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By Iopprojectop at 11:23 am, May 11, 2006

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RE: Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601
LOP SID# 2118
Fuel Leak Case No. R00000096
USTCF Claim No. 014551
Clearwater Group Project # ZP046H

Dear Mr. Wickham,

As the legally authorized representative of the above-referenced project location I have reviewed the *Groundwater Monitoring Report - First Quarter 2006* prepared by my consultant of record, Clearwater Group, Inc. I declare, under penalty of perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Sincerely,

Muhammad Jamil
Mr. Muhammad Jamil



FILE COPY

April 14, 2006

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By loprojectop at 11:23 am, May 11, 2006

Mr. Jerry Wickham, Hazardous Materials Specialist
Alameda County Environmental Health Services
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: *Groundwater Monitoring Report - First Quarter 2006*

Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601
LOP StID# 2118
USTCF Claim No. 014551
Clearwater Group Project No. ZP046H

Dear Mr. Wickham,

Clearwater Group (Clearwater) has prepared a First Quarter 2006 quarterly monitoring report for the subject site. This report presents the groundwater monitoring activities and associated results. Please note that:

1. Alameda County Environmental Health Services' (ACEH) review letter dated September 21, 2005 requested analysis for compounds ethanol, 1,2-Dichloroethane (DCA), and 1,2-Dibromoethane (EDB) for, at a minimum, two additional quarters. Thus, data for these compounds are included in the Fourth Quarter 2005 and the First Quarter 2006 monitoring reports (see Table 2). Concentrations of these compounds are less than the Method Reporting Limits (MRLs).

2. To comply with the on-site soil and groundwater investigation request in ACEH 21 September 2005 and 1 November 2005 letters, a total of 15 new wells, including seven monitoring wells, six oxygen delivery wells, and two groundwater extraction wells, were installed between December 15 – 20, 2005. Two deep monitoring wells (MW-4D and MW-5D) screened between 35 to 45 feet bgs, were included to monitor the level of groundwater impact and the magnitude of vertical migration of contaminants in the deeper subsurface groundwater. All new wells were developed on January 13, 2006.



Those new wells were installed and developed after the Fourth Quarter 2005 sampling event performed on November 16, 2006. All new wells and previously installed monitoring wells MW-1 through MW-3 were gauged and sampled during this monitoring event.

3. In order to provide baseline geochemical information for the interim remediation system that includes iSOC diffusers and groundwater extraction wells, water quality parameters such as dissolved oxygen (DO), oxidation-reduction potential (ORP), concentrations of total iron and ferrous iron, pH, groundwater temperature, and conductivity data were also collected from all on-site wells. Since the site still has very high gasoline hydrocarbon and oxygenate concentrations, indigenous microorganisms are not efficiently degrading those contaminants. Thus, collecting data for monitored natural attenuation (MNA) that includes biodegradation is not useful at this time. Pending the performance of the iSOC bio-enhanced interim remediation, a baseline microbiological data will be collected in the future if the iSOC diffusers are found to be effective and can be improved.

4. To delineate the on-site groundwater elevation distribution, and also to meet the Geotracker data requirements, a well casing elevation/coordinates survey was conducted on March 16, 2006.

The associated soil and groundwater investigation report is being prepared, and will be submitted by May 23, 2006. Enclosed please find a copy of the *First Quarter 2006 Groundwater Monitoring Report* for the above referenced site. If you have any questions regarding this monitoring report, please do not hesitate to call me at (510) 307-9943 ext 231.

Sincerely,
Clearwater Group

A handwritten signature in black ink, appearing to read "Jim Ho".

Jim Ho, Ph.D., P.E.
Principal Engineer

Enclosure



April 14, 2006

FILE COPY

San Francisco Bay Region
California Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

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By loprojectop at 11:23 am, May 11, 2006

RE: *Groundwater Monitoring Report - First Quarter 2006*
Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601
LOP StID# 2118
USTCF Claim No. 014551
Clearwater Group Project No. ZP046H

Dear Sir/Madam:

Enclosed please find a copy of the *First Quarter 2006 Groundwater Monitoring Report* prepared for the above referenced property for your files. If you have any questions regarding the status of the project, please do not hesitate to call me at (510) 307-9943 ext 231.

Sincerely,
Clearwater Group

A handwritten signature in black ink, appearing to read "Jim Ho".

Jim Ho, Ph.D., P.E., CGWP
Principal Engineer

Enclosure


CLEARWATER
G R O U P
Environmental Services

RECEIVED

By loprojectop at 11:23 am, May 11, 2006

FILE COPY

April 14, 2006

Mr. Muhammad Jamil
40092 Davis Street
Fremont, CA 94538

RE: *Groundwater Monitoring Report - First Quarter 2006*
Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601
LOP StID# 2118
USTCF Claim No. 014551
Clearwater Group Project No. ZP046H


Dear Mr. Jamil,

Enclosed please find a copy of the *First Quarter 2006 Groundwater Monitoring Report* prepared for the subject property. I have forwarded the original to the Alameda County Environmental Health Services (ACEHS) on your behalf.

Following ACEH requests included in letters dated 26 May 2005, 21 September 2005, and 1 November 2005, we have completed an on-site soil and groundwater investigation, and are currently preparing the summary report as well as applying for the permit for an interim remedial system for the subject property. If there are any questions regarding the status of the project, please do not hesitate to call me at (510) 307-9943 ext 231.

Thank you so much for your cooperation and support for this site closure effort.

Sincerely,
Clearwater Group



Jim Ho, Ph.D., P.E., CGWP
Principal Engineer

Enclosure



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April 14, 2006

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By loprojectop at 11:23 am, May 11, 2006

Mr. Jerry Wickham, Hazardous Materials Specialist
Alameda County Environmental Health Services
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: *Quarterly Groundwater Monitoring Report – First Quarter 2006*
Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601
LOP Site ID# 2118
USTCF Claim No. 014551
Clearwater Project No. ZP046H

Clearwater Group (Clearwater) has prepared a First Quarter 2006 quarterly monitoring report for the subject site. This report presents the groundwater monitoring activities and associated results.

SITE DESCRIPTION

The site is located in the southern portion of Oakland, Alameda County, California at the southern corner of the intersection of San Leandro Street and High Street, and is approximately 1,000 feet east of Interstate Highway 880 (Figure 1). The site is bounded by commercial property to the southeast, southwest and northwest and by the elevated Bay Area Rapid Transit (BART) tracks to the northeast (see Figure 2). The site is underlain predominantly by clays with some clayey gravel and clayey sand at depths to approximately 10 feet below ground surface (bgs), and silty sand below 20 feet bgs in some areas.

BACKGROUND

On 21 and 22 April 1999, Clearwater (formerly Artesian Environmental) oversaw the removal of five underground storage tanks (USTs) consisting of two 6,000-gallon gasoline tanks, two 4,000-gallon diesel tanks, and one 300-gallon used-oil tank from the site. Strong petroleum odors were detected from soils near the former UST locations



during field observation. A total of five soil samples and three groundwater samples were collected from the UST excavation for confirmation. Laboratory analysis suggested that an unauthorized release of petroleum had occurred. The former UST excavation area is shown in Figure 2 and was defined by driven steel structural shoring installed to protect onsite and offsite buildings.

In a letter dated 10 May 1999, the ACEHS recommended that soil be remediated by over-excavation and "as much groundwater as possible" be pumped from the excavation. Approximately 800 tons of petroleum-impacted soils were excavated and disposed of as Class II non-hazardous waste; and approximately 1,000 gallons of petroleum-impacted groundwater was pumped and removed from the site. Groundwater did not recharge quickly after the initial pumping due to the steel shoring. Existing on- and off-site structures and associated shoring limited the amount of soil that could be safely excavated. Soil samples collected from the excavation walls and product-piping trenches indicated that residual concentrations of petroleum hydrocarbons and methyl-tert-butyl-ether (MTBE) still existed.

On 4 and 5 August 1999, approximately 100 linear feet of product piping was removed. Vent piping from between the former USTs and the southern corner of the on-site building was also removed. All piping was cut up and disposed of as scrap metal. On 5 August 1999, confirmation soil samples were collected along the piping trench. Six samples were collected from approximately three feet bgs. An additional four samples were collected, one from each of the four former fuel dispensers. Laboratory analytical results indicated that hydrocarbon-related contamination existed along the piping trenches.

On 26 September 2000, West Hazmat of Rancho Cordova, California, used a CME 75 drill rig to advance three borings to approximately 25 feet bgs and collect soil samples. Each of the three borings was converted to a groundwater-monitoring well (see Figure 2) using clean, flush-threaded, 2-inch diameter polyvinyl chloride (PVC) for well casing. The construction data for these three wells are presented in Table 1.

On 3 and 10 October 2000, Clearwater surveyed the top of the casing elevation for each of the wells relative to an arbitrary datum, and developed the wells for monitoring purposes. Initial groundwater samples collected from these wells contained 83,000 micrograms per liter ($\mu\text{g/L}$) to 250,000 $\mu\text{g/L}$ total petroleum hydrocarbon as gasoline (TPH-g) and 33,000 $\mu\text{g/L}$ to 400,000 $\mu\text{g/L}$ MTBE.

On 3 August 2001, Clearwater submitted its *Groundwater Monitoring Report - Second Quarter 2001* and *Sensitive Receptor Survey and Workplan for Continuing Investigation*. It was determined, at that time, that there were no major ecological receptors, permanent surface waters or domestic-use wells within a 2,000-foot radius of the site. The proposed scope of the workplan included the installation of eight groundwater monitoring wells



around the site to delineate the MTBE plume in groundwater. In response to Clearwater's workplan, ACEH staff, in a correspondence dated 18 October 2001, recommended that the installation of additional off-site wells not be performed for the time being. Instead, ACEH staff requested that further characterization of subsurface soils and groundwater on the subject site be completed prior to the installation of any off-site wells.

Quarterly monitoring was suspended after the Third Quarter 2001 event that took place on August 3, 2001. Quarterly monitoring resumed in July 2003 and has continued every quarter since then. The historical groundwater monitoring and sampling results are listed in Table 2.

On 9 January 2004, after completing its review of the Third Quarter 2003 groundwater monitoring report, ACEH staff requested a work plan to include additional on-site and off-site subsurface investigations and address the extent of groundwater impact on site. Clearwater staff, then, proceeded to submit an Interim Remedial Action Plan (IRAP) as requested by ACEH staff on 14 January 2004.

In order to expedite the implementation of the IRAP, Clearwater formally requested Oakland Fire Department to review the IRAP and the Fourth Quarter 2004 groundwater monitoring report as well as to oversee the project. The Fire Department verbally agreed to oversee this project. The correspondence is shown in letters to the Fire Department dated 3 and 15 December 2004. Fire Department turned the project over to ACEH. ACEH provided its review comments for the IRAP and the *First Quarter 2005 Groundwater Monitoring Report* in a letter dated May 26, 2005. Pursuant to ACEH request described in this letter, Clearwater submitted a *Soil and Groundwater Investigation Workplan* on August 10, 2005. In review letters dated September 21, 2005 and November 1, 2005, ACEH approved the implementation of a modified IRAP proposed in Clearwater's June 13, 2005 letter entitled "*Recommendations for Interim Remedial Actions*" and the August 10, 2005 *Soil and Groundwater Investigation Workplan*. Based on the above documents and correspondences, Clearwater conducted Geoprobe soil and groundwater sampling during December 6 – 9, 2005 and March 29 – April 2, 2006, and installed 15 additional on-site wells during December 15 – 20, 2005. In order to monitor the level of groundwater impact and the magnitude of vertical migration of contaminants in deeper groundwater, two deep monitoring wells MW-4D and MW-5D screened between 35 to 45 feet bgs were also installed. The construction data for all the new wells are also presented in Table 1.

GROUNDWATER MONITORING ACTIVITIES

The First Quarter 2006 groundwater monitoring event was performed on February 21 and 22, 2006. The event included gauging of groundwater depth, well purging and sampling, and laboratory analysis of groundwater samples. These activities are described below:



Groundwater Gauging, Purging, and Sampling

On 22 February 2006, all available on-site wells (18 wells) were monitored. An electronic water level indicator accurate to within ± 0.01 feet was used to gauge the depth to water. All wells were checked for the presence of Separate Phase Hydrocarbons (SPH) prior to purging.

Prior to groundwater sampling, all wells were purged of groundwater until measurements of temperature, pH, and conductivity stabilized which occurred by removal of approximately three wetted casing volumes. Depth to water and well purging information were recorded on Well Gauging/Purging Calculations and Purging Data Sheets (see Attachment 1). Purging devices were decontaminated between wells with an Alconox® wash followed by double rinsing in clean tap water to prevent cross-contamination. Purge water and rinseate were pumped into labeled 55-gallons drums and removed from the site for future disposal. Following recovery of water levels to at least 80% of their static levels, groundwater samples were collected from the wells using disposable polyethylene bailers. The samples were labeled, documented on a chain-of-custody form, and placed on ice in a chilled cooler for transport to the project laboratory.

All work was performed in accordance with Clearwater's Groundwater Monitoring and Sampling Field Procedures (see Attachment 2).

Laboratory Analysis

Groundwater samples were analyzed by Kiff Analytical LLC, a California Department of Health Services certified laboratory, located in Davis, California. The samples were analyzed by EPA Method 8260B for TPH-g, benzene, toluene, ethylbenzene, and xylenes (BTEX), seven oxygenates that included MTBE, di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tert-butanol (TBA), methanol, and ethanol, and lead scavengers: DCA, and EDB. Analysis for TPH-d was conducted by EPA Method 8015M. Complete laboratory analytical reports including chain-of-custody forms are included in Attachment 3.

GROUNDWATER MONITORING RESULTS

During well purging, hydrocarbon like odors were easily detected from monitoring wells MW-1 through MW-8, iSOC wells IS-1 through IS-6, and extraction wells EW-1 and EW-2. This may indicate the existence of high concentrations of volatiles in groundwater. Sheen was found in monitoring wells MW-1, MW-2, MW-4, MW-7, MW-8, and iSOC wells IS-1 through IS-6 and extraction wells EW-1 and EW-2. More sheen was also observed in well IS-5. This suggests the presence of low solubility hydrocarbon product or semi-volatiles such as THP-d in those wells. This judgment has been confirmed by the elevated TPH-d and TPH-g concentrations of 35,000 $\mu\text{g/L}$ and 66,000 $\mu\text{g/L}$ respectively detected in well IS-5 during this monitoring event. These data are included in the

laboratory analysis report. All wells exhibited some level of turbidity, ranging from low to high. Colors of the water ranged from tan, brown to gray. Water purged from wells IS-5 and MW-4 had high turbidity. Groundwater in the other wells had moderate to low turbidity. Also, it should be noted that:

1. No sheen and odor was identified in deep monitoring wells MW-4D and MW-5D.
2. Groundwater recovered slowly in all on-site wells after purging.

Groundwater Elevation and Flow

On 21 February 2006, depths to groundwater in shallow monitoring wells ranged from 6.63 feet (MW-5) to 12.69 (MW-2) feet bgs. Depths to groundwater for deep monitoring wells MW-4D and MW-5D were 15.58 feet and 13.68 feet bgs, respectively (see Table 2). Both the depth to groundwater data and the top of casing elevations surveyed on March 16, 2006 were used to calculate the groundwater elevation. The calculated shallow groundwater elevation ranged from 13.95 feet (IS-2) to 9.36 feet (MW-2) above mean sea level (msl). The deep groundwater elevation for deep monitoring wells MW-4D and MW-5D was 5.96 feet and 6.64 feet above msl, respectively. The average groundwater elevations in shallow and deep water-bearing zones are, respectively, 12.57 feet and 6.30 feet above msl. A groundwater elevation contour map for the shallow groundwater was generated and is shown in Figure 3.

Compared to previous groundwater elevation data (when only three monitoring wells MW-1 through MW-3 were available) with the addition of 15 more data points, the following major differences have been clearly identified:

- The groundwater elevation contours observed in this quarterly monitoring event, when data from 16 shallow wells are available, has much higher resolution;
- As opposed to the east and southeast groundwater flow directions often determined in the past, the groundwater flow identified during this monitoring event are in the northwest and southwest directions assuming all shallow wells are located in the same water bearing zone;
- Higher groundwater elevation is found in the east portion of the subject property; and
- A downward groundwater gradient has been found. The calculated vertical hydraulic gradient is approximately 0.28 ft/ft.



Laboratory Analytical Results

Like the conditions indicated by historical data, both diesel-range and gasoline-range hydrocarbons were again detected in samples collected from all shallow wells. The highest TPH-d and TPH-g concentrations of 35,000 µg/L and 66,000 µg/L were found in well IS-5. The level of TPH-g concentration in groundwater under the site is likely much higher than the TPH-d concentration. This judgment can be supported by relatively high benzene concentrations obtained from shallow groundwater. High benzene concentrations have been detected in wells MW-4 (3,200 µg/L), MW-8 (1,200 µg/L), IS-2 (1,200 µg/L), IS-3 (2,700 µg/L), IS-5 (4,100 µg/L), IS-6 (1,000 µg/L), EW-1 (3,100 µg/L), and EW-2 (1,800 µg/L). The level of groundwater impact at the site has not significantly changed after including all the analytical data obtained from 18 wells. Elevated levels of MTBE and TBA still exist. High MTBE concentration is found in wells MW-2 (400,000 µg/L), MW-4 (770,000 µg/L), MW-5 (480,000 µg/L), MW-8 (400,000 µg/L), IS-3 (750,000 µg/L), IS-5 (420,000 µg/L), and EW-1 (700,000 µg/L). Relatively high TBA concentration is found in wells MW-1 (120,000 µg/L), MW-2 (130,000 µg/L), IS-1 (130,000 µg/L), and IS-6 (210,000 µg/L). Laboratory analytical data for the above results are listed in Table 2 as well as shown in Figure 4.

Based on the geochemical data obtained from this quarterly monitoring event, it is worth noting that:

- A similar level of DO is found in shallow and deep groundwater. DO ranges from 3.06 mg/L (IS-1) to 5.94 mg/L (MW-4D) except for well IS-5. Since well IS-5 has the highest TPH-d and TPH-g concentrations, the associated DO is only 0.64 mg/L.
- Both DO and ORP data indicate that on-site groundwater is still slightly aerobic, except for water near well IS-5. The data of pH, temperature, and conductivity are normal and typical.
- The high concentrations of hydrocarbons and oxygenates are at a level that might inhibit aerobic biodegradation.

The field-measured water quality data are included in Table 3.

FINDINGS AND CONCLUSIONS

Based on the First Quarter 2006 monitoring results discussed above, findings for this monitoring event are listed below:

- The local groundwater distribution is complicated due to discontinuous gravel and sand lenses within the clayey sediment. As a result, the local groundwater cannot be



simply delineated by horizontal groundwater elevation contours. The contour map presented in Figure 3 can only be used as a general reference.

- The dominance of clayey sediment under the site has been reflected by the slow groundwater recovery rate and low groundwater yield. Groundwater under the subject site is likely to be under confined or semi-confined conditions.
- Although a strong vertical gradient has been identified at the site, due to the presence of thick clayey sediment, molecular diffusion is very likely to be the primary mechanism that controls the migration of contaminants in the vertical direction.
- The highest TPH-d and TPH-g concentrations actually exist in well IS-5, which is near an existing dispenser island. This situation could not have been identified if only data from the original monitoring wells MW-1 through MW-3 were used.
- Although groundwater in shallow wells MW-4 and MW-5 is greatly impacted, deep groundwater at the same locations is still relatively clean. The highest MTBE and TBA concentrations in the deeper groundwater zone are 440 µg/L and 5.5 µg/L, respectively. The TPH-d, TPH-g, and BTEX compounds in the deeper zone have concentrations that are less than the associated MRLs.
- Major groundwater impact is found in wells MW-2, MW-4, MW-5, MW-8, IS-3 through IS-6, and EW-1. Except for wells MW-2 and EW-1, these most contaminated wells are located in the upgradient portion of the subject site.
- Except for water near well IS-5, local groundwater is not anaerobic.
- Based on the groundwater distribution and analytical data obtained from this monitoring event, the former UST excavation area does not seem to be the source of local groundwater impact. Conversely, the eastern dispenser island could very likely be a significant source.
- Since well MW-2 is located downgradient from the suspected source area, the existence of high MTBE and TBA concentrations in MW-2 suggests that residual MTBE still exists at the subject site.

FORECASTED ACTIVITIES

The ACEH letter dated May 26, 2005 requested the following activities for the subject site: implementation of an interim remedial action, performance of a three-dimensional soil and groundwater investigation, preparation of a Corrective Action Plan, and continuous quarterly groundwater monitoring.



Clearwater has completed the fieldwork required for the soil and groundwater investigation discussed in the *Soil and Groundwater Investigation Workplan* dated August 10, 2005. This workplan has been reviewed and approved by ACEH with minor comments in letters dated September 21, 2005 and November 1, 2005. The investigation report is currently being prepared. Clearwater also has completed the design of an interim remedial system. The City of Oakland Planning Department has verbally approved the sewer discharge permit for the remedial system. Clearwater will begin the selection of contractors for installation of the remediation compound after the permit is available.

FIGURES

- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3: Groundwater Elevation Map – 2/21/06
- Figure 4: Dissolved Hydrocarbon Map – 2/22/06

TABLES

- Table 1: Well Construction Data
- Table 2: Groundwater Elevations and Sample Analytical Results
- Table 3: Water Quality Data

ATTACHMENTS

- Attachment 1: Well Gauging Data/Purge Calculations, Purging Data
- Attachment 2: Groundwater Monitoring and Sampling Field Procedures
- Attachment 3: Laboratory Analytical Reports and Chain-of-Custody Form

Cc: Mr. Muhammad Jamil
40092 Davis Street
Fremont, CA 94538

San Francisco Bay Region
California Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612



CERTIFICATION

This report was prepared under the supervision of a Professional Geologist in the State of California. All statements, conclusions and recommendations are based solely upon published results from previous consultants, field observations by Clearwater staff and laboratory analyses performed by a State of California certified laboratory related to the work performed by Clearwater staff.

Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service provided by Clearwater staff has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of this profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

Sincerely,

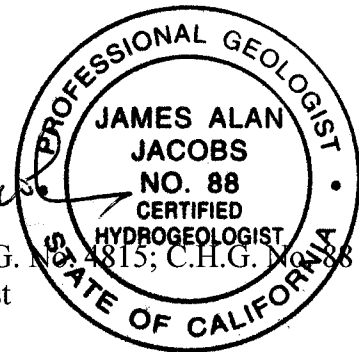
Clearwater Group

Prepared by:

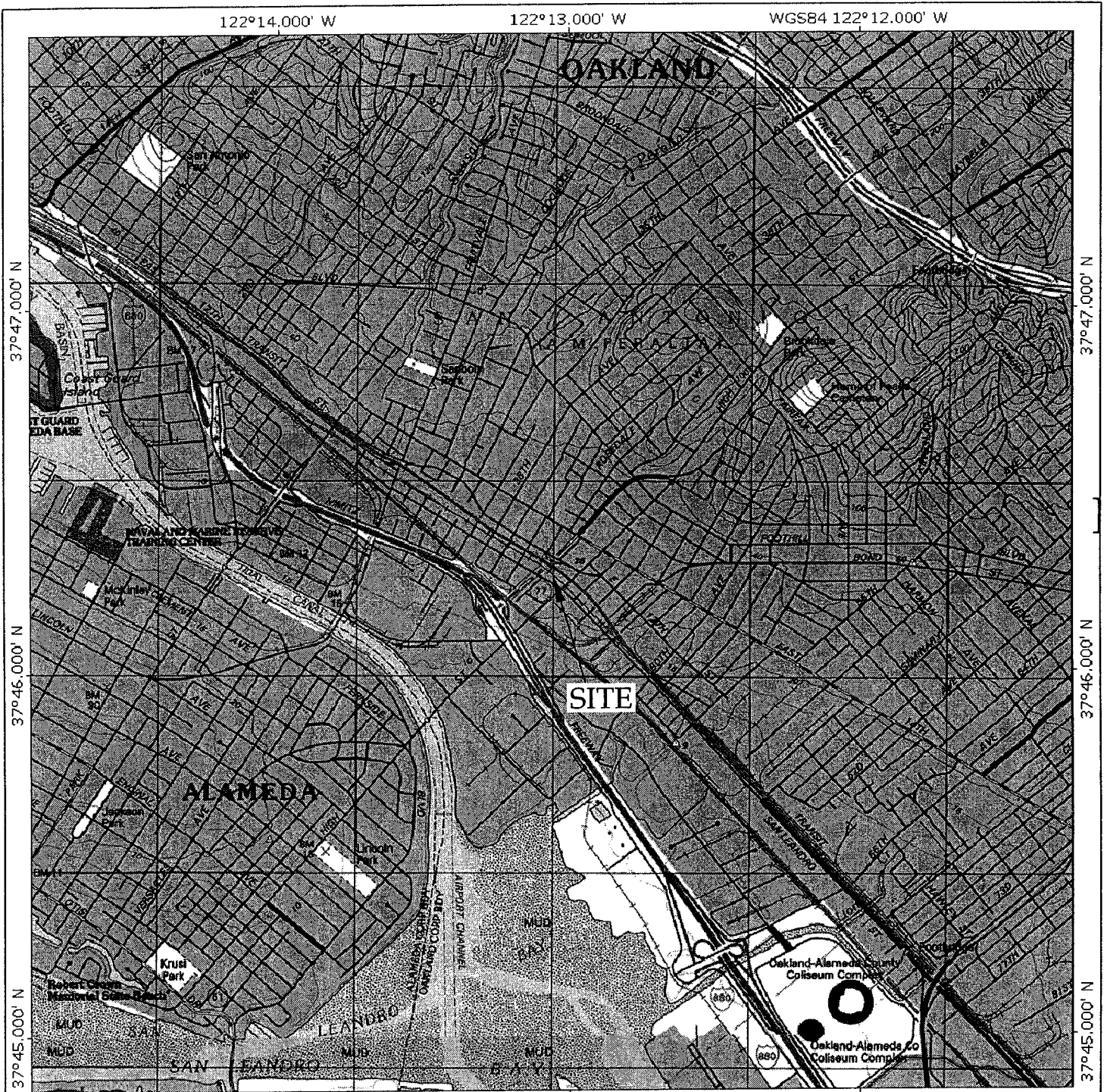
A handwritten signature in black ink, appearing to read "Jim Ho".

Jim Ho, Ph.D., CGWP
Principal Engineer

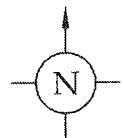
Reviewed by:

A handwritten signature in black ink, appearing to read "James A. Jacobs".
James A. Jacobs, P.G.
Chief Hydrogeologist

Figures

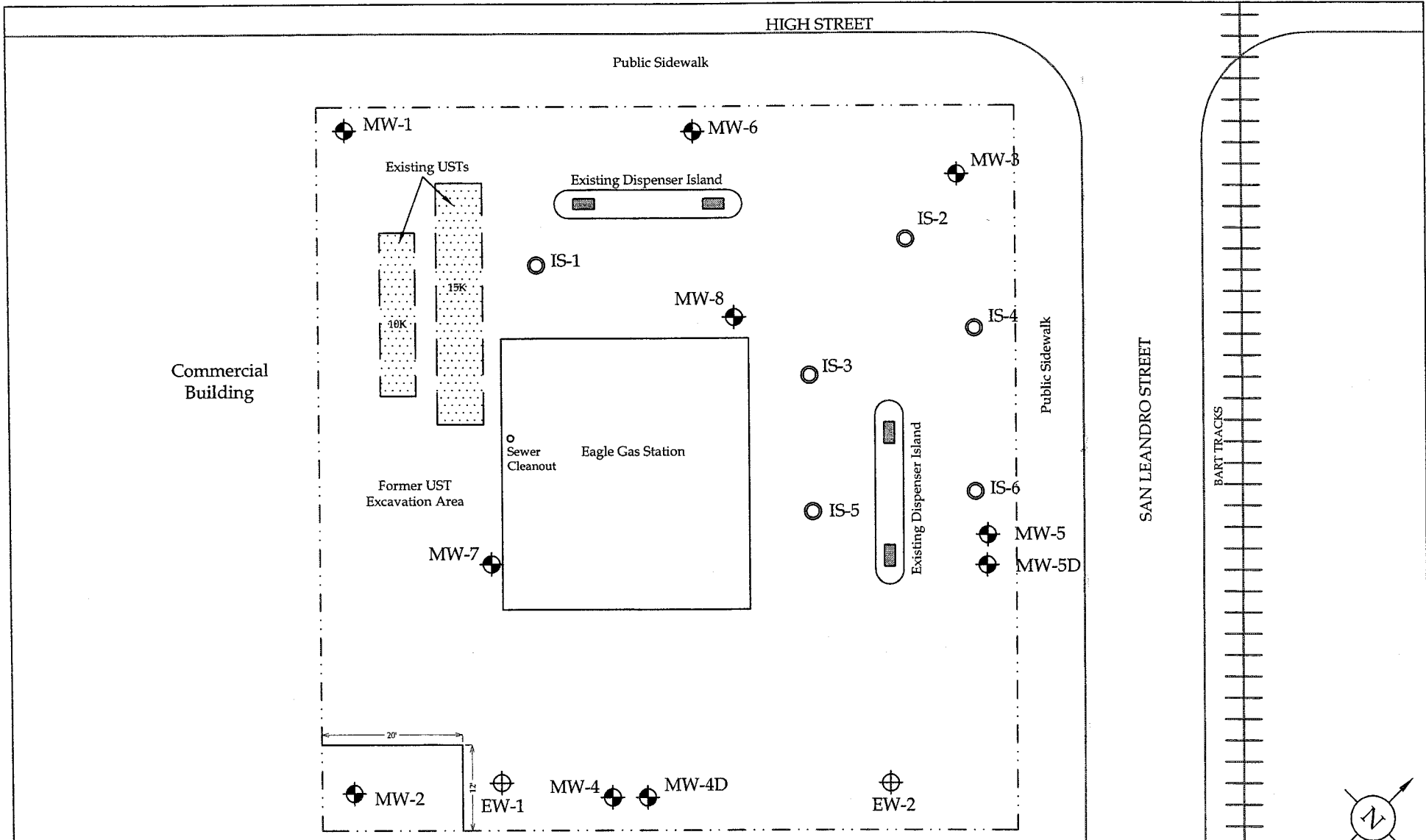


Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)







SITE VICINITY MAP
 Eagle Gas
 4301 San Leandro Street
 Oakland, California

CLEARWATER GROUP		
Project No. ZP046H	Figure Date 4/06	Figure 1

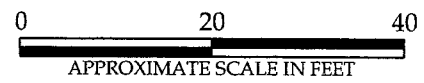


LEGEND

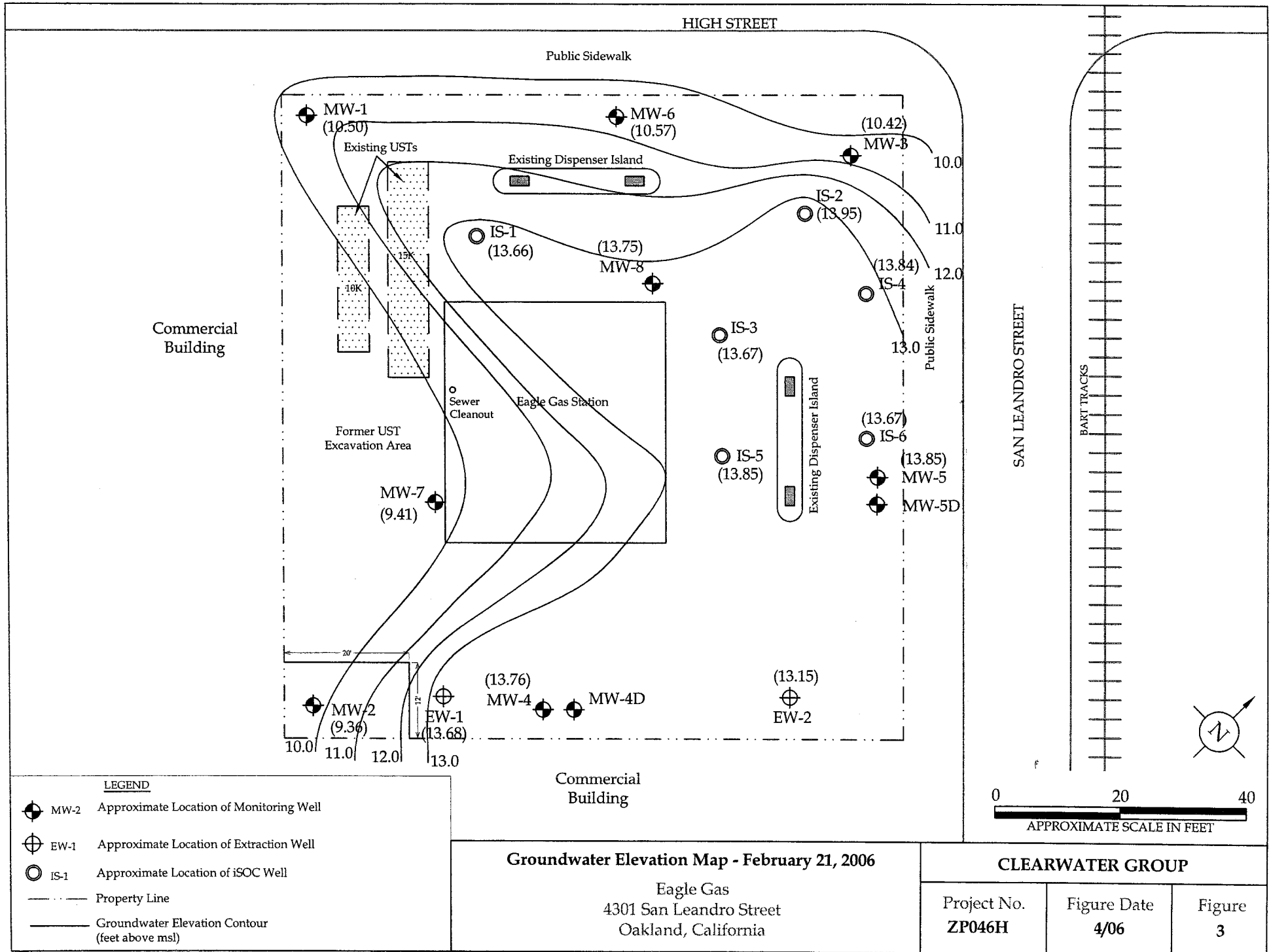
-  MW-2 Approximate Location of Monitoring Well With
-  EW-1 Approximate Location of Extraction Well
-  IS-1 Approximate Location of iSOC Well
-  Property Line

Commercial Building






Site Plan
 Eagle Gas
 4301 San Leandro Street
 Oakland, California



CLEARWATER GROUP		
Project No. ZP046H	Figure Date 4/06	Figure 2



LEGEND

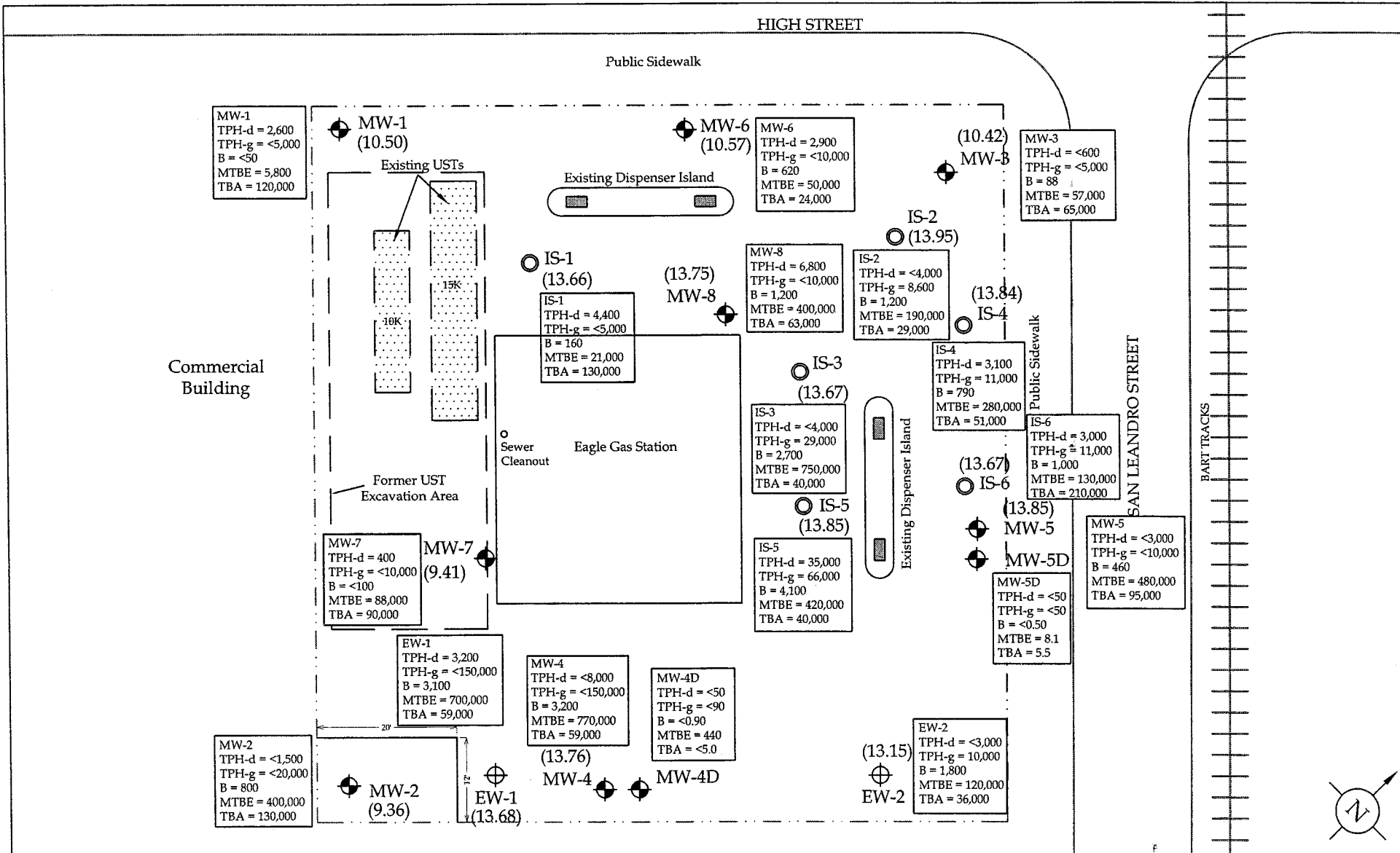
-  MW-2 Approximate Location of Monitoring Well
-  EW-1 Approximate Location of Extraction Well
-  IS-1 Approximate Location of iSOC Well
-  Property Line
-  Groundwater Elevation Contour (feet above msl)

Groundwater Elevation Map - February 21, 2006

Eagle Gas
4301 San Leandro Street
Oakland, California

CLEARWATER GROUP

Project No. ZP046H	Figure Date 4/06	Figure 3
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Dissolved Hydrocarbon Map - February 22, 2006

Eagle Gas
4301 San Leandro Street
Oakland, California

CLEARWATER GROUP

Project No. ZP046H	Figure Date 4/06	Figure 4
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Tables

Table 1
WELL CONSTRUCTION DATA
Eagle Gas
4301 San Leandro Street
Oakland, California
Clearwater Group Project No. ZP046H

Well I.D.	Date Installed	Installed by	Borehole Diameter (inches)	Casing Diameter (inches)	Depth of Borehole (feet)	Cement (feet)	Bentonite Seal (feet)	Filter Pack (feet)	Filter Pack Material	Screened Interval (feet)	Slot Size (inches)
MW-1	9/26/2000	estern Hazmat	8	2	25	0-5	5-7	7-25	2/12 sand	10-25	0.01
MW-2	9/26/2000	estern Hazmat	8	2	25	0-5	5-7	7-25	2/12 sand	10-25	0.01
MW-3	9/26/2000	estern Hazmat	8	2	25	0-5	5-7	7-25	2/12 sand	10-25	0.01
MW-4	12/19/2005	HEW Drilling	8	2	25	0-5	5-8	8-25	#3 sand	10-25	0.02
MW-4d	12/19/2005	HEW Drilling	8	2	45	0-30	30-33	33-45	#3 sand	35-45	0.02
MW-5	12/15/2005	HEW Drilling	8	2	25	0-5	5-8	8-25	#3 sand	10-25	0.02
MW-5d	12/15/2005	HEW Drilling	8	2	45	0-30	30-33	33-45	#3 sand	35-45	0.02
MW-6	12/20/2005	HEW Drilling	8	2	25	0-5	5-8	8-25	#3 sand	10-25	0.02
MW-7	12/19/2005	HEW Drilling	8	2	25	0-5	5-8	8-25	#3 sand	10-25	0.02
MW-8	12/21/2005	HEW Drilling	8	2	25	0-5	5-8	8-25	#3 sand	10-25	0.02
IS-1	12/20/2005	HEW Drilling	8	2	25	0-3	3-6	6-25	#3 sand	10-25	0.02
IS-2	12/20/2005	HEW Drilling	8	2	25	0-3	3-6	6-25	#3 sand	10-25	0.02
IS-3	12/21/2005	HEW Drilling	8	2	25	0-3	3-6	6-25	#3 sand	10-25	0.02
IS-4	12/20/2005	HEW Drilling	8	2	25	0-3	3-6	6-25	#3 sand	10-25	0.02
IS-5	12/21/2005	HEW Drilling	8	2	25	0-3	3-6	6-25	#3 sand	10-25	0.02
IS-6	12/20/2005	HEW Drilling	8	2	25	0-3	3-6	6-25	#3 sand	10-25	0.02
EW-1	12/16/2005	HEW Drilling	8	4	25	0-3	3-6	6-25	#3 sand	10-25	0.02
EW-2	12/16/2005	HEW Drilling	8	4	25	0-3	3-6	6-25	#3 sand	10-25	0.02

Note: All depths and Intervals are below ground surface

TABLE 2
GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS
 Eagle Gas Station
 4301 San Leandro Street
 Oakland, California

Sample ID	Sample Date	TOC (feet)	DTW (feet)	GWE (feet)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	DCA (µg/L)	EDB (µg/L)
MW-1	10/3/2000	18.37	8.96	9.41	460	93,000	<500	<500	<500	<500	130,000	<10,000	<10,000	<10,000	<2,000	---	---	---	---
	10/27/2000	18.37	7.27	11.10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/26/2001	18.37	7.60	10.77	1,600*	51,000	270	<100	<100	<100	77,000	<5,000	<5,000	<5,000	<20,000	---	---	---	---
	5/8/2001	18.37	7.50	10.87	470*	36,000*	<100	<100	<100	<100	15,000	<5,000	<5,000	<5,000	<20,000	---	---	---	---
	8/3/2001	18.37	7.09	11.28	2,200*	19,000*	<50	59	<50	<50	96,000	<5,000	<5,000	<5,000	<20,000	---	---	---	---
	7/1/2003	18.37	7.59	10.78	3,000	<25,000	<250	<250	<250	<250	170,000	<250	<250	980	8700	---	---	---	---
	10/1/2003	18.37	8.36	10.01	2,600	<20,000	<200	<200	<200	<200	69,000	<200	<200	270	15,000	---	---	---	---
	2/13/2004	18.37	8.80	9.57	1,800	<10,000	<100	<100	<100	<100	85,000	<100	<100	390	79,000	---	---	---	---
	5/17/2004	18.37	10.92	7.45	5,400	<15,000	<150	<150	<150	<150	60,000	<150	<150	260	160,000	---	---	---	---
	8/6/2004	18.37	7.76	10.61	510	<10,000	<100	<100	<100	<100	26,000	<100	<100	100	250,000	---	---	---	---
	11/12/2004	18.37	9.25	9.12	3,500	<5,000	<50	<50	<50	<50	25,000	<50	<50	150	160,000	---	---	---	---
	2/15/2005	18.37	10.12	8.25	2,900	<5,000	<50	<50	<50	<50	12,000	<50	<50	70	160,000	---	---	---	---
	5/9/2005	18.37	9.58	8.79	1,700	<5,000	<50	<50	<50	<50	11,000	<50	<50	53	200,000	---	---	---	---
	8/8/2005	20.08	10.09	9.99	2,000	<5,000	<50	<50	<50	<50	8,500	<50	<50	<50	250,000	---	---	---	---
	11/16/2005	20.08	9.81	10.27	3,600	<5,000	<50	<50	<50	<50	3,800	<50	<50	<50	140,000	<5,000	<500	<50	<50
	2/22/2006	20.08	9.58	10.50	2,600	<5,000	<50	<50	<50	<50	5,800	<50	<50	<50	120,000	<5,000	<500	<50	<50
MW-2	10/3/2000	20.28	20.26	0.02	210	250,000	<1,250	<1,250	<1,250	<1,250	400,000	<25,000	<25,000	<25,000	<100,000	---	---	---	---
	10/27/2000	20.28	13.88	6.40	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/26/2001	20.28	12.10	8.18	6,000*	740,000	3,800	<500	940	1,600	1,000,000	<50,000	<50,000	<50,000	<200,000	---	---	---	---
	5/8/2001	20.28	12.05	8.23	2,100*	140,000	2,800	<250	780	640	840,000	<50,000	<50,000	<50,000	<200,000	---	---	---	---
	8/3/2001	20.28	13.30	6.98	2,600*	42,000*	1,100	63	230	130	880,000	<25,000	<25,000	<25,000	<100,000	---	---	---	---
	7/1/2003	20.28	14.98	5.30	2,200	<200,000	<2,000	<2,000	<2,000	<2,000	790,000	<2,000	<2,000	3,400	<20,000	---	---	---	---
	10/1/2003	20.28	15.99	4.29	870	<100,000	<1,000	<1,000	<1,000	<1,000	620,000	<1,000	<1,000	2,700	<20,000	---	---	---	---
	2/13/2004	20.28	13.88	6.40	1200	<20,000	860	<200	260	<200	710,000	<200	<200	2,000	<25,000	---	---	---	---
	5/17/2004	20.38	14.68	5.70	2,500	<50000	860	<500	<500	<500	760,000	<500	<500	2,500	13000J	---	---	---	---
	8/6/2004	20.38	15.36	5.02	420	<50000	590	<500	<500	<500	810,000	<500	<500	3,600	17,000J	---	---	---	---
	11/12/2004	20.38	15.49	4.89	500	<150,000	<1500	<1500	<1500	<1500	700,000	<1500	<1500	2,800	25,000J	---	---	---	---
2/15/2005	20.38	14.16	6.22	990	<150,000	<1,500	<1,500	<1,500	<1,500	630,000	<1,500	<1,500	2,600	32,000	---	---	---	---	
5/9/2005	20.38	13.62	6.76	1,100	<150,000	<1,500	<1,500	<1,500	<1,500	570,000	<1,500	<1,500	2,300	32,000	---	---	---	---	

**TABLE 2
GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS**

Eagle Gas Station
4301 San Leandro Street
Oakland, California

Sample ID	Sample Date	TOC (feet)	DTW (feet)	GWE (feet)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	DCA (µg/L)	EDB (µg/L)
MW-2	8/8/2005**	22.05	13.36	8.69	770	<150,000	<1,500	<1,500	<1,500	<1,500	770,000	<1,500	<1,500	2,200	85,000	---	---	---	---
	11/16/2005	22.05	14.51	7.54	890	<70,000	<700	<700	<700	<700	430,000	<700	<700	2,100	130,000	<100,000	<7,000	<700	<700
	2/22/2006	22.05	12.69	9.36	<1,500	<70,000	800	<700	<700	<700	400,000	<700	<700	1,700	130,000	<70,000	<7,000	<700	<700
MW-3	10/3/2000	18.98	---	---	120	83,000	<500	<500	<500	<500	33,000	<2,500	<2,500	<2,500	<10,000	---	---	---	---
	10/27/2000	18.98	18.75	0.23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/26/2001	18.98	13.38	5.60	900*	230,000	930	<500	<500	<500	330,000	<25,000	<25,000	<25,000	<100,000	---	---	---	---
	5/8/2001	18.98	11.82	7.16	1,100*	95,000	840	<250	<250	<250	390,000	<12,500	<12,500	<12,500	<50,000	---	---	---	---
	8/3/2001	18.98	13.44	5.54	290*	30,000*	<50	51	<50	<50	270,000	<12,500	<12,500	<12,500	<50,000	---	---	---	---
	7/1/2003	18.98	12.67	6.31	620	<50,000	<500	<500	<500	<500	230,000	<500	<500	1,800	<5,000	---	---	---	---
	10/1/2003	18.98	14.04	4.94	370	<20,000	<200	<200	<200	<200	120,000	<200	<200	1,200	<5,000	---	---	---	---
	2/13/2004	18.98	12.20	6.78	430	<20,000	280	<200	<200	<200	210,000	<200	<200	1,200	<5000	---	---	---	---
	5/17/2004	18.98	11.87	7.11	920	<25,000	<250	<250	<250	<250	150,000	<250	<250	1,100	5600J	---	---	---	---
	8/6/2004	18.98	13.07	5.91	78	<20,000	<200	<200	<200	<200	110,000	<200	<200	760	<2,500	---	---	---	---
	11/12/2004	18.98	12.83	6.15	120	<20,000	<200	<200	<200	<200	100,000	<200	<200	660	6,000	---	---	---	---
	2/15/2005	18.98	11.95	7.03	130	<25,000	<250	<250	<250	<250	110,000	<250	<250	760	12,000	---	---	---	---
	5/9/2005	18.98	10.51	8.47	320	<15,000	<150	<150	<150	<150	97,000	<150	<150	780	30,000	---	---	---	---
	8/8/2005**	20.73	10.98	9.75	180	<15,000	<150	<150	<150	<150	75,000	<150	<150	500	44,000	---	---	---	---
	11/16/2005	20.73	12.89	7.84	<200	<5,000	<50	<50	<50	<50	37,000	<50	<50	190	38,000	<5,000	<500	<50	<50
2/22/2006	20.73	10.31	10.42	<600	<5,000	88	<50	<50	<50	57,000	<50	<50	420	65,000	<9,000	<500	<50	<50	
MW-4	2/22/2006	21.63	7.87	13.76	<8,000	<150,000	3,200	2,000	1,600	3,800	770,000	<1,500	<1,500	3,300	59,000	<150,000	<15,000	<1,500	<1,500
MW-4D	2/22/2006	21.54	15.58	5.96	<50	<90	<0.90	<0.90	<0.90	<0.90	440	<0.90	<0.90	2	<5.0	<90	<9.0	<0.90	<0.90
MW-5	2/22/2006	20.48	6.63	13.85	<3,000	<10,000	460	<100	170	<100	480,000	<100	<100	3,000	95,000	<90,000	<1,000	<100	<100
MW-5D	2/22/2006	20.32	13.68	6.64	<50	<50	<0.50	<0.50	<0.50	<0.50	8.1	<0.50	<0.50	<0.50	5.5	<50	<5.0	<0.50	<0.50
MW-6	2/22/2006	20.45	9.88	10.57	2,900	<10,000	620	<100	<100	<100	50,000	<100	<100	210	24,000	<10,000	<1,000	<100	<100
MW-7	2/22/2006	21.13	11.72	9.41	400	<10,000	<100	<100	<100	<100	88,000	<100	<100	430	90,000	<10,000	<1,000	<100	<100

**TABLE 2
GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS**

Eagle Gas Station
4301 San Leandro Street
Oakland, California

Sample ID	Sample Date	TOC (feet)	DTW (feet)	GWE (feet)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	DCA (µg/L)	EDB (µg/L)
MW-8	2/22/2006	21.03	7.28	13.75	6,800	<10,000	1,200	<100	270	220	400,000	<100	<100	2,100	63,000	<300,000	<1,000	<100	<100
IS-1	2/22/2006	20.57	6.91	13.66	4,400	<5,000	160	<50	<50	<50	21,000	<50	<50	64	130,000	<5,000	<500	<50	<50
IS-2	2/22/2006	20.87	6.92	13.95	<4,000	8,600	1,200	<9.0	240	17	190,000	<9.0	9.4	1,700	29,000	<150,000	<90	<9.0	<9.0
IS-3	2/22/2006	20.99	7.32	13.67	<4,000	29,000	2,700	820	1,100	2,900	750,000	<100	<100	3,400	40,000	<80,000	<1,000	<100	<100
IS-4	2/22/2006	20.79	6.95	13.84	3,100	11,000	790	<100	120	<100	280,000	<100	<100	2,400	51,000	<10,000	<1,000	<100	<100
IS-5	2/22/2006	21.02	7.17	13.85	35,000	66,000	4,100	<250	3,100	7,700	420,000	<250	<250	4,600	40,000	<25,000	<2,500	<250	<250
IS-6	2/22/2006	20.56	6.89	13.67	3,000	11,000	1,000	<100	560	180	130,000	<100	<100	1,400	210,000	<15,000	<1,000	<100	<100
EW-1	2/22/2006	21.74	8.06	13.68	3,200	<150,000	3,100	<1,500	<1,500	<1,500	700,000	<1,500	<1,500	5,100	59,000	<150,000	<15,000	<1,500	<1,500
EW-2	2/22/2006	20.46	7.31	13.15	<3,000	10,000	1,800	<100	700	670	120,000	<100	<100	1,200	36,000	<80,000	<1,000	<100	<100

NOTES:

- TOC Top of well casing referenced to arbitrary datum prior to 3Q2005
- DTW Depth to water
- GWE Groundwater elevation
- TPHd Total petroleum hydrocarbons as diesel by EPA Method 8015 (modified)
- TPHg Total petroleum hydrocarbons as gasoline by EPA Method 8260B
- BTEX Benzene, toluene, ethylbenzene, total xylenes by EPA Method 8260B
- MTBE Methyl tertiary butyl ether by EPA Method 8260B
- DIPE Di-isopropyl ether by EPA Method 8260B
- ETBE Ethyl tertiary butyl ether by EPA Method 8260B
- TAME Tertiary amyl methyl ether by EPA Method 8260B
- TBA Tertiary butyl alcohol by EPA Method 8260B

**TABLE 2
GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS**

Eagle Gas Station
4301 San Leandro Street
Oakland, California

Sample ID	Sample Date	TOC (feet)	DTW (feet)	GWE (feet)	TPH-d (µg/L)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Methanol (µg/L)	Ethanol (µg/L)	DCA (µg/L)	EDB (µg/L)
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DCA 1,2-Dichloroethane

EDB 1,2-Dibromoethane

(µg/L) Micrograms per liter

<# Not detected in concentrations above laboratory reporting limit

--- no samples collected, no data available

* Laboratory note: "Results within quantitation range; chromatographic pattern not typical of fuel"

** wells re-surveyed on 3/28/2005

Table 3
WATER QUALITY DATA
NAZ Eagle Gas Station
4301 San Leandro Street
Oakland, CA 94601

Well ID	Date	Depth to Bottom (feet)	Depth to Water (feet)	Dissolved Oxygen (DO) (mg/L)	Oxidation-Reduction Potential (ORP) (mV)	Total Iron (mg/L)	Measured Ferrous Iron (mg/L)	Calculated Ferric Iron (mg/L)	pH	Temperature (F)	Conductivity (mS/cm)
IS-1	2/21/2006 ⁽¹⁾	24.91	6.91	3.06	228.10	3.30	3.30	0.0	6.92	63.68	1,090
IS-2	2/21/2006 ⁽¹⁾	24.97	6.92	3.84	220.60	3.30	3.30	0.0	7.02	64.93	956
IS-3	2/21/2006 ⁽¹⁾	24.61	7.32	4.07	151.10	3.30	2.56	0.7	6.90	62.30	965
IS-4	2/21/2006 ⁽¹⁾	24.96	6.95	3.73	184.10	3.30	2.81	0.5	6.95	64.20	1,052
IS-5	2/21/2006 ⁽¹⁾	18.15	7.17	0.64	207.10	NA	NA	NA	6.77	63.56	1,031
IS-6	2/21/2006 ⁽¹⁾	25.16	6.89	4.05	198.70	3.30	2.46	0.8	6.94	64.00	1,092
MW-1	2/21/2006 ⁽¹⁾	24.53	9.58	3.44	203.20	3.30	2.65	0.7	6.94	63.59	1,011
MW-2	2/21/2006 ⁽¹⁾	24.77	12.69	3.29	205.90	3.30	3.01	0.3	6.74	62.44	1,038
MW-3	2/21/2006 ⁽¹⁾	23.08	10.31	3.55	209.60	1.08	0.95	0.1	6.89	66.20	870
MW-4	2/21/2006 ⁽¹⁾	24.78	7.87	3.13	228.80	3.30	3.30	0.0	6.83	62.09	1,051
MW-4D	2/21/2006 ⁽¹⁾	42.37	15.58	5.94	187.40	0.11	0.00	0.1	7.08	64.43	830
MW-5	2/21/2006 ⁽¹⁾	25.08	6.63	3.90	241.50	3.13	2.28	0.9	6.84	63.34	978
MW-5D	2/21/2006 ⁽¹⁾	41.65	13.68	4.23	222.00	0.09	0.00	0.1	7.21	65.95	810
MW-6	2/21/2006 ⁽¹⁾	24.91	9.88	3.37	206.20	0.82	0.09	0.7	7.16	64.37	1,268
MW-7	2/21/2006 ⁽¹⁾	25.53	11.72	3.96	207.00	0.54	0.46	0.1	7.12	65.21	1,680
MW-8	2/21/2006 ⁽¹⁾	24.59	7.28	3.40	214.50	3.30	3.12	0.2	6.85	63.40	1,205
EW-1	2/21/2006 ⁽¹⁾	25.11	8.06	3.55	213.60	3.17	2.29	0.9	6.89	62.73	1,179
EW-2	2/21/2006 ⁽¹⁾	25.21	7.31	3.74	221.90	3.30	3.30	0.0	6.75	61.92	889
Average	2/21/2006 ⁽¹⁾	--	--	3.61	208.41	2.47	2.11	0.36	6.93	63.80	1055.3

NOTE:

(1) 2/21/2006 sampling data represent the baseline prior to the operation of i-SOC diffusers

ATTACHMENT 1

WELL GAUGING DATA/
PURGE CALCULATIONS, PURGING DATA

CLEARWATER GROUP

229 Tewksbury Avenue,
Point Richmond, CA 94801
Tel: (510) 307-9943 Fax: (510) 232-2823

WELL GAUGING/PURGING CALCULATIONS DATA SHEET

Date: 2/21/06 Job No.: 2P046H Location: 4301 San Leandro St. Oakland, CA

Tech(s): Eric Austin
Rodney Berry

Drums on Site @ TOA/TOD

Soil: 0 Water: 0

Total number of DRUMS used for this event

Soil: Water:

Well No.	Diameter (in)	DTB (ft)	DTW (ft)	ST (ft)	CV (gal)	PV (gal)	SPL (ft)	Notes
<u>MW-41</u>	<u>2 in</u>	<u>42.37</u>	<u>15.58</u>	<u>26.79</u>	<u>4.28</u>	<u>12.84</u>		
<u>MW-50</u>	<u>2</u>	<u>41.65</u>	<u>13.68</u>	<u>27.97</u>	<u>4.47</u>	<u>13.41</u>		
<u>MW-5</u>	<u>2</u>	<u>25.08</u>	<u>6.63</u>	<u>18.45</u>	<u>2.95</u>	<u>8.85</u>		
<u>MW-6</u>	<u>2</u>	<u>24.91</u>	<u>9.88</u>	<u>15.03</u>	<u>2.40</u>	<u>7.20</u>		
<u>IS-1</u>	<u>1</u>	<u>24.91</u>	<u>6.91</u>	<u>18.00</u>	<u>2.68</u>	<u>8.64</u>		
<u>IS-2</u>	<u>1</u>	<u>24.97</u>	<u>6.92</u>	<u>17.69</u>	<u>2.83</u>	<u>8.49</u>		
<u>IS-3</u>	<u>1</u>	<u>24.61</u>	<u>7.32</u>	<u>17.29</u>	<u>2.76</u>	<u>8.28</u>		
<u>IS-4</u>	<u>1</u>	<u>24.96</u>	<u>6.95</u>	<u>18.01</u>	<u>2.88</u>	<u>8.64</u>		
<u>IS-5</u>	<u>1</u>	<u>18.15</u>	<u>7.17</u>	<u>10.98</u>	<u>1.75</u>	<u>5.25</u>		
<u>IS-6</u>	<u>1</u>	<u>25.16</u>	<u>6.89</u>	<u>18.27</u>	<u>2.92</u>	<u>8.76</u>		
<u>MW-7</u>	<u>2</u>	<u>25.53</u>	<u>11.72</u>	<u>13.81</u>	<u>2.20</u>	<u>6.60</u>		
<u>MW-8</u>	<u>2</u>	<u>24.59</u>	<u>7.28</u>	<u>17.31</u>	<u>2.76</u>	<u>8.28</u>		
<u>MW-4</u>	<u>2</u>	<u>24.78</u>	<u>7.87</u>	<u>16.91</u>	<u>2.70</u>	<u>8.10</u>		
<u>EW-1</u>	<u>4</u>	<u>25.11</u>	<u>8.06</u>	<u>17.05</u>	<u>11.08</u>	<u>33.24</u>		
<u>EW-2</u>	<u>4</u>	<u>25.21</u>	<u>7.31</u>	<u>17.80</u>	<u>11.57</u>	<u>34.71</u>		
<u>MW-3</u>	<u>2</u>	<u>23.08</u>	<u>10.31</u>	<u>12.77</u>	<u>2.04</u>	<u>6.12</u>		
<u>MW-1</u>	<u>2</u>	<u>24.53</u>	<u>9.58</u>	<u>14.95</u>	<u>2.39</u>	<u>7.17</u>		
<u>MW-2</u>	<u>2</u>	<u>24.77</u>	<u>12.69</u>	<u>12.08</u>	<u>1.93</u>	<u>5.79</u>		

Explanation:
 DTB = Depth to Bottom
 DTW = Depth to Water
 ST = Saturated Thickness (DTB-DTW) must be > 1 foot
 CV = Casing Volume (ST x cf)
 PV = Purge Volume (standard 3 x CV, well development 10 x CV)
 SPL = Thickness of Separate Phase Liquid

Conversion Factors (cf)
 2-inch diameter well cf = 0.16 gal/ft
 4-inch diameter well cf = 0.65 gal/ft
 6-inch diameter well cf = 1.44 gal/ft

PURGE DATA SHEET

Sheet 1 of 6

Job No.: 280464 Location: 4301 San Leandro St. Oakland Date: 2-21-06

Tech: Eric Aust
Rodney Berry

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
MW-40	1330	5.00	187.4	830	64.48	5.94	7.08	0	0.11	Sample for: Foxys, ethanal, TDA
Calc. purge	1340	10.00	✓	822	64.41	✓	7.08	✓	✓	TPHg TPHd 8260
volume	1350	13.00	✓	819	64.40	✓	7.07	✓	✓	BTEX MTBE Metals
12.84			✓			✓				Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Brown, Moderate, Poor, No sheen or No odor

POST DEPTH TO WATER: 13.88 SAMPLE TIME: 1400

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
MW-50	14:05	5.00	222	810	65.95	4.23	7.21	0.00	0.09	Sample for: Foxys, ethanal, TDA
Calc. purge	14:15	10.00	✓	810	65.92	✓	7.20	✓	✓	TPHg TPHd 8260
volume	14:25	13.00	✓	809	65.90	✓	7.19	✓	✓	BTEX MTBE Metals
13.41			✓			✓				Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, low, Poor, No sheen or odor (no)

POST DEPTH TO WATER: 14.57 SAMPLE TIME: 1430

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
MW-5	1435	3.00	271.5	978	63.34	3.90	6.84	3.13	2.28	Sample for: Foxys, ethanal, TDA
Calc. purge	1444	6.00	✓	978	63.40	✓	6.83			TPHg TPHd 8260
volume	1453	9.00	✓	978	63.52	✓	6.83			BTEX MTBE Metals
9.85			✓			✓				Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, low, Poor, No sheen - Has odor

POST DEPTH TO WATER: 8.02 SAMPLE TIME: 1500

PURGE DATA SHEET

Sheet 2 of 6

Job No.: 2P0464 Location: 4301 San Leandro St, Oakland Date: 2-1-22

Tech: Eric Austin
Redwood Brewery

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
MW-6	9:04	2.00	206.2	1268	64.37	3.37	7.16	0.82	0.09	Sample for: Foxys, Ethanol, TBA
Calc. purge	9:10	4.00	↓	1268	64.38	↓	7.16			TPHg TPHd 8260
volume	9:15	7.00	↓	1268	64.41	↓				BTEX MTBE Metals
7.20			↓			↓				Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Tan clear, low, very poor No sheen, ~~has~~ odor

POST DEPTH TO WATER: 13.95 SAMPLE TIME: 9:25

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
IS-1	9:26	2.00	228.1	1090	63.68	3.06	6.92	3.30	3.30	Sample for: Foxys, Ethanol, TBA
Calc. purge	9:30	4.00	↓	1090	63.67	↓	6.92	↓	↓	TPHg TPHd 8260
volume	9:37	9.00	↓	1091	63.66	↓	6.92	↓	↓	BTEX MTBE Metals
8.64			↓			↓		↓	↓	Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Brown, moderate, poor recharge, Has sheen, Has odor

POST DEPTH TO WATER: 10.23 SAMPLE TIME: 9:45

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
IS-2	9:48	2.00	220.6	956	64.93	3.84	7.02	3.30	3.30	Sample for: Foxys, Ethanol, TBA
Calc. purge	9:51	4.00	↓	956	64.94	↓	7.01	↓	↓	TPHg TPHd 8260
volume	9:59	8.00	↓	956	64.93	↓	7.01	↓	↓	BTEX MTBE Metals
8.49			↓			↓		↓	↓	Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, Moderate, poor recharge, slight sheen Has Odor

POST DEPTH TO WATER: 10.31 SAMPLE TIME: 10:00

PURGE DATA SHEET

Sheet 3 of 6

Job No.: ZP046H Location: 4301 Sun Laurel Colton Date: 2/22/06 Tech: Eric V. August
Rodney Berr

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
IS-3	10:03	2.00	151.1	965	62.30	9.07	6.90	2.56	3.30	Sample for: <u>70449, Ethanol, TISA</u> TPHg TPHd 8260 BTEX MTBE Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	10:07	4.00	✓	968	62.37	✓	6.87	✓	Limit 1.1 mg/L	
volume	10:17	8.00	✓	970	62.39	✓	6.87	✓		
8.28										

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, Moderate, Poor recharge, Has sheen and odor

POST DEPTH TO WATER: 11.35 SAMPLE TIME: 10:30

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
IS-4	10:34	3.00	187.1	1052	64.20	3.73	6.95	2.81	3.30	Sample for: <u>70449, Ethanol, TISA</u> TPHg TPHd 8260 BTEX MTBE Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	10:40	6.00	✓	1052	64.14	✓	6.95	✓	Limit 1.1 mg/L	
volume	10:45	9.00	✓	1052	64.13	✓	6.95	✓		
8.64										

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, Moderate, Poor, Has sheen and odor

POST DEPTH TO WATER: 10.95 SAMPLE TIME: 10:50

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
IS-5	10:54	2.00	207.1	1031	63.50	0.64	6.77	5.15	3.30	Sample for: <u>70449, Ethanol, TISA</u> TPHg TPHd 8260 BTEX MTBE Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	10:59	4.00	✓	1032	63.58	✓	6.77	✓	Limit 1.1 mg/L	
volume	11:05	5.00	✓	1032	63.56	✓	6.77	✓		
5.25										

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, High, Very poor recharge a lot of sheen, and odor

POST DEPTH TO WATER: 9.23 SAMPLE TIME: 11.15

PURGE DATA SHEET

Sheet 4 of 6

Job No.: 2P0464 Location: 4301 San Leandro Oakland Date: 2/22/06

Tech: Eric Rodney

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
#5-6	11:17	3.00	198.7	1092	64.00	4.05	6.99	2.46	3.30	Sample for: Foxys, FPhg, FBA (TPHg) TPHd 8260 (BTEX) (MTBE) Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	11:20	6.00	✓	1092	64.11	✓	6.99	✓	✓	
volume	11:25	9.00	✓	1090	64.13	✓	6.93	✓	✓	
4.76			✓			✓		✓	✓	

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, Low turbidity, poor recharge, slight sheen and HAS Odor

POST DEPTH TO WATER: 9.95 SAMPLE TIME: 11:30

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
MW-7	11:34	2.00	207.0	1680	65.21	3.96	7.12	0.46	0.54	Sample for: Foxys, FPhg, FBA (TPHg) TPHd 8260 (BTEX) (MTBE) Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	11:43	4.00	✓	1680	65.14	✓	7.12	✓	✓	
volume	11:55	7.00	✓	1680	65.09	✓	7.12	✓	✓	
6.60			✓			✓		✓	✓	

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, Low, Poor recharge, slight sheen, and odor

POST DEPTH TO WATER: 14.92 SAMPLE TIME: 12:00

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
MW-8	12:04	2.06	214.5	1265	63.40	3.40	6.85	3.12	3.30	Sample for: Foxys, FPhg, FBA (TPHg) TPHd 8260 (BTEX) (MTBE) Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	12:13	4.00	✓	1265	63.42	✓	6.85	✓	✓	
volume	12:21	8.00	✓	1266	63.44	✓	6.85	✓	✓	
8.28			✓			✓		✓	✓	

COMMENTS: color, turbidity, recharge, sheen, odor

Tan, Moderate, poor recharge, HAS sheen and odor

POST DEPTH TO WATER: 10.30 SAMPLE TIME: 12:25

PURGE DATA SHEET

Sheet 5 of 6

Job No.: 2P046H Location: 4301 San Leandro Oakland Date: 2/22/06

Tech: Eric Rodney

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
MW-4	12:30	2.00	228.8	1051	62.09	3.13	6.83	3.30	3.30	Sample for: <u>70yrs, Ethanol TBA</u> TPHg TPHd 8260 BTEX MTBE Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	12:34	4.00	✓	1051	62.08	✓	6.82	Limit	Meter	
volume	12:41	8.00	✓	1051	62.05	✓	6.82	Limit	Meter	
8.10										

COMMENTS: color, turbidity, recharge, sheen, odor

Low, High, Poor recharge, Has sheen and Odor

POST DEPTH TO WATER: 10.89 SAMPLE TIME: 12:45

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
EW-1	12:48	10.00	213.6	1179	62.73	3.55	6.89	2.29	3.17	Sample for: <u>70yrs, Ethanol TBA</u> TPHg TPHd 8260 BTEX MTBE Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	12:53	20.00	✓	1179	62.75	✓	6.88	✓	✓	
volume	13:00	33.00	✓	1178	62.69	✓	6.88	✓	✓	
33.24										

COMMENTS: color, turbidity, recharge, sheen, odor

Gray, Moderate, Poor recharge, Has sheen and Odor

POST DEPTH TO WATER: Dry out SAMPLE TIME: 13:05

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
EW-2	13:12	10.00	221.9	889	61.92	3.74	6.75	3.30	3.30	Sample for: <u>70yrs, Ethanol TBA</u> TPHg TPHd 8260 BTEX MTBE Metals Purging Method: PVC Bailer/Pump/Disp. Bailer
Calc. purge	13:16	20.00	✓	889	61.91	✓	6.75	Limit	Meter	
volume	13:22	35.00	✓	887	61.91	✓	6.74	Limit	Meter	
34.71										

COMMENTS: color, turbidity, recharge, sheen, odor

Gray, Low, Poor, Has sheen and Odor

POST DEPTH TO WATER: Dried out SAMPLE TIME: 13:25

PURGE DATA SHEET

Sheet 6 of 6

Job No.: 2P0464 Location: 4301 Sun Louder Oakland Date: 2-22-06

Tech: Eric Rodney

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
Mw-3	13:32	2.00	209.6	870	66.20	3.55	6.89	0.95	1.08	Sample for: Foxys, Ethanol, TBA
Calc. purge	13:40	4.00	↓	870	66.15	↓	6.89	↓	↓	TPHg TPHd 8260
volume	13:51	6.00	↓	870	66.15	↓	6.89	↓	↓	BTEX MTBE Metals
6.12			↓			↓		↓	↓	Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Gray, low, poor recharge, No sheen, Has ODOOR

POST DEPTH TO WATER: 12.40 SAMPLE TIME: 14:00

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
Mw-1	14:10	2.00	203.2	1011	63.59	3.44	6.94	2.65	3.30	Sample for: Foxys, Ethanol, TBA
Calc. purge	14:21	4.00	↓	1010	64.01	↓	6.96	↓	↑	TPHg TPHd 8260
volume	14:34	7.00	↓	1010	64.32	↓	6.96	↓	↓	BTEX MTBE Metals
7.17			↓			↓		↓	↓	Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Gray, low, poor, Has sheen & odor

POST DEPTH TO WATER: 11.51 SAMPLE TIME: 14:45

WELL #	TIME	VOL. (gal.)	ORP	CND	TMP	DO	pH	Fe ²⁺	Fe _T	
Mw-2	14:51	2.00	205.9	1038	62.44	3.29	6.74	3.01	3.30	Sample for: Foxys, Ethanol, TBA
Calc. purge	15:00	4.00	↓	1038	62.48	↓	6.74	↓	↑	TPHg TPHd 8260
volume	15:14	6.00	↓	1037	62.47	↓	6.73	↓	↓	BTEX MTBE Metals
5.79			↓			↓		↓	↓	Purging Method:
										PVC Bailer/Pump/Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor

Gray, low, poor, Has sheen & Odor

POST DEPTH TO WATER: 14.58 SAMPLE TIME: 15:30

ATTACHMENT 2

GROUNDWATER MONITORING AND
SAMPLING FIELD PROCEDURES

CLEARWATER GROUP

Groundwater Monitoring and Sampling Field Procedures

Groundwater Monitoring

Prior to beginning, a decontamination area is established. Decontamination procedures consist of scrubbing downhole equipment in an Alconox® solution wash (wash solution is pumped through any purging pumps used), and rinsing in a first rinse of potable water and a second rinse of potable water or deionized water if the latter is required. Any non-dedicated downhole equipment is decontaminated prior to use.

Prior to gauging, purging, and sampling a well, caps for all on-site wells should be opened to allow atmospheric pressure to equalize if local groundwater is under confined or semi-confined conditions. The static water level is measured to the nearest 0.01 feet with an electronic water sounder. Depth to bottom is typically measured once per year, at the request of the project manager, and during Clearwater's first visit to a site. If historical analytical data are not available, with which to establish a reliable order of increasing well contamination, the water sounder and tape will be decontaminated between each well. Floating separate-phase hydrocarbons (SPH) where suspected or observed, will be collected using a clear, open-ended product bailer, and the thickness is measured to the nearest 0.01 feet in the bailer. SPH may alternatively be measured with an electronic interface probe. Any monitoring well containing a measurable thickness of SPH before or during purging is not additionally purged and no sample is collected from that well. Wells containing hydrocarbon sheen are sampled, unless otherwise specified by the project manager. Field observations of well integrity, water level and floating product thicknesses are noted on the Gauging Data/Purge Calculations form.

Well Purging

Each monitoring well to be sampled is purged using either a PVC bailer or a submersible pump. Physical parameters (pH, temperature and conductivity) of the purge water are monitored during purging activities to assess if the water sample collected is representative of the aquifer. If required, parameters such as dissolved oxygen, turbidity, salinity etc. are also measured. Samples are considered representative if parameter stability is achieved. Stability is defined as a change of less than 0.25 pH units, less than 10% change in conductivity in micro mhos, and less than 1.0 degree centigrade (1.8 degrees Fahrenheit) change in temperature. Parameters are measured in a discreet sample decanted from the bailer separately from the rest of the purge water. Parameters are measured at least four times during purging: initially, and at purging volume intervals of one casing volume. Purging continues until three well casing volumes have been removed or until the well completely dewater. Wells that dewater or demonstrate a slow recharge rate may be sampled after fewer than three well volumes have been removed. Well purging information is recorded on the Purge Data sheet. All meters used to measure parameters are calibrated daily. Investigation derived wastes (purge and rinsewater) is handled in one of three ways: 1) Purge and rinsewater is sealed, labeled, and stored on site in D.O.T.-approved 55-gallon drums. After being chemically profiled, the water is removed to an appropriate disposal facility. 2) Purge and rinsewater is collected into a 250-gallon portable holding tank and transported to the Clearwater equipment yard in Point Richmond, CA. At the yard the investigation derived waste is then transferred to 55-gallon drums pending disposal at an appropriate disposal facility, or 3) Purge and rinsewater is collected in a 250-gallon portable holding tank and transported to the appropriate disposal facility. The applicable method will be indicated in the field log sheets and the corresponding technical report.

Groundwater Sample Collection

Groundwater samples are collected immediately after purging, with the following exception: If the purging rate exceeds well recharge rate, samples are collected when the well has recharged to at least 80% of its static water level. If recharge is extremely slow, the well is allowed to recharge for at least two hours, if practicable, or until sufficient volume for sampling has accumulated. The well is sampled within 24 hours of purging or is re-purged. Samples are collected using polyethylene bailers, either disposable or dedicated to the well. Samples being analyzed for compounds most sensitive to volatilization are collected first. Water samples are placed in appropriate laboratory-supplied containers, labeled, documented on a chain of custody form and placed on ice in a chilled cooler for transport to a state-certified analytical laboratory. Analytical detection limits match or surpass standards required by relevant local or regional guidelines.

Quality Assurance Procedures

To prevent contamination of the samples, Clearwater personnel adhere to the following procedures in the field:

- A new, clean pair of latex gloves is put on prior to sampling each well.
- Wells are gauged, purged and groundwater samples are collected in the expected order of increasing degree of contamination based on historical analytical results.
- All purging equipment is thoroughly decontaminated between each well, using the procedures previously described at the beginning of this section.
- During sample collection for volatile organic analysis, the amount of air passing through the sample is minimized. This helps prevent the air from stripping the volatiles from the water. Sample bottles are filled by slowly running the sample down the side of the bottle until there is a convex meniscus over the mouth of the bottle. The lid is carefully screwed onto the bottle such that no air bubbles are present within the bottle. If a bubble is present, the cap is removed and additional water is added to the sample container. After resealing the sample container, if bubbles still are present inside, the sample container is discarded and the procedure is repeated with a new container.

Laboratory and field handling procedures may be monitored, if required by the client or regulators, by including quality control (QC) samples for analysis with the groundwater samples. Examples of different types of QC samples are as follows:

- Trip blanks are prepared at the analytical laboratory by laboratory personnel to check field handling procedures. Trip blanks are transported to the project site in the same manner as the laboratory-supplied sample containers to be filled. They are not opened, and are returned to the laboratory with the samples collected. Trip blanks are analyzed for purgeable organic compounds.
- Equipment blanks are prepared in the field to determine if decontamination of field sampling equipment has been effective. The sampling equipment used to collect the groundwater samples is rinsed with distilled water which is then decanted into laboratory-supplied containers. The equipment blanks are transported to the laboratory, and are analyzed for the same chemical constituents as the samples collected at the site.
- Duplicates are collected at the same time standard groundwater samples are collected; They are analyzed for the same compounds in order to verify the reproducibility of laboratory data. They are usually collected from only one well per sampling event. The duplicate is assigned an identification number that will not associate it with the source well.

Generally, trip blanks and field blanks verify field handling and transportation procedures. Duplicates verify laboratory procedures. The configuration of QC samples is determined by Clearwater depending on site conditions and regulatory requirements.

ATTACHMENT 3

LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY FORM



Report Number : 48556

Date : 03/03/2006

Jim Ho
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 18 Water Samples
Project Name : NAZ EAGLE GAS STATION
Project Number : ZP046E

Dear Mr. Ho,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 48556

Date : 03/03/2006

Subject : 18 Water Samples
Project Name : NAZ EAGLE GAS STATION
Project Number : ZP046E

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-5, ISOC-2, ISOC-3, EW-2, MW-3, MW-2 and MW-4.

The Method Reporting Limit for Methanol has been increased due to the presence of an interfering compound for samples ISOC-2, ISOC-3, ISOC-6, MW-8 and EW-2.

Matrix Spike/Matrix Spike Duplicate Results associated with samples MW-3, MW-2, MW-4 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: _____

Joe Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **MW-1**

Matrix : Water

Lab Number : 48556-16

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 50	50	ug/L	EPA 8260B	02/28/2006
Toluene	< 50	50	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	< 50	50	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 50	50	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	5800	50	ug/L	EPA 8260B	02/28/2006
Diisopropyl ether (DIPE)	< 50	50	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 50	50	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	< 50	50	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	120000	250	ug/L	EPA 8260B	02/28/2006
Methanol	< 5000	5000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 500	500	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 50	50	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 50	50	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 5000	5000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	94.8		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	2600	50	ug/L	M EPA 8015	03/01/2006
Octacosane (Diesel Surrogate)	84.2		% Recovery	M EPA 8015	03/01/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **MW-2**

Matrix : Water

Lab Number : 48556-17

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	800	700	ug/L	EPA 8260B	02/28/2006
Toluene	< 700	700	ug/L	EPA 8260B	03/01/2006
Ethylbenzene	< 700	700	ug/L	EPA 8260B	03/01/2006
Total Xylenes	< 700	700	ug/L	EPA 8260B	03/01/2006
Methyl-t-butyl ether (MTBE)	400000	700	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 700	700	ug/L	EPA 8260B	03/01/2006
Ethyl-t-butyl ether (ETBE)	< 700	700	ug/L	EPA 8260B	03/01/2006
Tert-amyl methyl ether (TAME)	1700	700	ug/L	EPA 8260B	03/01/2006
Tert-Butanol	130000	4000	ug/L	EPA 8260B	02/28/2006
Methanol	< 70000	70000	ug/L	EPA 8260B	03/01/2006
Ethanol	< 7000	7000	ug/L	EPA 8260B	03/01/2006
1,2-Dichloroethane	< 700	700	ug/L	EPA 8260B	03/01/2006
1,2-Dibromoethane	< 700	700	ug/L	EPA 8260B	03/01/2006
TPH as Gasoline	< 70000	70000	ug/L	EPA 8260B	03/01/2006
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	03/01/2006
4-Bromofluorobenzene (Surr)	94.6		% Recovery	EPA 8260B	03/01/2006
TPH as Diesel	< 1500	1500	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **MW-3**

Matrix : Water

Lab Number : 48556-15

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	88	50	ug/L	EPA 8260B	02/28/2006
Toluene	< 50	50	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	< 50	50	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 50	50	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	57000	90	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 50	50	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 50	50	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	420	50	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	65000	250	ug/L	EPA 8260B	02/28/2006
Methanol	< 9000	9000	ug/L	EPA 8260B	03/01/2006
Ethanol	< 500	500	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 50	50	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 50	50	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 5000	5000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	< 600	600	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

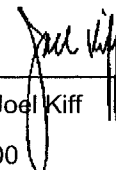
Sample : **MW-4**

Matrix : Water

Lab Number : 48556-18

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	3200	1500	ug/L	EPA 8260B	03/01/2006
Toluene	2000	1500	ug/L	EPA 8260B	03/01/2006
Ethylbenzene	1600	1500	ug/L	EPA 8260B	03/01/2006
Total Xylenes	3800	1500	ug/L	EPA 8260B	03/01/2006
Methyl-t-butyl ether (MTBE)	770000	1500	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 1500	1500	ug/L	EPA 8260B	03/01/2006
Ethyl-t-butyl ether (ETBE)	< 1500	1500	ug/L	EPA 8260B	03/01/2006
Tert-amyl methyl ether (TAME)	3300	1500	ug/L	EPA 8260B	03/01/2006
Tert-Butanol	59000	7000	ug/L	EPA 8260B	03/01/2006
Methanol	< 150000	150000	ug/L	EPA 8260B	03/01/2006
Ethanol	< 15000	15000	ug/L	EPA 8260B	03/01/2006
1,2-Dichloroethane	< 1500	1500	ug/L	EPA 8260B	03/01/2006
1,2-Dibromoethane	< 1500	1500	ug/L	EPA 8260B	03/01/2006
TPH as Gasoline	< 150000	150000	ug/L	EPA 8260B	03/01/2006
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	03/01/2006
4-Bromofluorobenzene (Surr)	95.1		% Recovery	EPA 8260B	03/01/2006
TPH as Diesel	< 8000	8000	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	95.6		% Recovery	M EPA 8015	02/28/2006

Approved By:  Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **MW-4D**

Matrix : Water

Lab Number : 48556-01

Sample Date :02/21/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
Toluene	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	440	0.90	ug/L	EPA 8260B	02/28/2006
Diisopropyl ether (DIPE)	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	1.8	0.90	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/28/2006
Methanol	< 90	90	ug/L	EPA 8260B	02/28/2006
Ethanol	< 9.0	9.0	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 0.90	0.90	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 90	90	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	< 50	50	ug/L	M EPA 8015	02/27/2006
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	02/27/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**


Sample : **MW-5**

Matrix : Water

Lab Number : 48556-03

Sample Date :02/21/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	460	100	ug/L	EPA 8260B	02/28/2006
Toluene	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	170	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 100	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	480000	900	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	3000	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	95000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 90000	90000	ug/L	EPA 8260B	03/01/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 10000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	< 3000	3000	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	95.8		% Recovery	M EPA 8015	02/28/2006

Approved By:  Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **MW-5D**

Matrix : Water

Lab Number : 48556-02

Sample Date :02/21/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Methyl-t-butyl ether (MTBE)	8.1	0.50	ug/L	EPA 8260B	02/27/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-Butanol	5.5	5.0	ug/L	EPA 8260B	02/27/2006
Methanol	< 50	50	ug/L	EPA 8260B	02/27/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/27/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/27/2006
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	02/27/2006
TPH as Diesel	< 50	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	94.4		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **MW-6**

Matrix : Water

Lab Number : 48556-04

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	620	100	ug/L	EPA 8260B	02/28/2006
Toluene	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	< 100	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 100	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	50000	100	ug/L	EPA 8260B	02/28/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	210	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	24000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 10000	10000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 10000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	2900	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**


Sample : **MW-7**

Matrix : Water

Lab Number : 48556-11

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 100	100	ug/L	EPA 8260B	02/28/2006
Toluene	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	< 100	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 100	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	88000	150	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	430	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	90000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 10000	10000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 10000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	400	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	02/28/2006

Approved By:  Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **MW-8**

Matrix : Water

Lab Number : 48556-12

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1200	100	ug/L	EPA 8260B	02/28/2006
Toluene	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	270	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	220	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	400000	900	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	2100	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	63000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 300000	300000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 10000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	6800	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	88.8		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**


Sample : **ISOC-1**

Matrix : Water

Lab Number : 48556-05

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	160	50	ug/L	EPA 8260B	02/28/2006
Toluene	< 50	50	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	< 50	50	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 50	50	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	21000	50	ug/L	EPA 8260B	02/28/2006
Diisopropyl ether (DIPE)	< 50	50	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 50	50	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	64	50	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	130000	250	ug/L	EPA 8260B	02/28/2006
Methanol	< 5000	5000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 500	500	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 50	50	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 50	50	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 5000	5000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	4400	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	91.2		% Recovery	M EPA 8015	02/28/2006

Approved By:  Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **ISOC-2**

Matrix : Water

Lab Number : 48556-06

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1200	9.0	ug/L	EPA 8260B	02/28/2006
Toluene	< 9.0	9.0	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	240	9.0	ug/L	EPA 8260B	02/28/2006
Total Xylenes	17	9.0	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	190000	250	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 9.0	9.0	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	9.4	9.0	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	1700	9.0	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	29000	50	ug/L	EPA 8260B	02/28/2006
Methanol	< 150000	150000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 90	90	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 9.0	9.0	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 9.0	9.0	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	8600	900	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	< 4000	4000	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	92.8		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **ISOC-3**

Matrix : Water

Lab Number : 48556-07

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	2700	100	ug/L	EPA 8260B	02/28/2006
Toluene	820	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	1100	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	2900	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	750000	2500	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	3400	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	40000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 80000	80000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	29000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	< 4000	4000	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

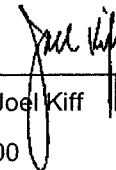
Sample : **ISOC-4**

Matrix : Water

Lab Number : 48556-08

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	790	100	ug/L	EPA 8260B	02/28/2006
Toluene	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	120	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 100	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	280000	400	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	2400	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	51000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 10000	10000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	11000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	3100	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	99.8		% Recovery	M EPA 8015	02/28/2006

Approved By:  Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**


Sample : **ISOC-5**

Matrix : Water

Lab Number : 48556-09

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	4100	250	ug/L	EPA 8260B	02/28/2006
Toluene	< 250	250	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	3100	250	ug/L	EPA 8260B	02/28/2006
Total Xylenes	7700	250	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	420000	700	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 250	250	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 250	250	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	4600	250	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	40000	1500	ug/L	EPA 8260B	02/28/2006
Methanol	< 25000	25000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 2500	2500	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 250	250	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 250	250	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	66000	25000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	35000	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	99.2		% Recovery	M EPA 8015	02/28/2006

Approved By:  Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **ISOC-6**

Matrix : Water

Lab Number : 48556-10

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1000	100	ug/L	EPA 8260B	02/28/2006
Toluene	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	560	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	180	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	130000	250	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	1400	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	210000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 15000	15000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	11000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	3000	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	79.8		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **EW-1**

Matrix : Water

Lab Number : 48556-13

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	3100	1500	ug/L	EPA 8260B	03/01/2006
Toluene	< 1500	1500	ug/L	EPA 8260B	03/01/2006
Ethylbenzene	< 1500	1500	ug/L	EPA 8260B	03/01/2006
Total Xylenes	< 1500	1500	ug/L	EPA 8260B	03/01/2006
Methyl-t-butyl ether (MTBE)	700000	1500	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 1500	1500	ug/L	EPA 8260B	03/01/2006
Ethyl-t-butyl ether (ETBE)	< 1500	1500	ug/L	EPA 8260B	03/01/2006
Tert-amyl methyl ether (TAME)	5100	1500	ug/L	EPA 8260B	03/01/2006
Tert-Butanol	59000	7000	ug/L	EPA 8260B	03/01/2006
Methanol	< 150000	150000	ug/L	EPA 8260B	03/01/2006
Ethanol	< 15000	15000	ug/L	EPA 8260B	03/01/2006
1,2-Dichloroethane	< 1500	1500	ug/L	EPA 8260B	03/01/2006
1,2-Dibromoethane	< 1500	1500	ug/L	EPA 8260B	03/01/2006
TPH as Gasoline	< 150000	150000	ug/L	EPA 8260B	03/01/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	03/01/2006
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	03/01/2006
TPH as Diesel	3200	50	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	95.4		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff



Report Number : 48556

Date : 03/03/2006

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Sample : **EW-2**

Matrix : Water

Lab Number : 48556-14

Sample Date :02/22/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1800	100	ug/L	EPA 8260B	02/28/2006
Toluene	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	700	100	ug/L	EPA 8260B	02/28/2006
Total Xylenes	670	100	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	120000	250	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 100	100	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	1200	100	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	36000	500	ug/L	EPA 8260B	02/28/2006
Methanol	< 80000	80000	ug/L	EPA 8260B	02/28/2006
Ethanol	< 1000	1000	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 100	100	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 100	100	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	10000	10000	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	02/28/2006
TPH as Diesel	< 3000	3000	ug/L	M EPA 8015	02/28/2006
Octacosane (Diesel Surrogate)	90.6		% Recovery	M EPA 8015	02/28/2006

Approved By:

Joel Kiff

QC Report : Method Blank Data

Project Name : NAZ EAGLE GAS STATION

Project Number : ZP046E

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	02/27/2006
Octacosane (Diesel Surrogate)	83.2		%	M EPA 8015	02/27/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	03/01/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/01/2006
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	03/01/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/27/2006
Methanol	< 50	50	ug/L	EPA 8260B	02/27/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/27/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2006
Toluene - d8 (Surr)	102		%	EPA 8260B	02/27/2006
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	02/27/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/27/2006
Methanol	< 50	50	ug/L	EPA 8260B	02/27/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/27/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2006
Toluene - d8 (Surr)	101		%	EPA 8260B	02/27/2006
4-Bromofluorobenzene (Surr)	98.2		%	EPA 8260B	02/27/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/28/2006
Methanol	< 50	50	ug/L	EPA 8260B	02/28/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/28/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/28/2006
Toluene - d8 (Surr)	103		%	EPA 8260B	02/28/2006
4-Bromofluorobenzene (Surr)	98.2		%	EPA 8260B	02/28/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48556

Date : 03/03/2006

QC Report : Method Blank Data

Project Name : **NAZ EAGLE GAS STATION**

Project Number : **ZP046E**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/27/2006
Methanol	< 50	50	ug/L	EPA 8260B	02/27/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/27/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/27/2006
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/27/2006
Toluene - d8 (Surr)	97.7		%	EPA 8260B	02/27/2006
4-Bromofluorobenzene (Surr)	87.9		%	EPA 8260B	02/27/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/28/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	03/01/2006
Methanol	< 50	50	ug/L	EPA 8260B	03/01/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	03/01/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	03/01/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	03/01/2006
Toluene - d8 (Surr)	95.4		%	EPA 8260B	03/01/2006
4-Bromofluorobenzene (Surr)	92.0		%	EPA 8260B	03/01/2006

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC


2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046E**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	1110	1180	ug/L	M EPA 8015	2/27/06	111	118	6.24	70-130	25
Benzene	48633-06	<0.50	40.0	40.0	42.0	42.0	ug/L	EPA 8260B	3/1/06	105	105	0.0687	70-130	25
Toluene	48633-06	<0.50	40.0	40.0	38.9	39.1	ug/L	EPA 8260B	3/1/06	97.3	97.8	0.429	70-130	25
Tert-Butanol	48633-06	<5.0	200	200	194	194	ug/L	EPA 8260B	3/1/06	97.2	96.9	0.295	70-130	25
Methyl-t-Butyl Ether	48633-06	<0.50	40.0	40.0	41.3	41.2	ug/L	EPA 8260B	3/1/06	103	103	0.205	70-130	25
Benzene	48588-01	<0.50	40.0	40.0	40.7	36.9	ug/L	EPA 8260B	2/27/06	102	92.2	9.78	70-130	25
Toluene	48588-01	<0.50	40.0	40.0	40.1	36.5	ug/L	EPA 8260B	2/27/06	100	91.3	9.39	70-130	25
Tert-Butanol	48588-01	70	200	200	278	259	ug/L	EPA 8260B	2/27/06	104	94.8	9.49	70-130	25
Methyl-t-Butyl Ether	48588-01	6.2	40.0	40.0	47.4	43.2	ug/L	EPA 8260B	2/27/06	103	92.4	10.8	70-130	25
Benzene	48597-01	78	40.0	40.0	112	111	ug/L	EPA 8260B	2/27/06	84.9	83.1	2.11	70-130	25
Toluene	48597-01	4.6	40.0	40.0	44.7	44.4	ug/L	EPA 8260B	2/27/06	100	99.5	0.696	70-130	25
Tert-Butanol	48597-01	16	200	200	210	210	ug/L	EPA 8260B	2/27/06	96.9	96.8	0.142	70-130	25
Methyl-t-Butyl Ether	48597-01	550	40.0	40.0	575	573	ug/L	EPA 8260B	2/27/06	55.7	49.4	12.1	70-130	25
Benzene	48618-01	<0.50	40.0	40.0	31.8	37.7	ug/L	EPA 8260B	2/28/06	79.6	94.2	16.7	70-130	25
Toluene	48618-01	<0.50	40.0	40.0	32.2	38.0	ug/L	EPA 8260B	2/28/06	80.6	95.0	16.4	70-130	25
Tert-Butanol	48618-01	<5.0	200	200	150	188	ug/L	EPA 8260B	2/28/06	74.9	94.3	22.9	70-130	25
Methyl-t-Butyl Ether	48618-01	8.7	40.0	40.0	39.9	48.5	ug/L	EPA 8260B	2/28/06	78.1	99.6	24.2	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48556

Date : 03/03/2006

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046E**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48642-01	<0.50	40.0	40.0	43.3	41.3	ug/L	EPA 8260B	3/1/06	108	103	4.75	70-130	25
Toluene	48642-01	<0.50	40.0	40.0	44.2	42.0	ug/L	EPA 8260B	3/1/06	110	105	5.07	70-130	25
Tert-Butanol	48642-01	<5.0	200	200	202	207	ug/L	EPA 8260B	3/1/06	101	104	2.30	70-130	25
Methyl-t-Butyl Ether	48642-01	47	40.0	40.0	82.8	81.4	ug/L	EPA 8260B	3/1/06	90.4	86.9	3.90	70-130	25
Benzene	48597-07	<0.50	40.0	40.0	35.2	34.2	ug/L	EPA 8260B	2/27/06	88.0	85.5	2.86	70-130	25
Toluene	48597-07	<0.50	40.0	40.0	33.8	32.8	ug/L	EPA 8260B	2/27/06	84.6	82.1	3.02	70-130	25
Tert-Butanol	48597-07	<5.0	200	200	179	181	ug/L	EPA 8260B	2/27/06	89.6	90.7	1.15	70-130	25
Methyl-t-Butyl Ether	48597-07	17	40.0	40.0	52.0	52.7	ug/L	EPA 8260B	2/27/06	87.5	89.4	2.14	70-130	25
Benzene	48628-05	100	40.0	40.0	181	176	ug/L	EPA 8260B	2/28/06	189	179	5.75	70-130	25
Toluene	48628-05	66	40.0	40.0	122	120	ug/L	EPA 8260B	2/28/06	140	133	5.10	70-130	25
Tert-Butanol	48628-05	<5.0	200	200	187	184	ug/L	EPA 8260B	2/28/06	93.5	92.1	1.50	70-130	25
Methyl-t-Butyl Ether	48628-05	<0.50	40.0	40.0	38.4	39.2	ug/L	EPA 8260B	2/28/06	96.0	98.0	2.02	70-130	25
Benzene	48633-05	<0.50	40.0	40.0	38.2	36.7	ug/L	EPA 8260B	3/1/06	95.4	91.8	3.86	70-130	25
Toluene	48633-05	<0.50	40.0	40.0	37.8	36.9	ug/L	EPA 8260B	3/1/06	94.5	92.3	2.33	70-130	25
Tert-Butanol	48633-05	<5.0	200	200	187	185	ug/L	EPA 8260B	3/1/06	93.5	92.6	1.01	70-130	25
Methyl-t-Butyl Ether	48633-05	220	40.0	40.0	245	239	ug/L	EPA 8260B	3/1/06	62.1	45.8	30.1	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48556

Date : 03/03/2006

QC Report : Laboratory Control Sample (LCS)

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046E**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/1/06	103	70-130
Toluene	40.0	ug/L	EPA 8260B	3/1/06	98.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/1/06	98.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/1/06	109	70-130
Benzene	40.0	ug/L	EPA 8260B	2/27/06	95.4	70-130
Toluene	40.0	ug/L	EPA 8260B	2/27/06	98.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/27/06	108	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/27/06	101	70-130
Benzene	40.0	ug/L	EPA 8260B	2/27/06	104	70-130
Toluene	40.0	ug/L	EPA 8260B	2/27/06	106	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/27/06	97.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/27/06	96.1	70-130
Benzene	40.0	ug/L	EPA 8260B	2/28/06	104	70-130
Toluene	40.0	ug/L	EPA 8260B	2/28/06	107	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/28/06	108	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/28/06	88.0	70-130
Benzene	40.0	ug/L	EPA 8260B	3/1/06	111	70-130

KIFF ANALYTICAL, LLC

Approved By:


Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Project Name : **NAZ EAGLE GAS**Project Number : **ZP046E**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	3/1/06	112	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/1/06	99.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/1/06	92.0	70-130
Benzene	40.0	ug/L	EPA 8260B	2/27/06	91.6	70-130
Toluene	40.0	ug/L	EPA 8260B	2/27/06	93.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/27/06	90.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/27/06	94.6	70-130
Benzene	40.0	ug/L	EPA 8260B	2/28/06	94.5	70-130
Toluene	40.0	ug/L	EPA 8260B	2/28/06	91.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	2/28/06	90.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	2/28/06	95.2	70-130
Benzene	40.0	ug/L	EPA 8260B	3/1/06	94.0	70-130
Toluene	40.0	ug/L	EPA 8260B	3/1/06	93.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/1/06	90.7	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/1/06	95.0	70-130

KIFF ANALYTICAL, LLC

Approved By:



 Joel Kiff



2795 2nd Street, Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4802

SRG # / Lab No. 48556

Page 1 of 2

Project Contact (Hardcopy or PDF To): Jim Ho
 California EDF Report? Yes No
 Company / Address: CLEARWATER GROUP Sampling Company Log Code: CLWGO
229 FUNKSBURY AVE. #4 RICHMOND
 Phone #: (570) 307-9943 Fax #: (570) 232-2823 Global ID: T0605300219
 Project #: 770464 P.O. #:
 EDF Deliverable To (Email Address): JMORNING@CLEARWATERGROUP.COM
 Project Name: 1102 Eagle Gas Station Sampler Signature: KORSEY BERRY

Chain-of-Custody Record and Analysis Request

Sample Designation	Date	Time	Sampling				Container			Preservative			Matrix		
			40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air		
MW-4D	2/21/06	1400							X				X		
5D		1430													
5		1500													
6	2/22/06	925													
15-1		945													
15-2		1000													
15-3		1030													
15-4		1050													
15-5		1115													
15-6		1130													

Analysis Request												TAT	For Lab Use Only					
MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)		W.E.T. Lead (STLC)	<input type="checkbox"/> 12 hr	<input type="checkbox"/> 24 hr	<input type="checkbox"/> 48 hr	<input type="checkbox"/> 72 hr
														<input checked="" type="checkbox"/> 12 hr				

TBB AND STAND

Relinquished by: KORSEY BERRY Date: 2/22/06 Time: 1630 Received by: _____
 Relinquished by: _____ Date: _____ Time: _____ Received by: _____
 Relinquished by: _____ Date: 022306 Time: 1442 Received by Laboratory: RozmLee KIFF Analytical

Remarks:
 Sample Receipt
 Temp °C 2.0 Therm. ID# 1R-1
 Initial RLM Date 022306
 Bill to: Time 1825 Coolant present: N
 For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

