at the site. Kleinfelder recommends an additional quarter of monitoring (to total four quarters since the last round of in situ chemical oxidation) to further demonstrate that the residual impacted ground water is limited in extent and stable. After that round of monitoring Kleinfelder recommends that monitoring be discontinued and a finding of no further action be made based on having met the requirements for a low risk site.



7.0 LIMITATIONS

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

Kleinfelder offers various levels of investigation and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present. Although risk can never be eliminated, more-detailed and extensive investigations yield more information, which may help understand and manage the level of risk. Since detailed investigation and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface investigations or field tests, may be performed to reduce uncertainties. Acceptance of this report will indicate that EOP has reviewed the document and determined that it does not need or want a greater level of service than that provided.

During the course of the performance of Kleinfelder's services, hazardous materials may be discovered. Kleinfelder will assume no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Nothing contained in this reports should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, generator, or person who arranges for disposal, transport, storage or treatment of hazardous materials within the meaning of any governmental statute, regulation or order. EOP will be solely responsible for notifying all governmental agencies, and the public at large, of the existence, release, treatment or disposal of any hazardous materials observed at the project site, either before or during performance of Kleinfelder's services. EOP will be responsible for all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.



Regulations and professional standards applicable to Kleinfelder's services are continually evolving. Techniques are, by necessity, often new and relatively untried. Different professionals may reasonably adopt different approaches to similar problems. As such, our services are intended to provide EOP with a source of professional advice, opinions and recommendations. Our professional opinions and recommendations are/will be based on our limited number of field observations and tests, collected and performed in accordance with the generally accepted engineering practice that exists at the time and may depend on, and be qualified by, information gathered previously by others and provided to Kleinfelder by EOP. Consequently, no warranty or guarantee, expressed of implied, is intended or made.

TABLES

Table 1Monitoring Well Construction Details
700 Independent Road, Oakland, California

					Survey Data						
	Construction Details by Depth Intervals (Feet Below Ground Surface)										
Well ID	Installation Date	Boring Depth	Solid Casing	Screen Interval	Sand Pack	Bentonite Seal	Grout Seal	Casing Elevation (Feet ¹)	Elevation (Feet ¹)	Longitude	Latitude
MW-1	3/5/2007	25.0	0.25-15	15-25	13-25	11-13	0.75-11	9.64	9.96	-122.2052412	37.7569160
MW-2	3/5/2007	25.0	0.25-10	10-20	8-20	6-8 / 20-25	0.75-6	9.53	9.85	-122.2054245	37.7568140
MW-3	3/5/2007	25.0	0.25-13	13-23	11-24	9-11	0.75-9	10.79	11.10	-122.2054503	37.7569371
MW-4	1/23/2008	25.0	0.25-15	15-25	14-25	13-14	0.75-13	9.61	10.35	-122.2051431	37.7570547
MW-5	1/23/2008	28.0	0.25-18	18-28	17-28	16-17	0.75-16	9.75	10.06	-122.2056247	37.7569999

Notes:

¹ Survey elevations North American Vertical Datum of 1988 (NAVD88), horizontal NAD 83.
Survey of MW-1, MW-2 and MW-3 by PLS Surveys, Inc., April 4, 2007
Survey of MW-4 and MW-5 by PLS Surveys, Inc., February 14, 2008
msl = mean sea level

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

Well ID	Date Measured	Depth to Water (feet)	Groundwater Surface Elevation (feet ¹)
	4/13/2007	4.67	4.97
	9/10/2007	5.15	4.49
	12/17/2007	5.29	4.35
	2/18/2008	5.91	3.73
MW-1	3/28/2008	4.41	5.23
	6/11/2008	4.73	4.91
	12/1/2008	5.91	3.73
	3/12/2009	4.53	5.11
	6/30/2009	4.86	4.78
	9/1/2009 12/23/2009	5.21 5.02	4.43 4.62
	4/13/2007	4.61	4.92
	9/10/2007	5.42	4.92
	12/17/2007	5.02	4.51
	2/18/2008	4.78	4.75
	3/28/2008	4.35	5.18
MW-2	6/11/2008	4.65	4.88
	12/1/2008	5.33	4.20
	3/12/2009	4.25	5.28
	6/30/2009	4.82	4.71
	9/1/2009	4.98	4.55
	12/23/2009	4.98	4.55
	4/13/2007	5.75	5.04
	9/10/2007	6.26	4.53
	12/17/2007	6.16	4.63
	2/18/2008	5.55	5.24
MW-3	3/28/2008	5.63	5.16
IVIVV-3	6/11/2008	5.90	4.89
	12/1/2008	6.51	4.28
	3/12/2009	5.49	5.30
	6/30/2009	5.97	4.82
	9/1/2009	5.27	5.52
	12/23/2009	6.21	4.58
	4/13/2007		
	9/10/2007		
	12/17/2007	-	
	2/18/2008	5.08	4.53
MW-4	3/28/2008	5.12	4.49
	6/11/2008	5.00	4.61
	12/1/2008	6.07	3.54
	3/12/2009	5.08	4.53
	6/30/2009	5.37	4.24
	9/1/2009 12/23/2009	5.77 5.63	3.84 3.98
		5.05	3.96
	4/13/2007 9/10/2007		
	12/17/2007		
	2/18/2008	5.25	4.50
	3/28/2008	5.32	4.43
MW-5	6/11/2008	5.86	3.89
	12/1/2008	6.23	3.52
	3/12/2009	5.27	4.48
	6/30/2009	5.62	4.13
	9/1/2009	5.98	3.77
	12/23/2009	5.80	3.95

Notes:

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

Top of casing elevations for MW-1, MW-2 and MW-3 surveyed 4/4/07 by PLS Surveys, Inc. Top of casing elevations for MW-4, and MW-5 surveyed 2/14/08 by PLS Surveys, Inc.

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

Well ID	Date Sampled	Gallons Purged	Final pH	Final Specific Conductivity (µmhos/cm)	Final Temperature (degrees C)
MW-1	9/10/2007	8.0	6.78	> 3,999 ^a	18.7
	12/17/2007	10.0	6.84	> 3,999 ^a	17.2
	3/28/2008	10.3	6.83	21,607	16.5
	6/11/2008	17.0	7.21	21,236	17.2
	12/1/2008	11.0	6.63	26,376	17.7
	3/12/2009	11.0	6.44	26,916	17.1
	6/30/2009	11.2	8.45		17.3
	9/1/2009	5.1	6.69	19,020	14.9
	12/23/2009	5.2	7.65	22,660	17.95
MW-2	9/10/2007	6.8	6.70	> 3,999 ^a	19.4
	12/17/2007	7.0	6.70	> 3,999 ^a	17.8
	3/28/2008	10.3	6.89	22,932	15.9
	6/11/2008	11.7	6.91	24,775	17.7
	12/2/2008	7.5	6.55	24,976	18.3
	3/12/2009	7.5	6.55	14,014	16.3
	6/30/2009 9/1/2009 12/23/2009	7.6 5.25 5	5.59 6.5 7.69	16,349 18,940	17.0 15.0 17.7
MW-3	9/10/2007	8.5	6.97	> 3,999°	23.3
	12/17/2007	9.0	7.11	> 3,999°	20.9
	3/28/2008	11.0	7.04	12,686	18.9
	6/11/2008	14.3	7.68	12,695	20.9
	12/2/2008	9.0	6.96	13,537	21.4
	3/12/2009	9.5	6.78	12,490	19.3
	6/30/2009	8.4	6.89		21.6
	9/1/2009	5.0	6.82	9,517	
	12/23/2009	5.5	6.96	11,160	21.53
MW-4	1/31/2008 3/28/2008 6/11/2008 12/1/2008 3/12/2009 6/30/2009 9/1/2009 12/23/2009	12.0 16.0 16.0 10.0 10.0 10.3 4.5 4.5	7.04 7.15 7.71 7.04 6.87 6.64 7.05 7.68	> 3,999° 12,069 13,331 12,824 14,278 12,661 14,440	18.7 17.8 19.7 20.8 19.4 18.8 19.1 20.3
MW-5	1/31/2008 3/28/2008 6/11/2008 12/1/2008 3/12/2009 6/30/2009 9/1/2009 12/23/2009	12.0 11.0 16.0 11.0 16.0 11.9 5.5 7.0	6.85 7.05 7.02 6.89 6.72 6.99 6.93 6.91	> 3,999 ^a 7,574 7,406 8,774 9,151 7,023 8,838	19.2 19.9 19.8 20.0 19.7 19.2 19.1 20.6

Acronyms:

a Exceeds equipment limits

C Celsius

µmhos/cm microsiemens per centimeter

Not Available. Conductivity measurements for the June 30, 2009 report are not

included due to equipment malfunction

Table 4

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

Sample Location	Date Sampled	TPH-d	TPH-g	Benzene	Butylbenzene (sec-)	1,2 Dichloroethane	Ethylbenzene	Isopropylbenzene	Isopropyltoluene (4-)	Naphthalene	Propylbenzene (n-)	Toluene	Trimethylbenzene (1,2,4-)	Trimethylbenzene (1,3,5-)	Xylenes, total	Methyl tert butyl ether	Total Dissolved Solids
	3/19/2007	390a	3,300	162	NA	<1.1	60.2	NA	NA	NA	NA	205	NA	NA	351	<1.1	NA
	9/10/2007	315a	1,700b	145	0.9	<0.500	72.2	11.6	2.42	7.69	20.8	56.1	94.6	17.1	197	<0.500	NA
	12/17/2007	186a	1,510b	204	2.41	<0.500	78.6	9.96	1.69	4.35	19	15.1	67	6.12	56.7	< 0.500	14,000,000
	3/28/2008	<100	12,000	1,020	NA	NA	161	NA	NA	NA	NA	19.1	NA	NA	60.0	<1.10	NA
BANA/ 4	6/11/2008	235a	4,700	721	<4.40	<4.40	160	18.9	NA	<52.8	<4.40	84.8	132	11.0	126	<4.40	NA
MW-1	12/1&2/2008	484a	2,900	295	<4.40	<4.40	137	36.7	NA	298	88.4	27.1	501	35.1	218	<4.40	14,000,000
	3/12/2009	504	7,700	488	NA	NA	235	NA	NA	NA	NA	144	NA	NA	455	<4.40	NA
	6/30/2009	< 100	870	99	NA	NA	33	NA	NA	NA	NA	15	NA	NA	34	NA	NA
	9/1/2009	< 100	1,000	130	NA	NA	18	NA	NA	NA	NA	7.7	NA	NA	< 13	NA	NA
	12/23/2009	<100	770	96	NA	NA	17	NA	NA	NA	NA	8.2	NA	NA	<13	NA	NA
	3/19/2007	940a	38,000	11,600	NA	226	588	NA	NA	NA	NA	274	NA	NA	2,880	<13.2	NA
	9/10/2007	1690a	52,100b	15,800	<22.0	611	1,120	69.1	<22.0	231	143	552	1,270	650	5,420	<22.0	NA
	12/17/2007	3,770a	30,900b	13,300	<22.0	568	1,350	73	<22.0	227	118	172	1,230	352	2,330	<22.0	17,000,000
	3/28/2008	300a	47000b	12,600	NA	NA	619	NA	NA	NA	NA	67.3	NA	NA	1,040	<22.0	NA
	6/11/2008	1,030a	31,000	19,700	<44.0	542	1,090	<88.0	NA	<528	<44.0	81.0	154	731	1,410	<44.0	NA
	12/1&2/2008	965a	53,000	20,500	<44.0	468	1,240	<88.0	NA	196	125	<44.0	1,200	66.9	1,180	<44.0	17,000,000
MW-2	3/12/2009	862	40,000	10,300	NA	NA	1,050	NA	NA	NA	NA	91.5	NA	NA	980	<44.0	NA
10100-2	3/12/09 Dup	NA	42,000	10,900	NA	NA	1,030	NA	NA	NA	NA	95.9	NA	NA	995	<44.0	NA
	6/30/2009	657a	20,000	7,300	NA	NA	400	NA	NA	NA	NA	< 44	NA	NA	330	NA	NA
	6/30/2009Dup	624a	20,000	7,600	NA	NA	370	NA	NA	NA	NA	< 44	NA	NA	300	NA	NA
	9/1/2009	680a	26,000	13,000E	NA	NA	780	NA	NA	NA	NA	54	NA	NA	510	NA	NA
	9/1/2009 Dup	730a	26,000	11,000	NA	NA	710	NA	NA	NA	NA	50	NA	NA	460	NA	NA
	12/23/2009	<100	24,000	12,000	NA	NA	2,000	NA	NA	NA	NA	140	NA	NA	950	NA	NA
	12/23/2009 Dup	<100	22,000	14,000	NA	NA	2,300	NA	NA	NA	NA	150	NA	NA	1,100	NA	NA
	3/19/2007	<100	<50	<0.500	NA	<0.500	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.5	<0.500	NA
	9/10/2007	<100	<50	<0.500	<0.500	<0.500	<0.500	<1.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.5	<0.500	NA 0.000.000
	12/17/2007	<100	<50	<0.500	<0.500	<0.500	<0.500	<1.0	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.5	<0.500	8,600,000
	3/28/2008	<100	<50	<0.500	NA 0.50	NA 0.50	<0.500	NA 4.00	NA	NA 0.00	NA 0.50	<0.500	NA 0.50	NA 0.50	<1.50	<0.500	NA NA
MW-3	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	< 0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA 7 700 000
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	< 0.50	7,700,000
	3/12/2009	<100	<50	<0.500	NA NA	NA	<0.500	NA NA	NA	NA NA	NA NA	<0.500	NA	NA NA	<1.50	<0.500	NA NA
	6/30/2009	< 100	<50	<0.500	NA NA	NA	<0.500	NA NA	NA NA	NA NA	NA NA	<0.500	NA	NA NA	<1.50	NA NA	NA NA
	9/1/2009 12/23/2009	< 100 <100	<50 <50	<0.501 <0.50	NA NA	NA NA	<0.501 <0.50	NA NA	NA NA	NA NA	NA NA	<0.501 <0.50	NA NA	NA NA	<1.50 <1.50	NA NA	NA NA
	1/31/2008 3/28/2008	< 100 <100	56.0b 61d	< 0.500 < 0.500	NA NA	NA NA	< 0.500 < 0.500	NA NA	NA NA	NA NA	NA NA	<0.500 <0.500	NA NA	NA NA	<1.50 <1.50	<0.500 <0.500	NA NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA NA
	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA NA
MW-4	3/12/2009	<100	<50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	<0.50	NA	NA	<1.50	<0.50	NA NA
	6/30/2009	<100	<50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	<0.50	NA	NA	<1.50	NA	NA NA
	9/1/2009	<100	<50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	<0.50	NA	NA	<1.50	NA	NA
	12/23/2009	<100	<50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	<0.50	NA	NA	<1.50	NA	NA NA
	1/31/2008	544a	55.0b	< 0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	< 1.50	<0.500	NA
	3/28/2008	<100	57d	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA NA
	6/11/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<6.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA NA
84167.5	12/1&2/2008	<100	<50	<0.50	<0.50	<0.50	<0.50	<1.00	NA	<1.00	<0.50	<0.50	<0.50	<0.50	<1.50	<0.50	NA NA
MW-5	3/12/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	<0.500	NA
	6/30/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
	9/1/2009	<100	<50	<0.500	NA	NA	<0.500	NA	NA	NA	NA	<0.500	NA	NA	<1.50	NA	NA
	12/23/2009	<100	<50	<0.50	NA	NA	<0.50	NA	NA	NA	NA	<0.50	NA	NA	<1.50	NA	NA
ESL*		210	210	46	NE	200	43	NE	NE	24	NE	130	NE	NE	100	1800	NE
Notes:												<u> </u>					

Notes:

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

- a Chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Lighter end hydrocarbons and hydrocarbon peaks within the diesel range quantified as diesel.
- b Although TPH-g is present, result is elevated due to the presence of non-target compounds within the gasoline quantitative range.
- E Estimated value. The amount exceeds the calibration range but within the linear range of instrument.
- * ESL Environmental Screening Levels from San Francisco Regional Water Quality Control Board, Interim Final November 2007 (revised May 2008). Lowest level reported from: Table B. Environmental Screening Levels. Groundwater IS NOT a current or potential drinking water source.

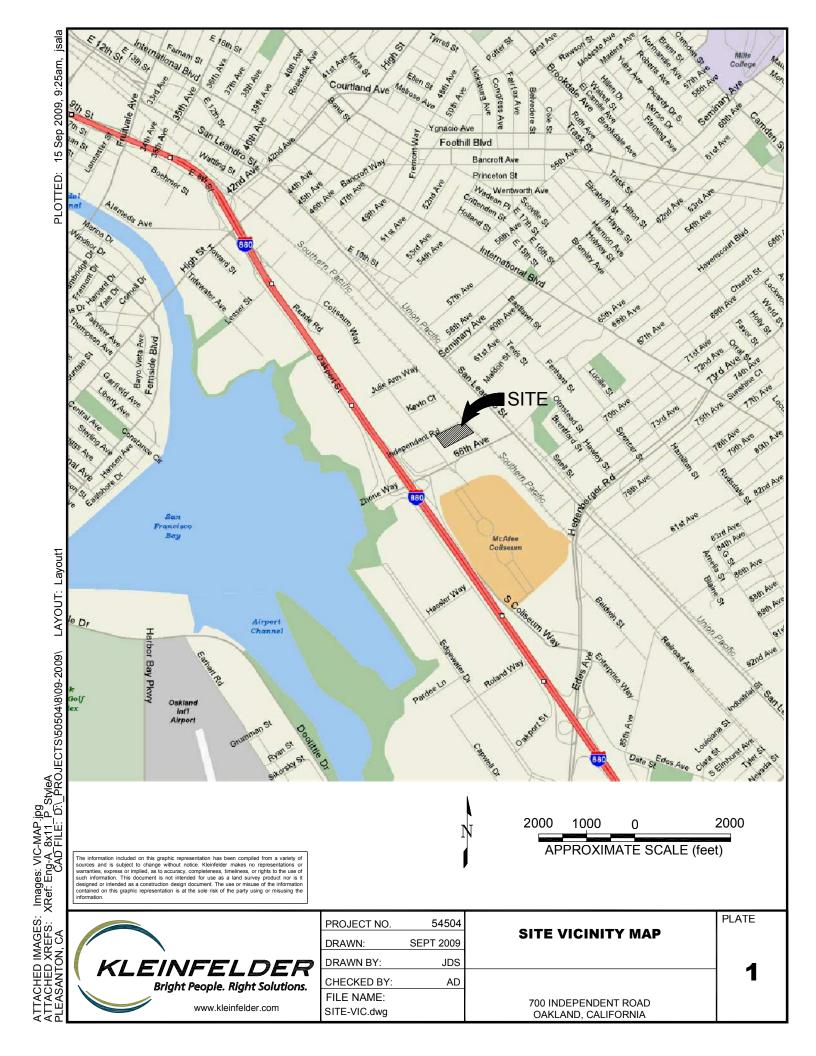
Acronyms, abbreviations:

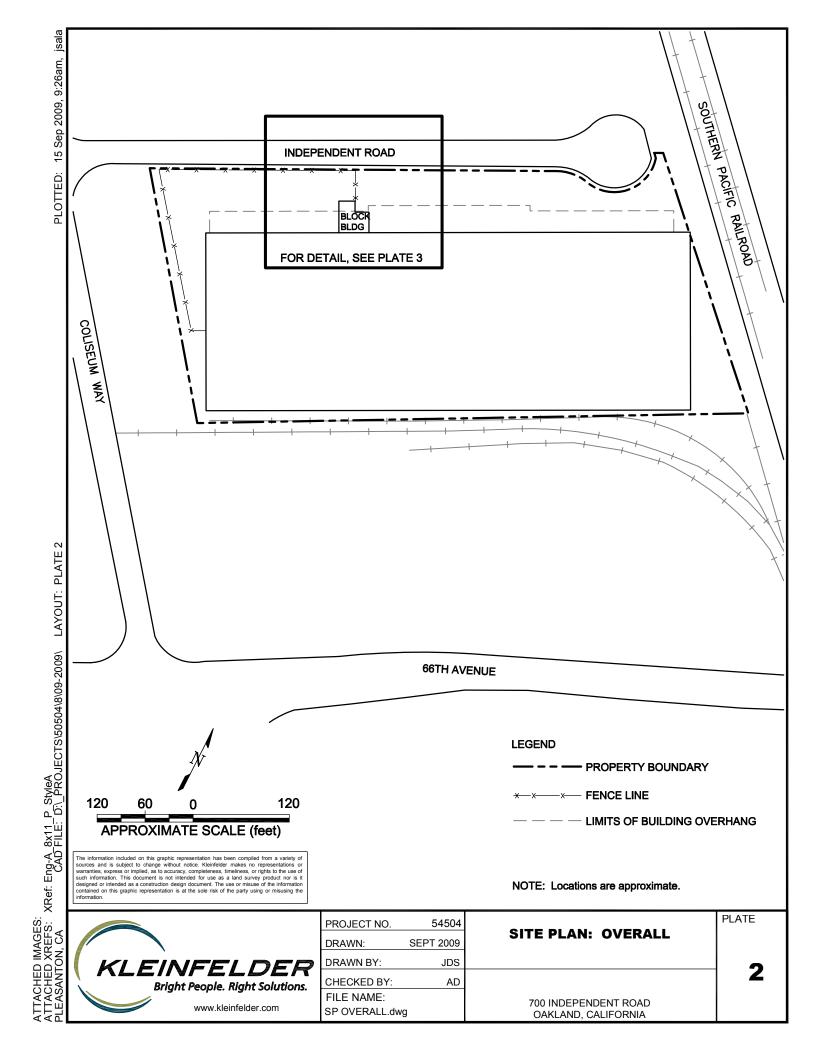
TPH-d - Total Petroleum Hydrocarbons - diesel

TPH-g - Total Petroleum Hydrocarbons - gasoline

NE - Not established NA - Not analyzed

PLATES





APPENDIX A CHAIN-OF-CUSTODY RECORDS AND CERTIFIED ANALYTICAL LABORATORY REPORTS



December 30, 2009

Alvaro Dominguez KLEINFELDER 1970 Broadway, Suite 710 Oakland, CA 94612

TEL: 510-628-9000

FAX

RE: 54504-10 Independent Road

Dear Alvaro Dominguez:

Torrent Laboratory, Inc. received 6 samples on 12/23/2009 for the analyses presented in the following report.

Order No.: 0912204

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,

Patti Sandrock

QA Officer



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

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

Report prepared for: Alvaro Dominguez

KLEINFELDER Date Reported: 12/30/2009

Date Received: 12/23/2009

Date Prepared:

Client Sample ID: MW-1

Sample Location:

W-1 **Lab Sample ID:** 0912204-001

Sample Matrix: WATER

Date/Time Sampled 12/23/2009 9:50:00 AM

54504-10 Independent Road

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/29/2009	0.1	1	0.10	ND	mg/L	R22269
Surr: Pentacosane	SW8015B	12/29/2009	0	1	64.2-123	83.0	%REC	R22269
Benzene	SW8260B	12/30/2009	0.5	8.8	4.4	96	μg/L	R22264
Toluene	SW8260B	12/30/2009	0.5	8.8	4.4	8.2	μg/L	R22264
Ethylbenzene	SW8260B	12/30/2009	0.5	8.8	4.4	17	μg/L	R22264
Xylenes, Total	SW8260B	12/30/2009	1.5	8.8	13	ND	μg/L	R22264
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	8.8	61.2-131	80.8	%REC	R22264
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	8.8	64.1-120	110	%REC	R22264
Surr: Toluene-d8	SW8260B	12/30/2009	0	8.8	75.1-127	95.2	%REC	R22264
TPH (Gasoline)	SW8260B(TPH)	12/30/2009	50	8.8	440	770x	μg/L	T22264
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/30/2009	0	8.8	53-118	106	%REC	T22264

Note: x- Result reported as TPH-gasoline, but sample chromatogram does not resemble gasoline standard pattern. Reported value due to contribution from unidentified hydrocarbons within the C5-C12 range quantified as Gasoline (possibly aged gasoline).

KLEINFELDER

Date Received: 12/23/2009 **Date Reported:** 12/30/2009

Client Sample ID: MW-2 Lab Sample ID: 0912204-002

Sample Location: 54504-10 Independent Road

Sample Matrix: WATER

Date/Time Sampled 12/23/2009 12:00:00 PM

La	o Sampie ID.	0)12
Da	te Prepared:	

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/29/2009	0.1	1	0.10	ND	mg/L	R22269
Surr: Pentacosane	SW8015B	12/29/2009	0	1	64.2-123	79.0	%REC	R22269
Benzene	SW8260B	12/30/2009	0.5	440	220	12000	μg/L	R22270
Toluene	SW8260B	12/30/2009	0.5	88	44	140	μg/L	R22264
Ethylbenzene	SW8260B	12/30/2009	0.5	88	44	2000	μg/L	R22264
Xylenes, Total	SW8260B	12/30/2009	1.5	88	130	950	μg/L	R22264
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	440	61.2-131	102	%REC	R22270
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	88	61.2-131	93.9	%REC	R22264
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	440	64.1-120	91.4	%REC	R22270
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	88	64.1-120	98.9	%REC	R22264
Surr: Toluene-d8	SW8260B	12/30/2009	0	440	75.1-127	89.8	%REC	R22270
Surr: Toluene-d8	SW8260B	12/30/2009	0	88	75.1-127	80.3	%REC	R22264
TPH (Gasoline)	SW8260B(TPH)	12/30/2009	50	88	4400	24000	μg/L	T22264
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/30/2009	0	88	53-118	50 S	%REC	T22264

Note: S- Surrogate recovery out of limit. Sample reanalyzed once with similar results. Matrix effect suspected.

KLEINFELDER

Date Received: 12/23/2009 **Date Reported:** 12/30/2009

Client Sample ID: MW-2D

Sample Location: 54504-10 Independent Road

Sample Matrix: WATER

Date/Time Sampled 12/23/2009 12:08:00 PM

Lab Sample ID: 0912204-003

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/29/2009	0.1	1	0.10	ND	mg/L	R22269
Surr: Pentacosane	SW8015B	12/29/2009	0	1	64.2-123	79.0	%REC	R22269
Benzene	SW8260B	12/30/2009	0.5	440	220	14000	μg/L	R22270
Toluene	SW8260B	12/30/2009	0.5	88	44	150	μg/L	R22264
Ethylbenzene	SW8260B	12/30/2009	0.5	88	44	2300	μg/L	R22264
Xylenes, Total	SW8260B	12/30/2009	1.5	88	130	1100	μg/L	R22264
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	440	61.2-131	102	%REC	R22270
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	88	61.2-131	85.6	%REC	R22264
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	440	64.1-120	83.2	%REC	R22270
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	88	64.1-120	92.4	%REC	R22264
Surr: Toluene-d8	SW8260B	12/30/2009	0	440	75.1-127	82.8	%REC	R22270
Surr: Toluene-d8	SW8260B	12/30/2009	0	88	75.1-127	93.5	%REC	R22264
TPH (Gasoline)	SW8260B(TPH)	12/30/2009	50	88	4400	22000	μg/L	T22264
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/30/2009	0	88	53-118	44 S	%REC	T22264

Note: S- Surrogate recovery out of limit. Sample reanalyzed once with similar results. Matrix effect suspected.

KLEINFELDER

Date Received: 12/23/2009

Date Reported: 12/30/2009

Client Sample ID: MW-3

54504-10 Independent Road

Sample Matrix: WATER

Sample Location:

Date/Time Sampled 12/23/2009 1:20:00 PM

Lab Sample ID: 0912204-004

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/29/2009	0.1	1	0.10	ND	mg/L	R22269
Surr: Pentacosane	SW8015B	12/29/2009	0	1	64.2-123	78.0	%REC	R22269
Benzene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Toluene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Ethylbenzene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Xylenes, Total	SW8260B	12/30/2009	1.5	1	1.5	ND	μg/L	R22264
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	1	61.2-131	84.2	%REC	R22264
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	1	64.1-120	107	%REC	R22264
Surr: Toluene-d8	SW8260B	12/30/2009	0	1	75.1-127	99.8	%REC	R22264
TPH (Gasoline)	SW8260B(TPH)	12/30/2009	50	1	50	ND	μg/L	T22264
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/30/2009	0	1	53-118	97.3	%REC	T22264

KLEINFELDER

Date Received: 12/23/2009 **Date Reported:** 12/30/2009

Client Sample ID: MW-4

54504-10 Independent Road

Sample Matrix:

Sample Location:

WATER

Date/Time Sampled 12/23/2009 11:00:00 AM

Lab Sample ID: 0912204-005

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/29/2009	0.1	1	0.10	ND	mg/L	R22269
Surr: Pentacosane	SW8015B	12/29/2009	0	1	64.2-123	79.0	%REC	R22269
Benzene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Toluene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Ethylbenzene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Xylenes, Total	SW8260B	12/30/2009	1.5	1	1.5	ND	μg/L	R22264
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	1	61.2-131	82.0	%REC	R22264
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	1	64.1-120	104	%REC	R22264
Surr: Toluene-d8	SW8260B	12/30/2009	0	1	75.1-127	98.2	%REC	R22264
TPH (Gasoline)	SW8260B(TPH)	12/30/2009	50	1	50	ND	μg/L	T22264
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/30/2009	0	1	53-118	75.0	%REC	T22264

KLEINFELDER

Date Received: 12/23/2009

Date Reported: 12/30/2009

Client Sample ID: MW-5

Sample Location:

54504-10 Independent Road

Sample Matrix: WATER

Date/Time Sampled 12/23/2009 2:35:00 PM

Lab Sample ID: 0912204-006

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
TPH (Diesel-SG)	SW8015B	12/29/2009	0.1	1	0.10	ND	mg/L	R22269
Surr: Pentacosane	SW8015B	12/29/2009	0	1	64.2-123	79.0	%REC	R22269
Benzene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Toluene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Ethylbenzene	SW8260B	12/30/2009	0.5	1	0.50	ND	μg/L	R22264
Xylenes, Total	SW8260B	12/30/2009	1.5	1	1.5	ND	μg/L	R22264
Surr: Dibromofluoromethane	SW8260B	12/30/2009	0	1	61.2-131	86.7	%REC	R22264
Surr: 4-Bromofluorobenzene	SW8260B	12/30/2009	0	1	64.1-120	116	%REC	R22264
Surr: Toluene-d8	SW8260B	12/30/2009	0	1	75.1-127	105	%REC	R22264
TPH (Gasoline)	SW8260B(TPH)	12/30/2009	50	1	50	ND	μg/L	T22264
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	12/30/2009	0	1	53-118	90.0	%REC	T22264

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.
а	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 #

Date: 30-Dec-09

CLIENT: KLEINFELDER

54504-10 Independent Road

Work Order: 0912204

Project:

ANALYTICAL QC SUMMARY REPORT

BatchID: R22264

Sample ID: MB_R22264	SampType: MBLK	TestCod	de: 8260B_W	_PE Units: μg/L		Prep Dat	e: 12/29/2	009	RunNo: 222	264	
Client ID: ZZZZZ	Batch ID: R22264	TestN	lo: SW8260B			Analysis Dat	e: 12/29/2	009	SeqNo: 318	3550	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
Xylenes, Total	ND	1.5									
Surr: Dibromofluoromethane	12.36	0	11.36	0	109	61.2	131				
Surr: 4-Bromofluorobenzene	10.81	0	11.36	0	95.2	64.1	120				
Surr: Toluene-d8	10.90	0	11.36	0	96.0	75.1	127				
Sample ID: LCS_R22264	SampType: LCS	TestCod	de: 8260B_W	_PE Units: μg/L		Prep Dat	e: 12/29/2	RunNo: 222			
Client ID: ZZZZZ	Batch ID: R22264	TestN	lo: SW8260B			Analysis Dat	e: 12/29/2	SeqNo: 318			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	15.12	0.50	17.04	0	88.7	66.9	140				
Toluene	14.34	0.50	17.04	0	84.2	76.6	123				
Surr: Dibromofluoromethane	9.220	0	11.36	0	81.2	61.2	131				
Surr: 4-Bromofluorobenzene	12.29	0	11.36	0	108	64.1	120				
Surr: Toluene-d8	10.84	0	11.36	0	95.4	75.1	127				
Sample ID: LCSD_R22264	SampType: LCSD	TestCod	de: 8260B_W	_PE Units: μg/L		Prep Dat	e: 12/29/2	009	RunNo: 222	264	
Client ID: ZZZZZ	Batch ID: R22264	TestN	lo: SW8260B			Analysis Dat	e: 12/29/2	009	SeqNo: 318	3552	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.88	0.50	17.04	0	105	66.9	140	15.12	16.7	20	
Toluene	16.85	0.50	17.04	0	98.9	76.6	123	14.34	16.1	20	
Surr: Dibromofluoromethane	8.780	0	11.36	0	77.3	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	11.25	0	11.36	0	99.0	64.1	120	0	0	0	
Surr: Toluene-d8	11.10	0	11.36	0	97.7	75.1	127	0	0	0	

Qualifiers: Value above quantitation range

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

*Page 1 of 4**

CLIENT: KLEINFELDER

Work Order: 0912204

ANALYTICAL QC SUMMARY REPORT

BatchID: R22269 **Project:** 54504-10 Independent Road

Sample ID: WDSG091224A-MB	SampType: MBLK	TestCod	e: TPHDSG _	W Units: mg/L		Prep Dat	te: 12/24/2 0	009	RunNo: 22269			
Client ID: ZZZZZ	Batch ID: R22269	TestN	o: SW8015B			Analysis Dat	te: 12/29/2 0	SeqNo: 318	SeqNo: 318526			
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	0.07800	0	0.1	0	78.0	64.2	123					
Sample ID: WDSG091224A-LCS SampType: LCS TestCode: TPHDSG_W Units: mg/L Prep Date: 12/24/2009								RunNo: 22269				
Client ID: ZZZZZ	Batch ID: R22269	TestN	o: SW8015B			Analysis Dat	te: 12/29/2 0	SeqNo: 318527				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
TPH (Diesel-SG)	0.5000	0.10	1	0	50.0	34.5	95.6					
Surr: Pentacosane	0.08100	0	0.1	0	81.0	64.2	123					
Sample ID: WDSG091224A-LC	S SampType: LCSD	TestCod	e: TPHDSG_	W Units: mg/L		Prep Dat	te: 12/24/2 0	009	RunNo: 222	269		
Client ID: ZZZZZ	Batch ID: R22269	TestN	o: SW8015B			Analysis Dat	te: 12/29/2 0	009	SeqNo: 318	8528		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
TPH (Diesel-SG)	0.4530	0.10	1	0	45.3	34.5	95.6	0.5	9.86	30		
Surr: Pentacosane	0.08000	0	0.1	0	80.0	64.2	123	0	0	0		

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 2 of 4

CLIENT: KLEINFELDER

Work Order: 0912204

Project: 54504-10 Independent Road

ANALYTICAL QC SUMMARY REPORT

BatchID: R22270

Sample ID: MB_R22270	SampType: MBLK	TestCod	de: 8260B_W	Units: µg/L		Prep Date	e: 12/30/2	009	RunNo: 22270				
Client ID: ZZZZZ	Batch ID: R22270	TestN	lo: SW8260B			Analysis Dat	e: 12/30/2	009	SeqNo: 318	3576			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	ND	0.50											
Ethylbenzene	ND	0.50											
Toluene	ND	0.50											
Xylenes, Total	ND	1.5											
Surr: Dibromofluoromethane	12.73	0	11.36	0	112	61.2	131						
Surr: 4-Bromofluorobenzene	9.710	0	11.36	0	85.5	64.1	120						
Surr: Toluene-d8	9.490	0	11.36	0	83.5	75.1	127						
Sample ID: LCS_R22270	SampType: LCS	TestCod	de: 8260B_W	Units: µg/L	Prep Date: 12/30/2009				RunNo: 22270				
Client ID: ZZZZZ	Batch ID: R22270	TestN	lo: SW8260B			Analysis Dat	SeqNo: 318577						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	16.02	0.50	17.04	0	94.0	66.9	140						
Toluene	16.53	0.50	17.04	0	97.0	76.6	123						
Surr: Dibromofluoromethane	11.54	0	11.36	0	102	61.2	131						
Surr: 4-Bromofluorobenzene	10.22	0	11.36	0	90.0	64.1	120						
Surr: Toluene-d8	10.62	0	11.36	0	93.5	75.1	127						
Sample ID: LCSD_R22270	SampType: LCSD	TestCod	de: 8260B_W	Units: µg/L		Prep Dat	e: 12/30/2	009	RunNo: 222	270			
Client ID: ZZZZZ	Batch ID: R22270	TestN	lo: SW8260B			Analysis Dat	e: 12/30/2	009	SeqNo: 318	3578			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzene	15.41	0.50	17.04	0	90.4	66.9	140	16.02	3.88	20			
Toluene	16.59	0.50	17.04	0	97.4	76.6	123	16.53	0.362	20			
Surr: Dibromofluoromethane	11.35	0	11.36	0	99.9	61.2	131	0	0	0			
Surr: 4-Bromofluorobenzene	9.760	0	11.36	0	85.9 64.1			0	0	0			
Surr: Toluene-d8	10.31	0	11.36	0	90.8	75.1	127	0	0	0			

Value above quantitation range Qualifiers:

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Page 3 of 4

Analyte detected below quantitation limits

CLIENT: KLEINFELDER

Work Order: 0912204

ANALYTICAL QC SUMMARY REPORT

BatchID: T22264 **Project:** 54504-10 Independent Road

Sample ID: MB_T22264	SampType: MBLK	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 12/29/2009	RunNo: 22264
Client ID: ZZZZZ	Batch ID: T22264	TestNo: SW8260B(TP	Analysis Date: 12/29/2009	SeqNo: 318567
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	ND	50		
Surr: 4-Bromofllurobenzene	8.480	0 11.36 0	74.6 53 118	
Sample ID: LCS_T22264	SampType: LCS	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 12/29/2009	RunNo: 22264
Client ID: ZZZZZ	Batch ID: T22264	TestNo: SW8260B(TP	Analysis Date: 12/29/2009	SeqNo: 318568
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	232.0	50 227 0	102 52.4 127	
Surr: 4-Bromofllurobenzene	11.03	0 11.36 0	97.1 53 118	
Sample ID: LCSD_T22264	SampType: LCSD	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 12/30/2009	RunNo: 22264
Client ID: ZZZZZ	Batch ID: T22264	TestNo: SW8260B(TP	Analysis Date: 12/30/2009	SeqNo: 318569
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	236.0	50 227 0	104 52.4 127 232	1.71 20
Surr: 4-Bromofllurobenzene	9.560	0 11.36 0	84.2 53 118 0	0 0

Value above quantitation range Qualifiers:

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 4 of 4

Torrent Laboratory, Inc.

WORK ORDER Summary

24-Dec-09

Work Order 0912204

Client ID: KLEINFELDER (OAKLAND)

Project: 54504-10 Independent Road

QC Level:

Comments: 5 day TAT!!! Needs EDF!!!! Pls. Email to adominguez@kleinfelder.com.Recv'd 6 waters for TPHg;BTEX;TPHDSG.

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL Sul	Storage
0912204-001A	MW-1	12/23/2009 9:50:00 AM	12/23/2009	12/30/2009	Water	8260B_W_PETRO			✓	SR/ORG
				12/30/2009		TPH_GAS_W_GC				SR/ORG
				12/30/2009		TPHDSG_W				SR/ORG
0912204-002A	MW-2	12/23/2009 12:00:00 PM		12/30/2009		8260B_W_PETRO			✓	SR/ORG
				12/30/2009		TPH_GAS_W_GC				SR/ORG
				12/30/2009		TPHDSG_W				SR/ORG
0912204-003A	MW-2D	12/23/2009 12:08:00 PM		12/30/2009		8260B_W_PETRO			✓	SR/ORG
				12/30/2009		TPH_GAS_W_GC				SR/ORG
				12/30/2009		TPHDSG_W				SR/ORG
0912204-004A	MW-3	12/23/2009 1:20:00 PM		12/30/2009		8260B_W_PETRO			✓	SR/ORG
				12/30/2009		TPH_GAS_W_GC				SR/ORG
				12/30/2009		TPHDSG_W				SR/ORG
0912204-005A	MW-4	12/23/2009 11:00:00 AM		12/30/2009		8260B_W_PETRO			✓	SR/ORG
				12/30/2009		TPH_GAS_W_GC				SR/ORG
				12/30/2009		TPHDSG_W				SR/ORG
0912204-006A	MW-5	12/23/2009 2:35:00 PM		12/30/2009		8260B_W_PETRO			✓	SR/ORG
				12/30/2009		TPH_GAS_W_GC				SR/ORG
				12/30/2009		TPHDSG_W				SR/ORG

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