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 StID# 2118
Fuel Leak Case No. RO0000096
USTCF Claim No. 014551
Clearwater Group Project # ZP046M

Dear Mr. Wickham,

As the legally authorized representative of the above-referenced project location, I have reviewed the *Quarterly Groundwater Monitoring Report – Second Quarter 2008* prepared by my consultant of record, Clearwater Group. 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

Date: 08-01-08

CLEARWATER
GROUP
Environmental Services

July 28, 2008

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

Re: ***Quarterly Groundwater Monitoring Report – Second Quarter 2008***
Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601
LOP Site ID# 2118
USTCF Claim No. 014551
ACEH Case No. RO# 0000096
Clearwater Project No. ZP046M

Dear Mr. Wickham:

Clearwater Group (Clearwater) has prepared this *Quarterly Groundwater Monitoring Report – Second Quarter 2008*, for the Eagle Gas Station site. This report presents the groundwater monitoring activities and associated results for the groundwater monitoring performed on June 25, 26, and 27, 2008.

SITE DESCRIPTION

The site is located in the southern portion of the City of Oakland, Alameda County, California, at the southern corner of the intersection of San Leandro Street and High Street. The site is located approximately 1,100 feet northeast of Interstate Highway 880 (**Figure 1**). The site is bounded by commercial property to the southeast and southwest, by High Street to the northwest, and by San Leandro Street to the northeast (**Figure 2**). The site is operated as a gas station and convenience store. A site-specific investigation history is provided as **Attachment A**.

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SECOND QUARTER 2008 GROUNDWATER MONITORING EVENT

The Second Quarter 2008 groundwater monitoring event was performed on June 25, 26, and 27, 2008. The monitoring event included measuring the depths to groundwater, well purging and sampling, and laboratory analysis of groundwater samples. Well construction details for all groundwater monitoring wells are included as **Table 1**.

Groundwater Gauging, Purging, and Sampling

On June 25, 2008, the depth to static groundwater in all 20 wells was measured (**Table 2**). An electronic water-level indicator accurate to within 1/100 foot was used to measure the depth to groundwater from the top of each well casing. All the wells were visually checked for the presence of light non-aqueous phase liquid (LNAPL) during well purging.

Prior to groundwater sampling, all the wells were purged of approximately three well volumes using a disposable polyethylene bailer until the temperature, conductivity, and pH measurements of the purge water stabilized, in accordance with Clearwater's *Groundwater Monitoring and Sampling Field Procedures* (**Attachment B**). Depth-to-water and well purging data were recorded on Well Gauging/Purging Calculations and Purge Data Sheets (**Attachment C**). Following recovery of the water levels to at least 80% of their static levels, groundwater samples were collected from the wells. A new disposable polyethylene bailer was used for each well. The samples were labeled, documented on a chain-of-custody form, and placed on ice in a chilled cooler for transport to the laboratory. The purge water and rinseate were pumped into an internal tank in the sampling van and removed from the site for disposal at InStrat, Rio Vista, California, a licensed treatment, storage, and disposal facility.

Laboratory Analysis

Groundwater samples were analyzed by Kiff Analytical LLC (Kiff), of Davis, California. Kiff is a California Department of Health Services-certified laboratory. The samples were analyzed by Environmental Protection Agency (EPA) Method 8260B for total petroleum hydrocarbons as gasoline (TPH-g); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and five oxygenates including methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tert-butanol (TBA). The samples were also analyzed for total petroleum hydrocarbon as diesel (TPH-d) by EPA Method 8015.

The laboratory analytical reports (# 63485 & 63526), including the chain-of-custody forms, are included in **Attachment D**.

On July 10, 2008, Clearwater staff uploaded the electronic laboratory report (EDF) to Geotracker, the State of California website that provides online public access to environmental data. The depth-to-water data spreadsheet GEO_WELL was uploaded to Geotracker on the same day. Confirmations of the electronic submittals of these groundwater and laboratory data to the website are included **(Attachment E)**. Upon the completion and certification of this report, it

will be scanned into PDF format and uploaded to the Geotracker website per the January 1, 2005, GEO_REPORT requirement.

GROUNDWATER MONITORING RESULTS

Observations During Groundwater Sampling

During well purging, apparent petroleum odors were detected emanating from monitoring wells MW-1, MW-2, MW-4, MW-6, MW-8, IS-1 through IS-5, and extraction well EW-2. Sheens were observed in the groundwater samples collected from monitoring wells MW-1, MW-4, MW-8, IS-2, and IS-5. Strong odor and free product were noted on the groundwater samples collected from well IS-5. No sheen was identified in the groundwater samples collected from monitoring wells MW-2, MW-5D, MW-6, IS-1, IS-3, IS-4, or EW-2. No sheen or odor was detected in monitoring wells MW-1D, MW-3, MW-4D, MW-5, MW-7, MW-7D, IS-6, or EW-1.

Groundwater purged from wells MW-4, MW-8, and IS-2 through IS-5 had high turbidity; groundwater in the remaining wells had moderate to low turbidity. The water color ranged from brown to gray to tan.

Groundwater Elevation and Flow Direction

On June 25, 2008, the shallow-zone groundwater elevations ranged from a low of 7.35 feet above mean sea level (AMSL) in well MW-2 to a high of 14.28 feet above msl in well IS-3 (**Table 2**). The groundwater elevations in the deep-zone monitoring wells (MW-1D, MW-4D, MW-5D, and MW-7D) ranged from a low of 5.00 feet above msl (MW-7D) to a high of 5.55 feet above msl (MW-1D). At each pair of shallow-zone and deep-zone wells (MW-1/MW-1D, MW-4/MW-4D, MW-5/MW-5D, and MW-7/MW-7D), the groundwater elevation was higher in the shallow-zone well. The differences ranged from 5.96 feet (wells MW-5/MW-5D) to 7.81 feet (wells MW-1/MW-1D). The shallow-zone wells are all screened from 10 feet to 25 feet bgs, and the deep-zone wells are screened from 35 feet to 45 feet bgs (**Table 1**).

The shallow-zone groundwater elevation contour map (**Figure 3**) shows highly variable groundwater flow directions and gradients (i) and an apparent groundwater mound. The steepest gradient is near the northern corner of this site. Two representative flow directions and gradients are shown on **Figure 3**. On the southwest side of the site, the gradient is toward the southwest at $i = 0.18$ and at the north corner, the gradient is 0.75 toward the north-northwest.

The apparent groundwater flow direction and gradient in the deep zone for June 25, 2008 is different from the groundwater flow direction and gradient in the shallow zone for the same date (**Figure 4**). The groundwater flow direction and gradient for the deep zone was determined from the four deep-zone wells (MW-1D, MW-4D, MW-5D, and MW-7D). **Figure 4** shows three representative gradients: the gradient along the axis of the groundwater depression is toward the north at 0.02, and two representative flow directions and gradients for groundwater flowing into the groundwater depression from the east and west at 0.03 and 0.04, respectively. The top-of-casing elevations and depth-to-water measurements of the deep-zone wells are presented in

Table 2. With the installation of additional groundwater monitoring wells in the deep-zone, the determinations of groundwater flow direction and gradient could change significantly.

Groundwater Sample Analytical Results: Shallow-Zone Wells

Consistent with historical data, the primary constituents of concern (COCs) at the site are TPH-g, TPH-d, benzene, MTBE, and TBA. The groundwater sample analytical results are summarized in **Table 3**. TPH-g concentrations were reported above the laboratory method-reporting limit (MRL) in samples collected from shallow-zone monitoring wells MW-1 (640 µg/L), MW-6 (2,700 µg/L), and IS-2 (5,500 µg/L). However, the MRLs for the samples with non-detectable concentrations ranged from a low of 2,000 µg/L (MW-3) to a high of 150,000 µg/L (IS-3). **Figure 5** presents the TPH-g concentration in groundwater for the shallow zone.

The detected concentrations of diesel-range hydrocarbons (TPH-d) in the samples collected from shallow-zone wells ranged from a low of 140 µg/L (MW-3) to a high of 27,000 µg/L (IS-5). TPH-d was reported above the laboratory MRLs in all the shallow-zone monitoring wells.

Benzene concentrations reported above the laboratory MRLs ranged from a low of 200 µg/L (IS-6) to a high of 4,000 µg/L (MW-4). Benzene concentrations were not reported above the laboratory MRLs in samples collected from monitoring wells MW-1 (<0.50 µg/L), MW-2 (<40 µg/L), MW-3 (<20 µg/L), MW-5 (<150 µg/L), MW-7 (<40 µg/L), IS-1 (<40 µg/L), and IS-4 (<90 µg/L). **Figure 6** presents the benzene concentration in groundwater for the shallow zone.

MTBE concentrations were reported above the laboratory MRLs in all the samples collected from shallow-zone wells and ranged from a low of 77 µg/L (MW-1) to 840,000 µg/L (IS-3). **Figure 7** presents the MTBE concentration in groundwater for the shallow zone.

TBA concentrations were reported above the laboratory MRLs for samples from all the samples collected from the shallow-zone wells and ranged from 3,800 µg/L (MW-1) to 520,000 µg/L (MW-5). **Figure 8** presents the TBA concentration in groundwater for the shallow zone. The high TBA concentrations are likely due to the biodegradation of MTBE. TBA concentrations in the samples from wells MW-5 and IS-4 have been generally increasing over time as MTBE concentrations in these wells have been generally decreasing (**Table 3**).

Groundwater Sample Analytical Results: Deep-Zone Wells

TPH-d was reported in samples collected from deep-zone monitoring wells MW-5D and MW-7D at concentrations of 74 µg/L and 92 µg/L, respectively. TPH-d was not detected above the MRL (50 µg/L) for MW-1D and MW-4D.

TPH-g was not detected in any of the groundwater samples at detection limits ranging from 50 µg/L (MW-1D, MW-4D, and MW-5D) to 100 µg/L (MW-7D).

None of the BTEX components was detected in any of the samples collected from deep-zone wells at detection limits ranging from 0.50 µg/L (MW-1D and MW-5D) to 1.0 µg/L (MW-7D).

MTBE concentrations ranged from below the MRL of 0.50 µg/L in the sample from well MW-5D to 690 µg/L (MW-7D).

TBA concentrations ranged from below the MRL of 5.0 µg/L (MW-1D, MW-4D, and MW-5D) to 63 µg/L (MW-7D). **Figure 9** presents the groundwater sample analytical results for the deep zone.

FINDINGS AND CONCLUSIONS

The mounded groundwater elevation contour pattern observed in the shallow zone during this quarterly monitoring event (**Figure 3**) is consistent with historical shallow-zone groundwater elevation contour patterns observed since February 2006 (First Quarter 2006). A groundwater mound appears to be located near the two dispenser islands.

The groundwater elevation contour pattern within the deep zone (**Figure 4**) was determined from data collected from the deep-zone wells MW-1D, MW-4D, MW-5D, and MW-7D on June 25, 2008. The deep-zone groundwater elevation contours indicate a partial elongated groundwater depression, which appears to discharge due north, at a gradient of 0.02.

The groundwater sample analytical results indicate that the site groundwater continues to be significantly impacted by TPH-g, TPH-d, benzene, MTBE, and TBA. TBA levels have generally increased over time as MTBE levels have decreased.

Free product was noted in the purged water from well IS-5 during sample collection and collected; free product was first noted in this same well during the fourth quarter 2007 quarterly groundwater monitoring event. Clearwater staff recommended that the sample of free product collected from IS-5 be analyzed. After receiving concurrence from ACEH staff on June 30, 2008, Clearwater staff sent the sample to Friedman-Bruya Incorporated, an analytical laboratory in Seattle, Washington, for hydrocarbon analysis and identification by paraffin (P), isoparaffins (I), aromatics (A), naphthalene (N), and olefins (O) [PIANO - 151 compounds including all oxygenates by gas chromatograph/mass spectrometry] and organic lead analysis and is currently awaiting the results, which will be presented in the *Quarterly Groundwater Monitoring Report – Third Quarter 2008*.

FUTURE WORK

Pending approval of the 2008 workplan, quarterly groundwater monitoring will continue.

CLEARWATER
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Environmental Services

CERTIFICATION

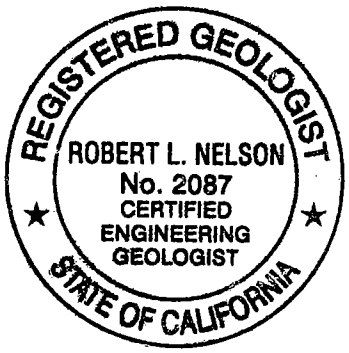
This report was prepared under the supervision of a Professional Geologist registered in the State of California. All statements, conclusions, and recommendations are based solely upon published results from previous consultants, field observations by Clearwater staff, and laboratory analyses performed by a State-of-California-certified laboratory related to the work performed by Clearwater. Information and interpretation presented herein are for the sole use of the client and regulatory agency. A third party should not rely upon the information and interpretation contained in this document.

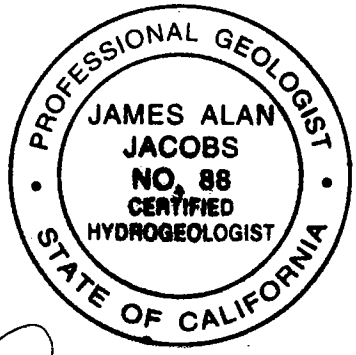
The service provided by Clearwater has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of this profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

LICENSED PROFESSIONALS

In-house licensed professionals direct all projects. These professionals, including geologists and engineers, shall be guided by the highest standards of ethics, honesty, integrity, fairness, personal honor, and professional conduct. To the fullest extent possible, the licensed professional shall protect the public health and welfare and property in carrying out their professional duties. In the course of normal business, recommendations by the in-house professional may include the use of equipment, services, or products in which the Company has an interest. Therefore, the Company is making full disclosure of potential or perceived conflicts of interest to all parties.

Sincerely,
CLEARWATER GROUP





Robert L. Nelson, P.G. #6270, C.E.G. #2087
Senior Geologist

James A. Jacobs, P.G. #4815, C.H.G. #88
Chief Hydrogeologist

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

FIGURES:

Figure 1: Site Vicinity Map
Figure 2: Site Plan
Figure 3: Shallow-Zone Groundwater Elevation Contour Map –June 25, 2008
Figure 4: Deep-Zone Groundwater Elevation Contour Map –June 25, 2008
Figure 5: Shallow-Zone TPH-gasoline Concentrations in Groundwater (µg/L)
Figure 6: Shallow-Zone Benzene Concentrations in Groundwater (µg/L)
Figure 7: Shallow-Zone MTBE Concentrations in Groundwater (µg/L)
Figure 8: Shallow-Zone TBA Concentrations in Groundwater (µg/L)
Figure 9: Deep-Zone Dissolved Phase Analytical Concentrations

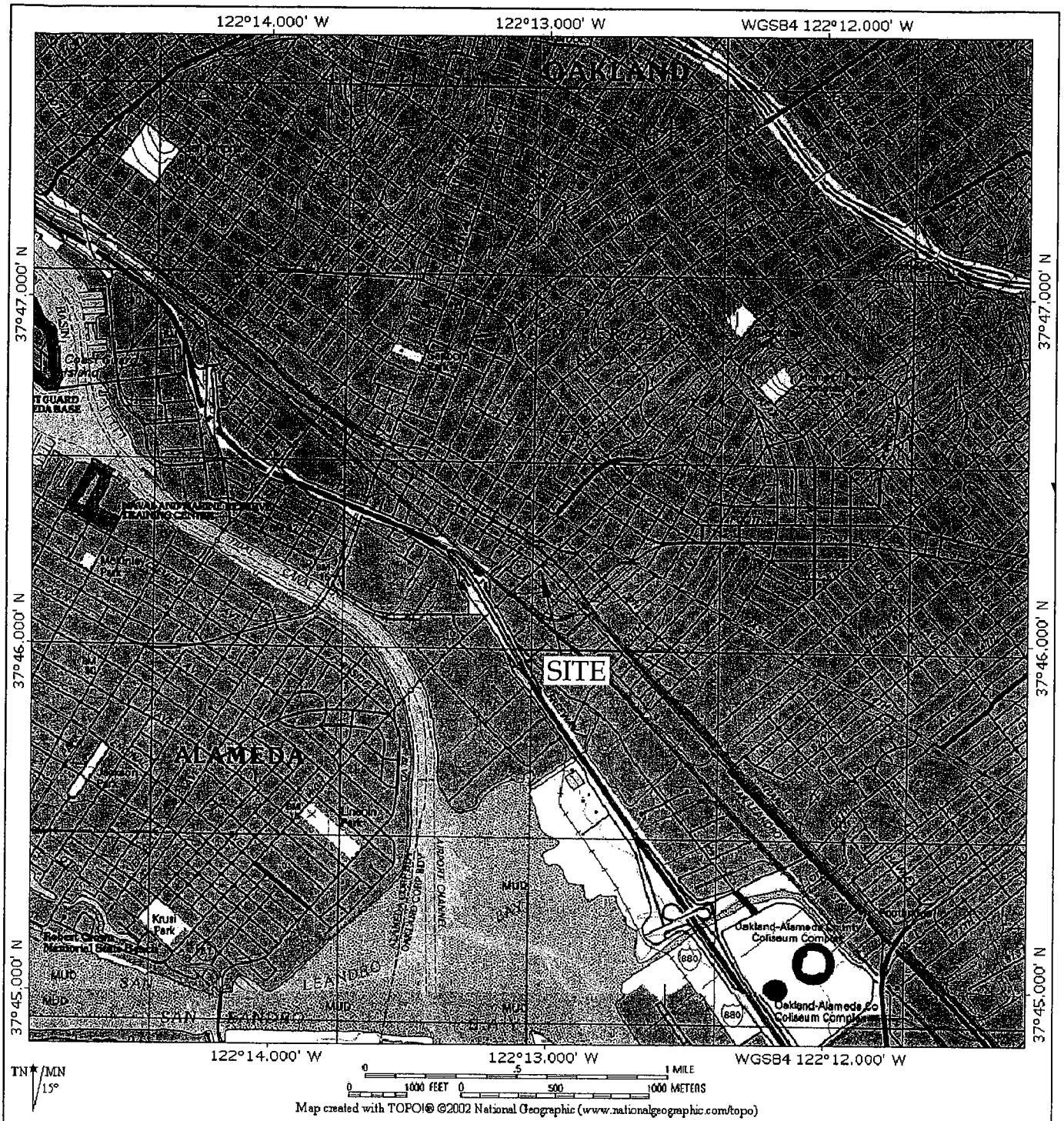
TABLES:

Table 1: Well Construction Data
Table 2: Groundwater Elevations
Table 3: Groundwater Sample Analytical Results

ATTACHMENTS:

Attachment A: Site Investigation History
Attachment B: Groundwater Monitoring and Sampling Field Procedures
Attachment C: Well Gauging/Purging Calculations Data Sheet and Purge Data Sheets
Attachment D: Kiff Analytical Reports # 63485 & 63526 with Chain-of-Custody Documents
Attachment E: Geotracker Confirmation Pages

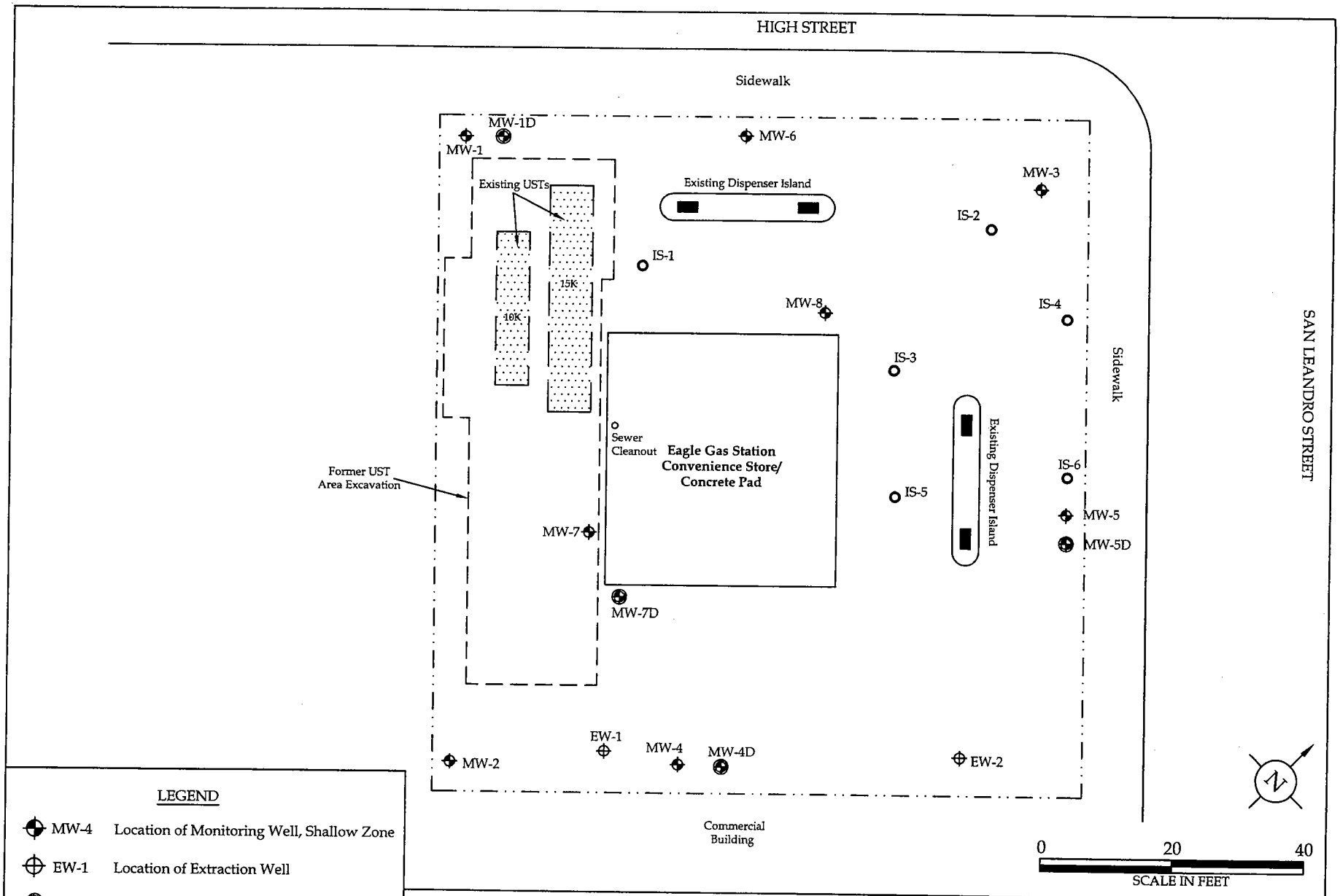
FIGURES



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

CLEARWATER GROUP

Project No.	Figure Date	Figure
ZP046	**1/08**	**1**



LEGEND

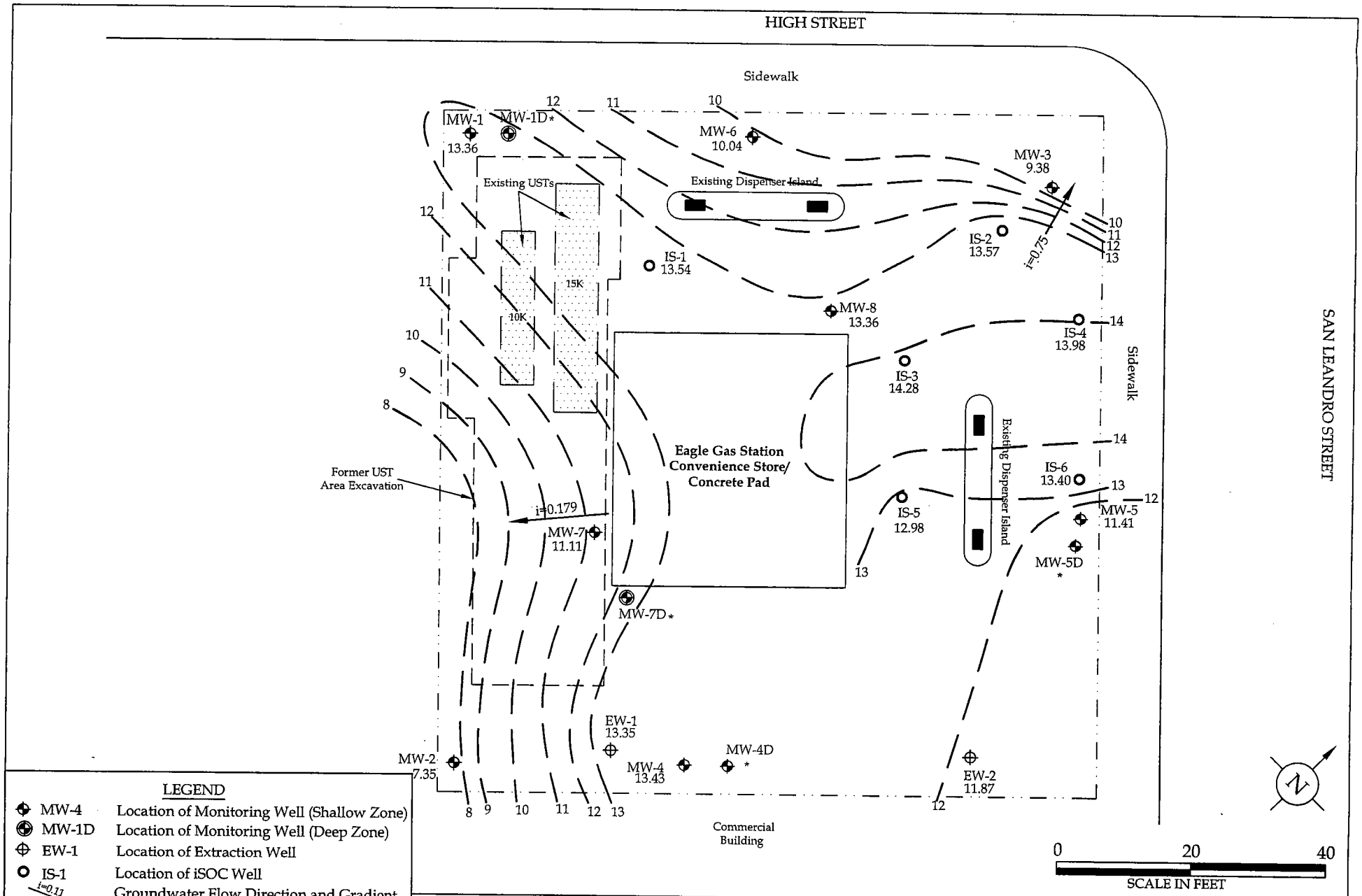
MW-4	Location of Monitoring Well, Shallow Zone
EW-1	Location of Extraction Well
IS-1	Location of iSOC Well
MW-1D	Location of Monitoring Well (Deep Zone)
— · · —	Property Line

Site Plan

Eagle Gas
4301 San Leandro Street
Oakland, California

CLEARWATER GROUP

Project No.	Figure Date	Figure
ZP046	1/08	2



LEGEND

MW-4	Location of Monitoring Well (Shallow Zone)
MW-1D	Location of Monitoring Well (Deep Zone)
EW-1	Location of Extraction Well
IS-1	Location of iSOC Well
i=0.11	Groundwater Flow Direction and Gradient
	Property Line
12.0	Groundwater Elevation Contour
12.04	Groundwater Elevation in Feet Above Mean Sea Level

* not included in Contouring

Shallow Zone Groundwater Elevation Contour Map
June 25, 2008
Eagle Gas
4301 San Leandro Street
Oakland, California

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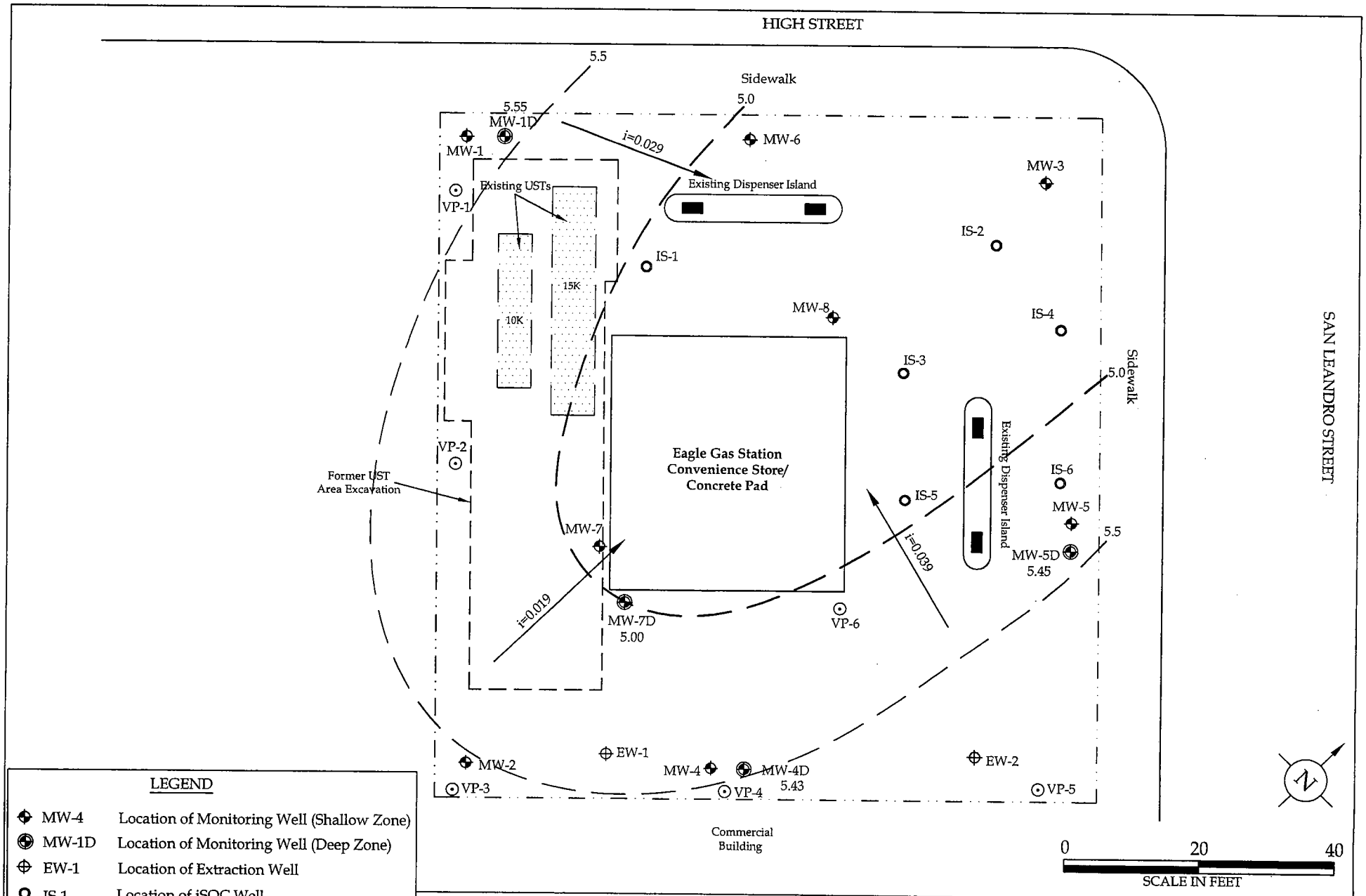
Project No.	Figure Date	Figure
ZP046M	7/08	3

\\Tagi\Shares\Department\Jobs\ZP046 Eagle Gas\Quarterly Reports\2Q08\Figures\Figure 3 Groundwater Elevation Contour Map



LEGEND

MW-4	Location of Monitoring Well (Shallow Zone)
MW-1D	Location of Monitoring Well (Deep Zone)
EW-1	Location of Extraction Well
IS-1	Location of iSOC Well
VP-1	Soil Vapor Well Location
	Property Line
2.0	Groundwater Elevation Contour
2.15	Groundwater Elevation in Feet Above Mean Sea Level

Deep Zone Groundwater Elevation Contour Map
June 25, 2008
Eagle Gas
4301 San Leandro Street
Oakland, California

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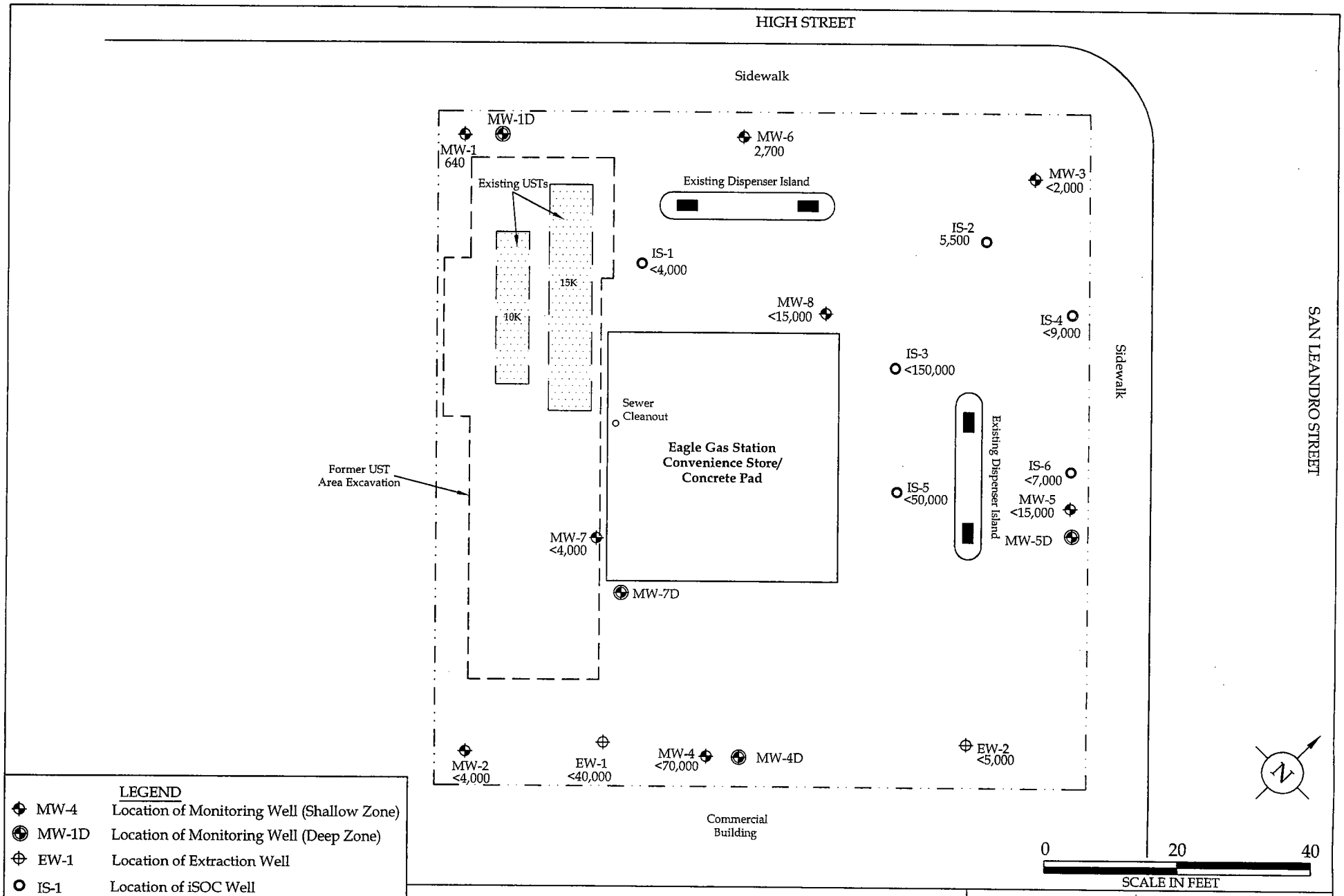
Project No.	Figure Date	Figure
ZP046M	**7/08**	**4**

\\Tagi\Shares\Department\Jobs\ZP046 Eagle Gas\Quarterly Reports\2Q08\Figures\Fig 4 Groundwater Elevation Contour Map

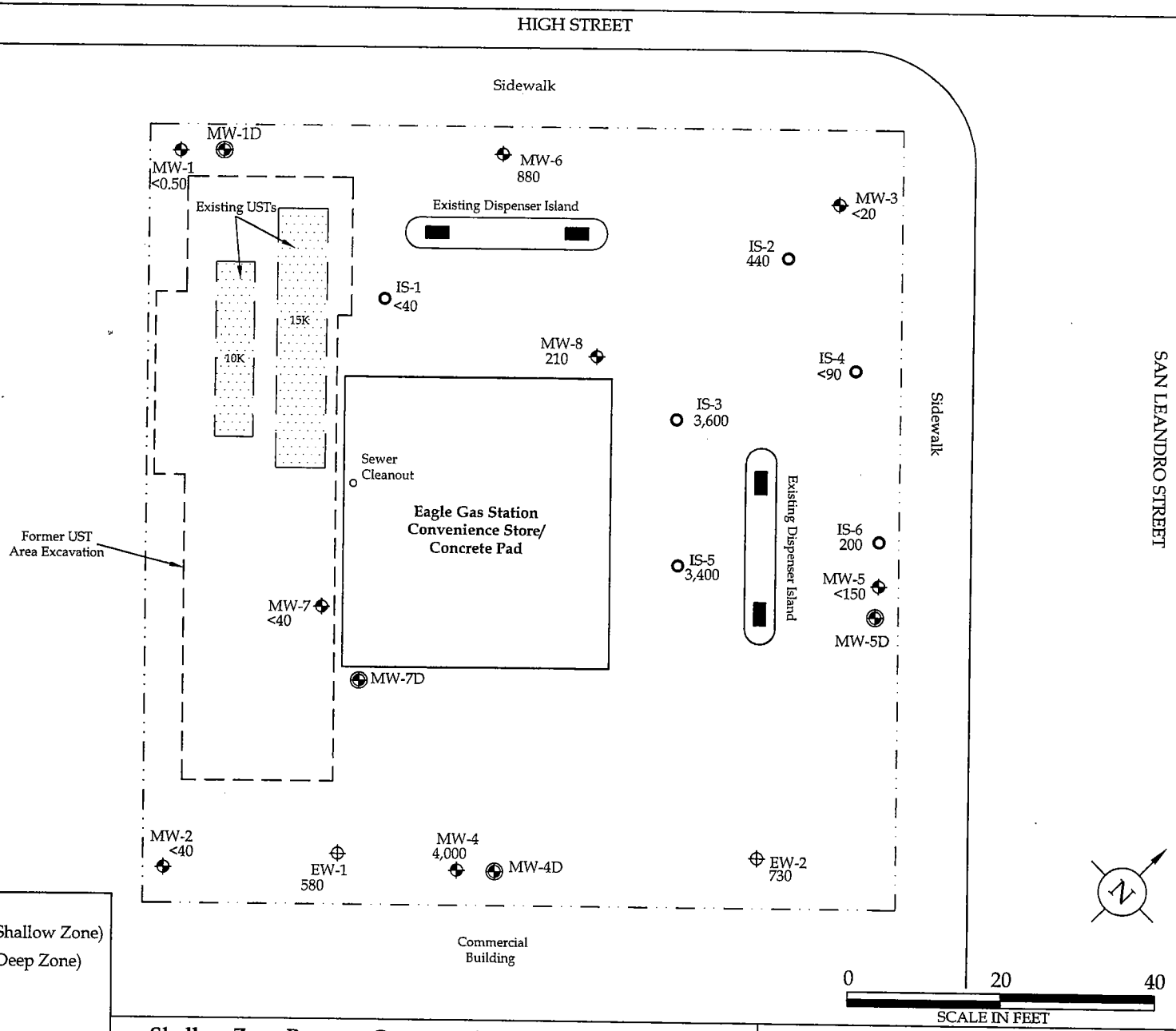


Shallow Zone TPH-g Concentrations in Groundwater (µg/L)
Second Quarter 2008 Groundwater Monitoring Event
Eagle Gas
4301 San Leandro Street
Oakland, California

CLEARWATER GROUP

Project No.	Figure Date	Figure
ZP046M	7/08	5

\\Tagi\Shares\Department\Jobs\ZP046 Eagle Gas\Quarterly Reports\2Q08\Figures\Fig 5 TPH-g Concentration groundwater (ug/L), Shallow Zone



LEGEND

MW-4	Location of Monitoring Well (Shallow Zone)
MW-1D	Location of Monitoring Well (Deep Zone)
EW-1	Location of Extraction Well
IS-1	Location of iSOC Well
— · —	Property Line
550	Benzene Concentration in µg/L

Shallow Zone Benzene Concentrations in Groundwater (µg/L)
Second Quarter 2008 Groundwater Monitoring Event
Eagle Gas
4301 San Leandro Street
Oakland, California

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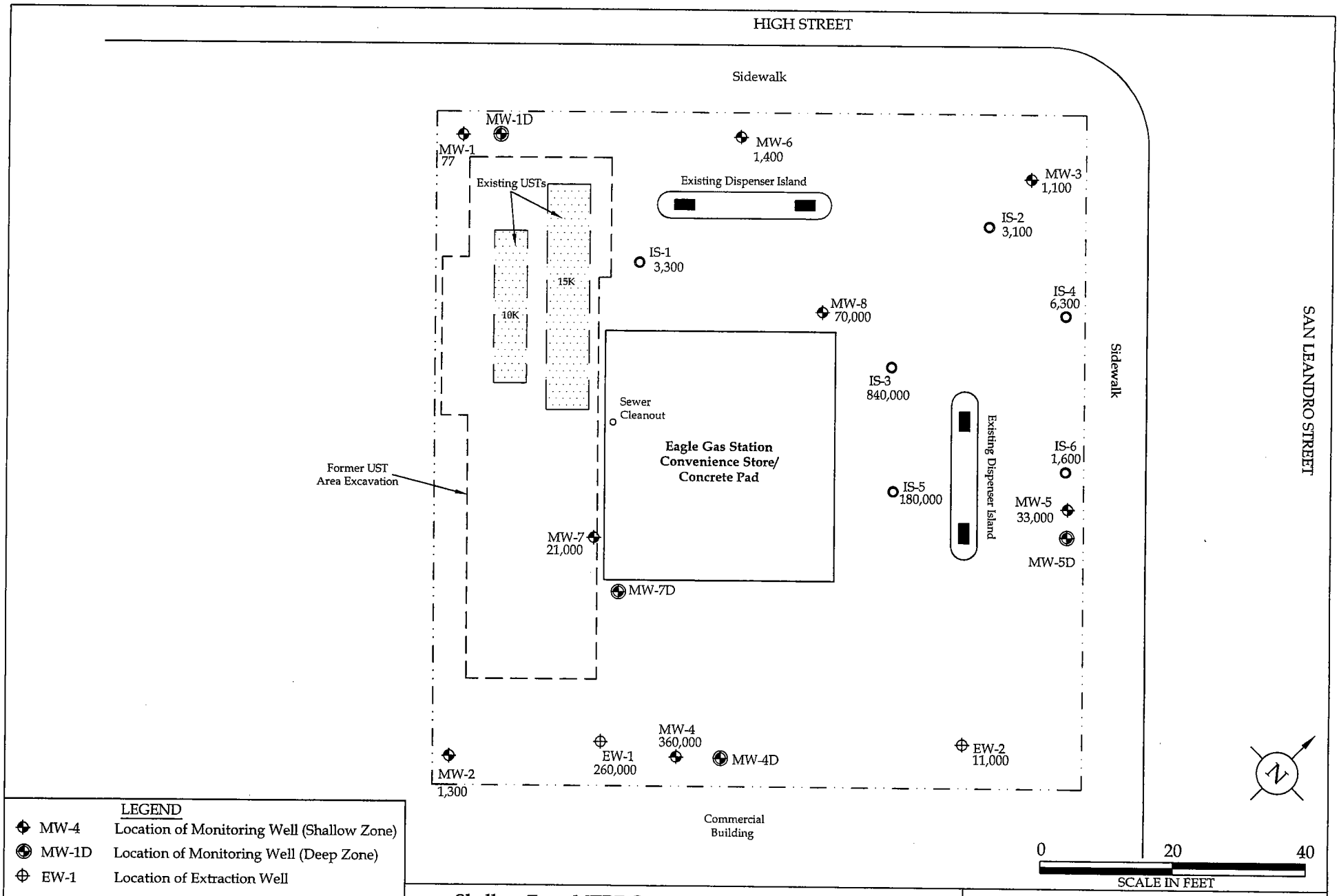
Project No.	Figure Date	Figure
ZP046M	**7/08**	**6**

\\Tagi\Shares\Department\Jobs\ZP046 Eagle Gas\Quarterly Reports\2Q08\Figures\Fig 6 Benzene Concentration groundwater (ug/L), Shallow Zone



LEGEND

MW-4	Location of Monitoring Well (Shallow Zone)
MW-1D	Location of Monitoring Well (Deep Zone)
EW-1	Location of Extraction Well
IS-1	Location of iSOC Well
— · —	Property Line
110,000	MTBE Concentration in µg/L

Shallow Zone MTBE Concentrations in Groundwater (µg/L)
Second Quarter 2008 Groundwater Monitoring Event
Eagle Gas
4301 San Leandro Street
Oakland, California

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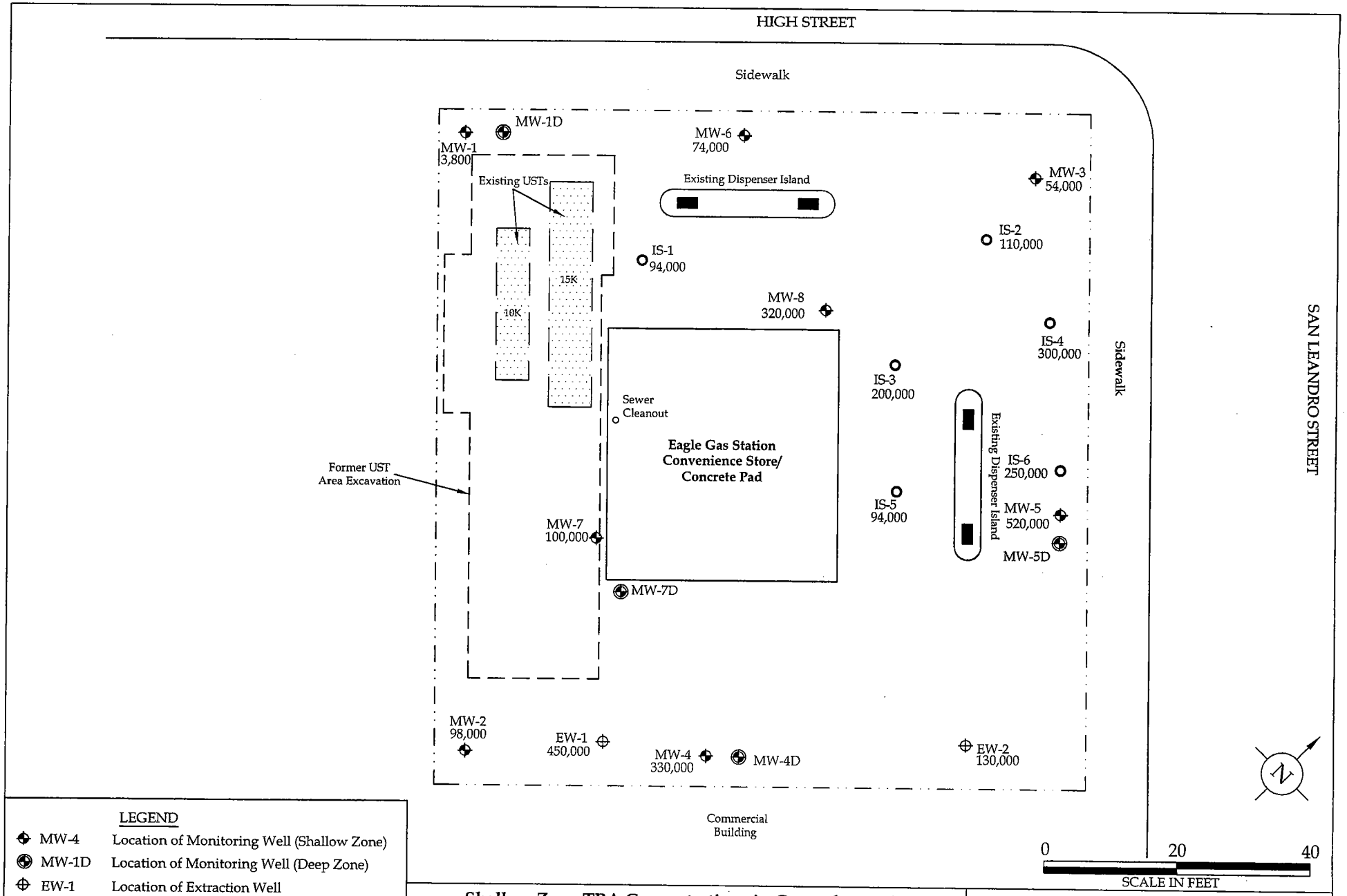
Project No.	Figure Date	Figure
ZP046M	**7/08**	**7**

\\Tagi\Shares\Department\Jobs\ZP046 Eagle Gas\Quarterly Reports\2Q08\Figures\Fig 7 MTBE Concentration Groundwater (ug/L), Shallow Zone



LEGEND

MW-4	Location of Monitoring Well (Shallow Zone)
MW-1D	Location of Monitoring Well (Deep Zone)
EW-1	Location of Extraction Well
IS-1	Location of iSOC Well
— · · —	Property Line
65,000	TBA Concentration in µg/L

Shallow Zone TBA Concentrations in Groundwater (µg/L)
Second Quarter 2008 Groundwater Monitoring Event
Eagle Gas
4301 San Leandro Street
Oakland, California

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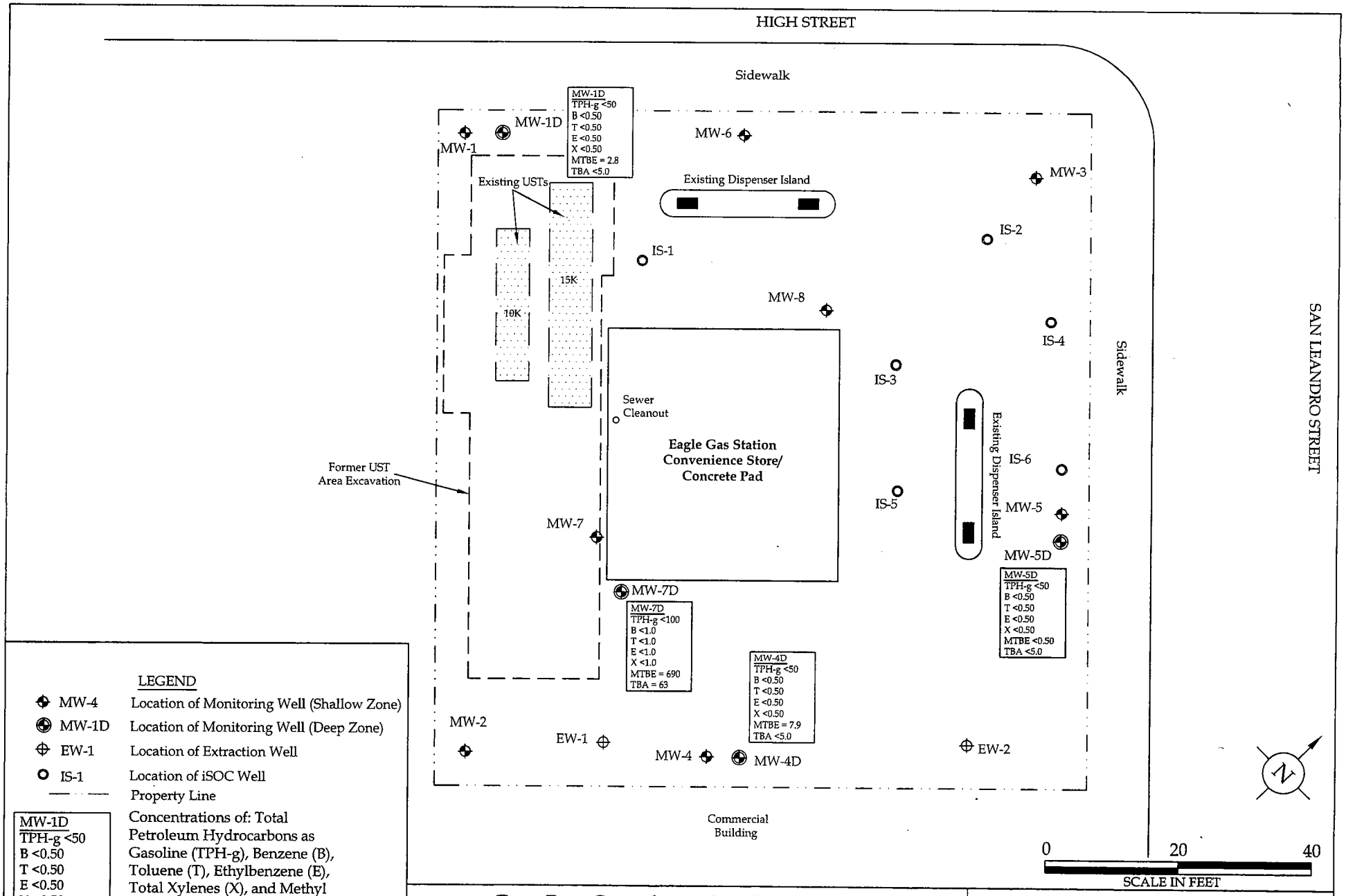
Project No.	Figure Date	Figure
ZP046M	7/08	8

\\Tagi\Shares\Department\Jobs\ZP046 Eagle Gas\Quarterly Reports\2Q08\Figures\Fig 8 TBA Concentration groundwater (ug/L), Shallow Zone



Deep Zone Groundwater Sample Analytical Result
Second Quarter 2008 Groundwater Monitoring Event
Eagle Gas
4301 San Leandro Street
Oakland, California

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Project No.	Figure Date	Figure
ZP046M	**7/08**	**9**

\\Tagi\Shares\Department\Jobs\ZP046 Eagle Gas\Quarterly Reports\2Q08\Figures\Fig 9 Deep-Zone Dissolved Phase Analytical Concentrations

TABLES

TABLE 1
WELL CONSTRUCTION DATA
Eagle Gas
4301 San Leandro Street
Oakland, California
Clearwater Group Project No. ZP046

Well I.D.	Date Installed	Installed by	Borehole Diameter (inches)	Casing Diameter (inches)	Depth of Borehole (feet bgs)	Cement (feet bgs)	Bentonite Seal (feet bgs)	Filter Pack (feet bgs)	Filter Pack Material	Screened Interval (feet bgs)	Slot Size (inches)
MW-1	9/26/2000	Western Hazmat	8	2	25	0-5	5-7	7-25	#2/12 sand	10-25	0.01
MW-1D	10/4/2007	Gregg Drilling	8	2	45	0-31	31-33	33-45	#2/12 sand	35-45	0.01
MW-2	9/26/2000	Western Hazmat	8	2	25	0-5	5-7	7-25	#2/12 sand	10-25	0.01
MW-3	9/26/2000	Western 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-7D	10/4/2007	Gregg Drilling	8	2	45	0-31	31-33	33-45	#2/12 sand	35-45	0.01
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 (bgs)

TABLE 2
GROUNDWATER ELEVATIONS
Eagle Gas
4301 San Leandro Street
Oakland, California

Well Name	Measurement Date	TOC in feet AMSL	DTW in feet BTOC	GWE in feet AMSL
ESL (µg/L)				
MW-1	10/3/2000	18.37	8.96	9.41
	10/27/2000	18.37	7.27	11.10
	1/26/2001	18.37	7.60	10.77
	5/8/2001	18.37	7.50	10.87
	8/3/2001	18.37	7.09	11.28
	7/1/2003	18.37	7.59	10.78
	10/1/2003	18.37	8.36	10.01
	2/13/2004	18.37	8.80	9.57
	5/17/2004	18.37	10.92	7.45
	8/6/2004	18.37	7.76	10.61
	11/12/2004	18.37	9.25	9.12
	2/15/2005	18.37	10.12	8.25
	5/9/2005	18.37	9.58	8.79
	8/8/2005**	20.08	10.09	9.99
	11/16/2005	20.08	9.81	10.27
	2/22/2006	20.08	9.58	10.50
	5/16/2006	20.08	6.89	13.19
	8/23/2006	20.08	9.21	10.87
	11/13/2006	20.08	8.55	11.53
	2/13/2007	20.08	7.11	12.97
	5/15/2007	20.08	6.63	13.45
	8/15/2007	20.08	9.61	10.47
	11/13/2007	20.08	13.63	6.45
	2/19/2008	20.08	6.13	13.95
	6/25/2008	20.08	6.72	13.36
MW-1D	11/13/2007	19.98	15.61	4.37
	11/27/2007	19.98	15.52	4.46
	2/19/2008	19.98	13.81	6.17
	6/25/2008	19.98	14.43	5.55
MW-2	10/3/2000	20.28	20.26	0.02
	10/27/2000	20.28	13.88	6.40
	1/26/2001	20.28	12.10	8.18
	5/8/2001	20.28	12.05	8.23
	8/3/2001	20.28	13.30	6.98
	7/1/2003	20.28	14.98	5.30
	10/1/2003	20.28	15.99	4.29
	2/13/2004	20.28	13.88	6.40
	5/17/2004	20.38	14.68	5.70
	8/6/2004	20.38	15.36	5.02
	11/12/2004	20.38	15.49	4.89
	2/15/2005	20.38	14.16	6.22
	5/9/2005	20.38	13.62	6.76
	8/8/2005**	22.05	13.36	8.69
	11/16/2005	22.05	14.51	7.54
	2/22/2006	22.05	12.69	9.36

TABLE 2
GROUNDWATER ELEVATIONS
Eagle Gas
4301 San Leandro Street
Oakland, California

Well Name	Measurement Date	TOC in feet AMSL	DTW in feet BTOC	GWE in feet AMSL
ESL (µg/L)				
MW-2 Continued	5/16/2006	22.05	12.01	10.04
	8/23/2006	21.98	11.33	10.65
	11/13/2006	21.98	13.64	8.34
	2/13/2007	21.98	12.78	9.20
	5/16/2007	21.98	13.17	8.81
	8/16/2007	21.98	13.48	8.50
	11/16/2007	21.98	14.11	7.87
	2/19/2008	21.98	14.02	7.96
	6/25/2008	21.98	14.63	7.35
MW-3	10/3/2000	18.98	NA	NA
	10/27/2000	18.98	18.75	0.23
	1/26/2001	18.98	13.38	5.60
	5/8/2001	18.98	11.82	7.16
	8/3/2001	18.98	13.44	5.54
	7/1/2003	18.98	12.67	6.31
	10/1/2003	18.98	14.04	4.94
	2/13/2004	18.98	12.20	6.78
	5/17/2004	18.98	11.87	7.11
	8/6/2004	18.98	13.07	5.91
	11/12/2004	18.98	12.83	6.15
	2/15/2005	18.98	11.95	7.03
	5/9/2005	18.98	10.51	8.47
	8/8/2005**	20.73	10.98	9.75
	11/16/2005	20.73	12.89	7.84
	2/22/2006	20.73	10.31	10.42
	5/16/2006	20.73	9.03	11.70
	8/23/2006	20.68	10.81	9.87
	11/13/2006	20.68	12.29	8.39
	2/13/2007	20.68	11.23	9.45
	5/15/2007	20.68	10.39	10.29
	8/15/2007	20.68	11.81	8.87
	11/14/2007	20.68	12.26	8.42
	2/19/2008	20.68	10.72	9.96
	6/25/2008	20.68	11.30	9.38
MW-4	2/22/2006	21.63	7.87	13.76
	5/16/2006	21.63	8.04	13.59
	8/23/2006	21.53	9.77	11.76
	11/13/2006	21.53	8.78	12.75
	2/13/2007	21.53	7.56	13.97
	5/16/2007	21.53	7.97	13.56
	8/16/2007	21.53	9.03	12.50
	11/16/2007	21.53	8.52	13.01
	2/19/2008	21.53	7.51	14.02
	6/25/2008	21.53	8.10	13.43

TABLE 2
GROUNDWATER ELEVATIONS
Eagle Gas
4301 San Leandro Street
Oakland, California

Well Name	Measurement Date	TOC in feet AMSL	DTW in feet BTOC	GWE in feet AMSL
ESL (µg/L)				
MW-4D	2/21/2006	21.54	15.58	5.96
	5/16/2006	21.54	13.23	8.31
	8/23/2006	21.44	15.33	6.11
	11/13/2006	21.44	16.23	5.21
	2/13/2007	21.44	15.73	5.71
	5/15/2007	21.44	15.38	6.06
	8/15/2007	21.44	16.42	5.02
	11/13/2007	21.44	17.21	4.23
	11/27/2007	21.44	15.85	5.59
	2/29/2008	21.44	15.41	6.03
	6/25/2008	21.44	16.01	5.43
MW-5	2/21/2006	20.48	6.63	13.85
	5/16/2006	20.48	6.62	13.86
	8/23/2006	20.41	7.62	12.79
	11/13/2006	20.41	7.31	13.10
	2/13/2007	20.41	6.54	13.87
	5/16/2007	20.41	6.79	13.62
	8/16/2007	20.41	7.99	12.42
	11/16/2007	20.41	7.51	12.90
	2/19/2008	20.41	8.41	12.00
	6/25/2008	20.41	9.00	11.41
MW-5D	2/21/2006	20.32	13.68	6.64
	5/16/2006	20.32	12.72	7.60
	8/23/2006	20.22	14.48	5.74
	11/13/2006	20.22	14.98	5.24
	2/13/2007	20.22	14.48	5.74
	5/15/2007	20.22	14.13	6.09
	8/15/2007	20.22	15.21	5.01
	11/13/2007	20.22	15.94	4.28
	11/27/2007	20.22	15.85	4.37
	2/19/2008	20.22	14.17	6.05
	6/25/2008	20.22	14.77	5.45
MW-6	2/22/2006	20.45	9.88	10.57
	5/16/2006	20.45	9.35	11.10
	8/23/2006	20.47	10.48	9.99
	11/13/2006	20.47	10.86	9.61
	2/13/2007	20.47	10.31	10.16
	5/15/2007	20.47	10.35	10.12
	8/15/2007	20.47	10.74	9.73
	11/14/2007	20.47	10.91	9.56
	2/19/2008	20.47	9.82	10.65
	6/25/2008	20.47	10.43	10.04

TABLE 2
GROUNDWATER ELEVATIONS
Eagle Gas
4301 San Leandro Street
Oakland, California

Well Name	Measurement Date	TOC in feet AMSL	DTW in feet BTOC	GWE in feet AMSL
ESL (µg/L)				
MW-7	2/22/2006	21.13	11.72	9.41
	5/16/2006	21.13	8.72	12.41
	8/23/2006	21.14	11.34	9.80
	11/13/2006	21.14	12.53	8.61
	2/13/2007	21.14	11.83	9.31
	5/15/2007	21.14	10.99	10.15
	8/15/2007	21.14	12.41	8.73
	11/14/2007	21.14	13.41	7.73
	2/19/2008	21.14	9.51	11.63
	6/25/2008	21.14	10.03	11.11
MW-7D	11/13/2007	21.36	19.21	2.15
	11/27/2007	21.36	17.02	4.34
	2/19/2008	21.36	15.78	5.58
	6/25/2008	21.36	16.36	5.00
MW-8	2/22/2006	21.03	7.28	13.75
	5/16/2006	21.03	7.48	13.55
	8/23/2006	20.95	8.19	12.76
	11/13/2006	20.95	8.15	12.80
	2/13/2007	20.95	6.58	14.37
	5/16/2007	20.95	7.24	13.71
	8/16/2007	20.95	8.61	12.34
	11/16/2007	20.95	8.21	12.74
	2/19/2008	20.95	7.01	13.94
	6/25/2008	20.95	7.59	13.36
IS-1	2/22/2006	20.57	6.91	13.66
	5/16/2006	20.57	7.01	13.56
	8/23/2006	20.58	7.82	12.76
	11/13/2006	20.58	8.21	12.37
	2/13/2007	20.58	6.14	14.44
	5/15/2007	20.58	7.04	13.54
	8/15/2007	20.58	8.06	12.52
	11/13/2007	20.58	7.61	12.97
	2/19/2008	20.58	6.42	14.16
	6/25/2008	20.58	7.04	13.54
IS-2	2/22/2006	20.87	6.92	13.95
	5/16/2006	20.87	6.99	13.88
	8/23/2006	20.78	7.91	12.87
	11/13/2006	20.78	8.23	12.55
	2/13/2007	20.78	6.76	14.02
	5/15/2007	20.78	6.87	13.91
	8/15/2007	20.78	8.08	12.70
	11/14/2007	20.78	7.69	13.09
	2/19/2008	20.78	6.63	14.15
	6/25/2008	20.78	7.21	13.57

TABLE 2
GROUNDWATER ELEVATIONS
Eagle Gas
4301 San Leandro Street
Oakland, California

Well Name	Measurement Date	TOC in feet AMSL	DTW in feet BTOC	GWE in feet AMSL
ESL (µg/L)				
IS-3	2/22/2006	20.99	7.32	13.67
	5/16/2006	20.99	7.86	13.13
	8/23/2006	20.87	8.19	12.68
	11/13/2006	20.87	8.03	12.84
	2/13/2007	20.87	7.03	13.84
	5/16/2007	20.87	7.17	13.70
	8/15/2007	20.87	8.43	12.44
	11/14/2007	20.87	7.93	12.94
	2/19/2008	20.87	6.01	14.86
	6/25/2008	20.87	6.59	14.28
IS-4	2/22/2006	20.79	6.95	13.84
	5/16/2006	20.79	7.17	13.62
	8/23/2006	20.68	7.83	12.85
	11/13/2006	20.68	8.46	12.22
	2/13/2007	20.68	9.02	11.66
	5/15/2007	20.68	6.99	13.69
	8/15/2007	20.68	8.05	12.63
	11/14/2007	20.68	6.38	14.30
	2/19/2008	20.68	6.11	14.57
	6/25/2008	20.68	6.70	13.98
IS-5	2/22/2006	21.02	7.17	13.85
	5/16/2006	21.02	6.81	14.21
	8/23/2006	20.91	8.12	12.79
	11/13/2006	20.91	8.41	12.50
	2/13/2007	20.91	6.78	14.13
	5/16/2007	20.91	7.15	13.76
	8/15/2007	20.91	8.32	12.59
	11/16/2007	20.91	7.71	13.20
	2/19/2008	20.91	7.35	13.56
	6/25/2008	20.91	7.93	12.98
IS-6	2/22/2006	20.56	6.89	13.67
	5/16/2006	20.56	6.44	14.12
	8/23/2006	20.47	7.69	12.78
	11/13/2006	20.47	7.72	12.75
	2/13/2007	20.47	6.12	14.35
	5/16/2007	20.47	6.67	13.80
	8/15/2007	20.47	7.91	12.56
	11/14/2007	20.47	7.22	13.25
	2/19/2008	20.47	6.49	13.98
	6/25/2008	20.47	7.07	13.40

TABLE 2
GROUNDWATER ELEVATIONS
Eagle Gas
4301 San Leandro Street
Oakland, California

Well Name	Measurement Date	TOC in feet AMSL	DTW in feet BTOC	GWE in feet AMSL
ESL (µg/L)				
EW-1	2/22/2006	21.74	8.06	13.68
	5/16/2006	21.74	7.97	13.77
	8/23/2006	21.65	9.61	12.04
	11/13/2006	21.65	8.78	12.87
	2/13/2007	21.65	6.31	15.34
	5/16/2007	21.65	8.13	13.52
	8/16/2007	21.65	8.71	12.94
	11/16/2007	21.65	8.70	12.95
	2/19/2008	21.65	7.71	13.94
	6/25/2008	21.65	8.30	13.35
EW-2	2/22/2006	20.46	7.31	13.15
	5/16/2006	20.46	7.25	13.21
	8/23/2006	20.37	8.31	12.06
	11/13/2006	20.37	8.18	12.19
	2/13/2007	20.37	7.15	13.22
	5/16/2007	20.37	7.74	12.63
	8/16/2007	20.37	9.45	10.92
	11/16/2007	20.37	9.64	10.73
	2/19/2008	20.37	7.91	12.46
	6/25/2008	20.37	8.50	11.87

Notes:

TOC	Top-of-well casing referenced to arbitrary datum prior to 3Q2005
DTW	Depth to water
AMSL	Above mean sea level
BTOC	Below top of casing
GWE	Groundwater elevation measured in feet above mean sea level
NA	Not Available
**	Wells re-surveyed on 3/28/2005.

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Eagle Gas
4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
MW-1	10/3/2000	460	93,000	<500	<500	<500	<500	130,000	<10,000	<10,000	<10,000	<2,000	---	---	---	---
	10/27/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/26/2001	1,600*	51,000	270	<100	<100	<100	77,000	<5,000	<5,000	<5,000	<20,000	---	---	---	---
	5/8/2001	470*	36,000*	<100	<100	<100	<100	15,000	<5,000	<5,000	<5,000	<20,000	---	---	---	---
	8/3/2001	2,200*	19,000*	<50	59	<50	<50	96,000	<5,000	<5,000	<5,000	<20,000	---	---	---	---
	7/1/2003	3,000	<25,000	<250	<250	<250	<250	170,000	<250	<250	980	8,700	---	---	---	---
	10/1/2003	2,600	<20,000	<200	<200	<200	<200	69,000	<200	<200	270	15,000	---	---	---	---
	2/13/2004	1,800	<10,000	<100	<100	<100	<100	85,000	<100	<100	390	79,000	---	---	---	---
	5/17/2004	5,400	<15,000	<150	<150	<150	<150	60,000	<150	<150	260	160,000	---	---	---	---
	8/6/2004	510	<10,000	<100	<100	<100	<100	26,000	<100	<100	100	250,000	---	---	---	---
	11/12/2004	3,500	<5,000	<50	<50	<50	<50	25,000	<50	<50	150	160,000	---	---	---	---
	2/15/2005	2,900	<5,000	<50	<50	<50	<50	12,000	<50	<50	70	160,000	---	---	---	---
	5/9/2005	1,700	<5,000	<50	<50	<50	<50	11,000	<50	<50	53	200,000	---	---	---	---
	8/8/2005	2,000	<5,000	<50	<50	<50	<50	8,500	<50	<50	<50	250,000	---	---	---	---
	11/16/2005	3,600	<5,000	<50	<50	<50	<50	3,800	<50	<50	<50	140,000	<5,000	<500	<50	<50
	2/22/2006	2,600	<5,000	<50	<50	<50	<50	5,800	<50	<50	<50	120,000	<5,000	<500	<50	<50
	5/16/2006	4,700	<5,000	<50	<50	<50	<50	3,700	<50	<50	<50	150,000	<5,000	<500	<50	<50
	8/23/2006	2,000	<5,000	<50	<50	<50	<50	3,700	<50	<50	<50	110,000	<5,000	<500	<50	<50
	11/13/2006	NA	<4,000	<40	<40	<40	<40	2,000	<40	<40	<40	79,000	NA	NA	NA	NA
	2/13/2007	900	<2,500	<25	<25	<25	<25	3,700	<25	<25	25	63,000	NA	NA	NA	NA
	5/15/2007	3,000	<2,500	<25	<25	<25	<25	1,100	<25	<25	<25	52,000	NA	NA	NA	NA
	8/15/2007	1,000	<1,000	<10	<10	<10	<10	230	<10	<10	<10	34,000	NA	NA	NA	NA
	11/13/2007	170	<150	<1.5	<1.5	<1.5	<1.5	630	<1.5	<1.5	3.1	200	NA	NA	NA	NA
	2/19/2008	1,800	240	<1.5	<1.5	1.7	18	53	<1.5	<1.5	<1.5	2,500	NA	NA	NA	NA
	6/25/2008	**1,300**	**640**	<0.50	<0.50	<0.50	<0.50	77	<0.50	<0.50	**0.6**	**3,800**	NA	NA	NA	NA
MW-1D	11/13/2007	140	71	<0.50	<0.50	<0.50	<0.50	600	<0.50	<0.50	3.4	550	<50	<5.0	<0.50	<0.50
	11/27/2007	No groundwater samples collected														
	2/19/2008	180	<50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	6/25/2008	<50	<50	<0.50	<0.50	<0.50	<0.50	**2.8**	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
MW-2	10/3/2000	210	250,000	<1,250	<1,250	<1,250	<1,250	400,000	<25,000	<25,000	<25,000	<100,000	---	---	---	---
	10/27/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/26/2001	6,000*	740,000	3,800	<500	940	1,600	1,000,000	<50,000	<50,000	<50,000	<200,000	---	---	---	---
	5/8/2001	2,100*	140,000	2,800	<250	780	640	840,000	<50,000	<50,000	<50,000	<200,000	---	---	---	---
	8/3/2001	2,600*	42,000*	1,100	63	230	130	880,000	<25,000	<25,000	<25,000	<100,000	---	---	---	---

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Eagle Gas
4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
cont'd	7/1/2003	2,200	<200,000	<2,000	<2,000	<2,000	<2,000	790,000	<2,000	<2,000	3,400	<20,000	---	---	---	---
MW-2	10/1/2003	870	<100,000	<1,000	<1,000	<1,000	<1,000	620,000	<1,000	<1,000	2,700	<20,000	---	---	---	---
	2/13/2004	1,200	<20,000	860	<200	260	<200	710,000	<200	<200	2,000	<25,000	---	---	---	---
	5/17/2004	2,500	<50000	860	<500	<500	<500	760,000	<500	<500	2,500	13,000J	---	---	---	---
	8/6/2004	2,500	<50000	590	<500	<500	<500	810,000	<500	<500	3,600	17,000J	---	---	---	---
	11/12/2004	500	<150,000	<1500	<1500	<1500	<1500	700,000	<1500	<1500	2,800	25,000J	---	---	---	---
	2/15/2005	990	<150,000	<1,500	<1,500	<1,500	<1,500	630,000	<1,500	<1,500	2,600	32,000	---	---	---	---
	5/9/2005	1,100	<150,000	<1,500	<1,500	<1,500	<1,500	570,000	<1,500	<1,500	2,300	32,000	---	---	---	---
	8/8/2005	770	<150,000	<1,500	<1,500	<1,500	<1,500	770,000	<1,500	<1,500	2,200	85,000	---	---	---	---
	11/16/2005	890	<70,000	<700	<700	<700	<700	430,000	<700	<700	2,100	130,000	<100,000	<7,000	<700	<700
	2/22/2006	<1,500	<70,000	800	<700	<700	<700	400,000	<700	<700	1,700	130,000	<70,000	<7,000	<700	<700
	5/16/2006	1,100	<70,000	<700	<700	<700	<700	250,000	<700	<700	940	140,000	<70,000	<7,000	<700	<700
	8/23/2006	660	<40,000	<400	<400	<400	<400	200,000	<400	<400	830	170,000	<40,000	<4,000	<400	<400
	11/13/2006	NA	<40,000	<400	<400	<400	<400	140,000	<400	<400	490	170,000	NA	NA	NA	NA
	2/13/2007	780	<20,000	250	<200	<200	<200	100,000	<200	<200	240	130,000	NA	NA	NA	NA
	5/16/2007	800	<7,000	150	<70	<70	<70	44,000	<70	<70	120	130,000	NA	NA	NA	NA
	8/16/2007	610	<5,000	100	<50	<50	<50	21,000	<50	<50	<80[++]	100,000	NA	NA	NA	NA
	11/16/2007	480	<4,000	140	<40	<40	<40	10,000	<40	<40	<40	100,000	NA	NA	NA	NA
	2/19/2008	2,600	1,400	88	0.96	4.4	4.4	5,000	<0.50	4.6	14	76,000	NA	NA	NA	NA
	6/25/2008	**340**	<4,000	<40	<40	<40	<40	**1,300**	<40	<40	<40	**98,000**	NA	NA	NA	NA
MW-3	10/3/2000	120	83,000	<500	<500	<500	<500	33,000	<2,500	<2,500	<2,500	<10,000	---	---	---	---
	10/27/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1/26/2001	900*	230,000	930	<500	<500	<500	330,000	<25,000	<25,000	<25,000	<100,000	---	---	---	---
	5/8/2001	1,100*	95,000	840	<250	<250	<250	390,000	<12,500	<12,500	<12,500	<50,000	---	---	---	---
	8/3/2001	290*	30,000*	<50	51	<50	<50	270,000	<12,500	<12,500	<12,500	<50,000	---	---	---	---
	7/1/2003	620	<50,000	<500	<500	<500	<500	230,000	<500	<500	1,800	<5,000	---	---	---	---
	10/1/2003	370	<20,000	<200	<200	<200	<200	120,000	<200	<200	1,200	<5,000	---	---	---	---
	2/13/2004	430	<20,000	280	<200	<200	<200	210,000	<200	<200	1,200	<5,000	---	---	---	---
	5/17/2004	920	<25,000	<250	<250	<250	<250	150,000	<250	<250	1,100	5,600J	---	---	---	---
	8/6/2004	78	<20,000	<200	<200	<200	<200	110,000	<200	<200	760	<2,500	---	---	---	---
	11/12/2004	120	<20,000	<200	<200	<200	<200	100,000	<200	<200	660	6,000	---	---	---	---
	2/15/2005	130	<25,000	<250	<250	<250	<250	110,000	<250	<250	760	12,000	---	---	---	---
	5/9/2005	320	<15,000	<150	<150	<150	<150	97,000	<150	<150	780	30,000	---	---	---	---

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Eagle Gas
4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
cont'd	8/8/2005	180	<15,000	<150	<150	<150	<150	75,000	<150	<150	500	44,000	---	---	---	---
MW-3	11/16/2005	<200	<5,000	<50	<50	<50	<50	37,000	<50	<50	190	38,000	<5,000	<500	<50	<50
	2/22/2006	<600	<5,000	88	<50	<50	<50	57,000	<50	<50	420	65,000	<9,000	<500	<50	<50
	5/16/2006	<600^	<9,000	110	<90	<90	<90	42,000	<90	<90	340	68,000	<9,000	<900	<90	<90
	8/23/2006	<200^	<4,000	<40	<40	<40	<40	18,000	<40	<40	120	60,000	<4,000	<400	<40	<40
	11/13/2006	NA	<2,000	<20	<20	<20	<20	6,100	<20	<20	30	54,000	NA	NA	NA	NA
	2/13/2007	<200^	<4,000	52	<40	<40	<40	13,000	<40	<40	82	65,000	NA	NA	NA	NA
	5/15/2007	<300^	<4,000	67	<40	<40	<40	12,000	<40	<40	77	71,000	NA	NA	NA	NA
	8/15/2007	<200^	<4,000	42	<40	<40	<40	4,500	<40	<40	<40	64,000	NA	NA	NA	NA
	11/14/2007	<100	<2,000	27	<20	<20	<20	3,300	25	<20	<20	49,000	NA	NA	NA	NA
	2/19/2008	<300	<2,000	64	<20	<20	<20	3,500	<20	<20	31	52,000	NA	NA	NA	NA
	6/25/2008	**140**	<2,000	<20	<20	<20	<20	**1,100**	<20	<20	<20	**54,000**	NA	NA	NA	NA
MW-4	2/22/2006	<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
	5/16/2006	3,800	<70,000	2,100	<700	930	1,500	410,000	<700	<700	2,500	110,000	<70,000	<7,000	<700	<700
	8/23/2006	8,400	89,000	4,500	<700	2,100	2,800	870,000	<700	<700	4,000	89,000	<70,000	<7,000	<700	<700
	11/13/2006	NA	<150,000	3,700	<1,500	<1,500	2,400	950,000	<1,500	<1,500	4,000	110,000	NA	NA	NA	NA
	2/13/2007	2,000	<150,000	2,000	<1,500	<1,500	<1,500	640,000	<1,500	<1,500	2,900	130,000	NA	NA	NA	NA
	5/16/2007	1,900 ^^	<70,000	3,200	<700	1,000	940	430,000	<700	<700	2,300	160,000	NA	NA	NA	NA
	8/16/2007	4,400	<150,000	2,400	<1,500	<1,500	<1,500	630,000	<1,500	<1,500	4,300	130,000	NA	NA	NA	NA
	11/16/2007	2,200	<70,000	4,900	<700	1,000	<700	620,000	<700	<700	3,600	150,000	NA	NA	NA	NA
	2/19/2008	3,200	<70,000	3,900	<700	1,400	<1,500	350,000	<700	<700	2,100	130,000	<70,000	<7.000	NA	NA
	6/25/2008	**13,000**	<70,000	**4,000**	<700	<700	<700	**360,000**	<700	<700	**2,300**	**330,000**	NA	NA	NA	NA
MW-4D	2/21/2006	<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
	5/16/2006	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50
	8/23/2006	<50	<50	<0.50	<0.50	<0.50	<0.50	1	<0.50	<0.50	<0.50	<5.0	93	8	<0.50	<0.50
	11/13/2006	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	2/13/2007	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	5/15/2007	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	8/15/2007	130 ^^	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	11/13/2007	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	11/27/2007	No groundwater samples collected														
	2/29/2008	170	<50	<0.50	<0.50	<0.50	<1.0	0.64	<0.50	<0.50	<0.50	<5.0	<50	<5.0	NA	NA
	6/25/2008	<50	<50	<0.50	<0.50	<0.50	<0.50	**7.9**	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Eagle Gas
4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
MW-5	2/21/2006	<3,000	<10,000	460	<100	170	<100	480,000	<100	<100	3,000	95,000	<90,000	<1,000	<100	<100
	5/16/2006	1,600	<90,000	<900	<900	<900	<900	480,000	<900	<900	2,300	130,000	<90,000	<9,000	<900	<900
	8/23/2006	1,400	<90,000	<900	<900	<900	<900	510,000	<900	<900	2,400	270,000	<90,000	<9,000	<900	<900
	11/13/2006	NA	<90,000	<900	<900	<900	<900	430,000	<900	<900	2,200	350,000	NA	NA	NA	NA
	2/13/2007	1,000	<50,000	<500	<500	<500	<500	260,000	<500	<500	740	350,000	NA	NA	NA	NA
	5/16/2007	2,200 ^^	<15,000	650	<150	<150	<150	73,000	<150	<150	610	240,000	NA	NA	NA	NA
	8/16/2007	950	<25,000	<250	<250	<250	<250	130,000	<250	<250	550	620,000	NA	NA	NA	NA
	11/16/2007	800	<15,000	<150	<150	<150	<150	92,000	<150	<150	250	300,000	NA	NA	NA	NA
	2/19/2008	3,400	<15000	160	<150	<150	<150	38,000	<150	<150	<150	480,000	NA	NA	NA	NA
	6/25/2008	**850**	<15,000	<150	<150	<150	<150	**33,000**	<150	<150	<150	**520,000**	NA	NA	NA	NA
MW-5D	2/21/2006	<50	<50	<0.50	<0.50	<0.50	<0.50	8	<0.50	<0.50	<0.50	6	<50	<5.0	<0.50	<0.50
	5/16/2006	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<5.0	<0.50	<0.50
	8/23/2006	<50	<50	<0.50	<0.50	<0.50	<0.50	56	<0.50	<0.50	<0.50	<5.0	120	6	<0.50	<0.50
	11/13/2006	NA	<50	<0.50	<0.50	<0.50	<0.50	81	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	2/13/2007	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	5/15/2007	<50	<50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	8/15/2007	330 ^^	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
	11/13/2007	3,700	51	<0.50	<0.50	<0.50	<0.50	3.1	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	NA
	11/27/2007	No groundwater samples collected														
	2/19/2008	12,000	<50	<0.50	<0.50	<0.50	<0.50	190	<0.50	<0.50	0.83	36	NA	NA	NA	NA
	6/25/2008	**74**	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA
MW-6	2/22/2006	2,900	<10,000	620	<100	<100	<100	50,000	<100	<100	210	24,000	<10,000	<1,000	<100	<100
	5/16/2006	3,200	<9,000	1,500	<90	<90	<90	50,000	<90	<90	280	27,000	<10,000	<900	<90	<90
	8/23/2006	3,400	<9,000	1,600	<90	<90	<90	39,000	<90	<90	190	55,000	<9,000 ++	<900	<90	<90
	11/13/2006	NA	<5,000	1,200	<50	<50	<50	17,000	<50	<50	66	71,000	NA	NA	NA	NA
	2/13/2007	2,400	4,900	1,800	<25	<25	<25	14,000	<25	<25	65	55,000	NA	NA	NA	NA
	5/15/2007	2,600	4,900	1,900	21	<20	<20	12,000	<20	<20	55	60,000	NA	NA	NA	NA
	8/15/2007	2,900	4,000	1,300	<20	<20	<20	7,000	<20	<20	32	69,000	NA	NA	NA	NA
	11/14/2007	2,400	5,400	2,000	<20	<20	<20	3,300	<20	<20	<20	63,000	NA	NA	NA	NA
	2/19/2008	2,300	2,000	660	6.7	<1.5	4.6	280	<1.5	<1.5	1.7	4,500	NA	NA	NA	NA
	6/25/2008	**2,500**	**2,700**	**880**	<20	<20	<20	**1,400**	<20	<20	<20	**74,000**	NA	NA	NA	NA
MW-7	2/22/2006	400	<10,000	<100	<100	<100	<100	88,000	<100	<100	430	90,000	<10,000	<1,000	<100	<100
	5/16/2006	340	<5,000	<50	<50	<50	<50	28,000	<50	<50	120	47,000	<5,000	<500	<50	<50

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GROUNDWATER SAMPLE ANALYTICAL RESULTS
Eagle Gas
4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
cont'd	8/23/2006	280	<9,000	<90	<90	<90	<90	62,000	<90	<90	280	160,000	<18,000++	<900	<90	<90
MW-7	11/13/2006	NA	<9,000	<90	<90	<90	<90	49,000	<90	<90	280	130,000	NA	NA	NA	NA
	2/13/2007	210	<7,000	<70	<70	<70	<70	33,000	<70	<70	170	130,000	NA	NA	NA	NA
	5/15/2007	250	<5,000	<50	<50	<50	<50	36,000	<50	<50	190	140,000	NA	NA	NA	NA
	8/15/2007	390	<9,000	<90	<90	<90	<90	37,000	<90	<90	170	160,000	NA	NA	NA	NA
	11/14/2007	310	<9,000	<90	<90	<90	<90	45,000	<90	<90	220	150,000	NA	NA	NA	NA
	2/19/2008	190	<500	<5.0	<5.0	<5.0	<5.0	3,000	<5.0	<5.0	15	13,000	NA	NA	NA	NA
	6/25/2008	**240**	<4,000	<40	<40	<40	<40	**21,000**	<40	<40	**99**	**100,000**	NA	NA	NA	NA
MW-7D	11/13/2007	760	<150	<1.5	<1.5	<1.5	<1.5	760	<1.5	<1.5	5.3	7.7J	<150	31	<1.5	<1.5
	11/27/2007	No groundwater samples collected														
	2/19/2008	280	<150	<1.5	<1.5	<1.5	2.4	1,000	<1.5	<1.5	7.5	17J	NA	NA	NA	NA
	6/25/2008	**92**	<100	<1.0	<1.0	<1.0	<1.0	**690**	<1.0	<1.0	**5.9**	**63**	NA	NA	NA	NA
MW-8	2/22/2006	6,800	<10,000	1,200	<100	270	220	400,000	<100	<100	2,100	63,000	<300,000	<1,000	<100	<100
	5/16/2006	3,800	<90,000	1,600	<900	<900	<900	620,000	<900	<900	3,000	46,000	<90,000	<9,000	<900	<900
	8/23/2006	17,000	<90,000	940	<900	<900	<900	340,000	<900	<900	1,200	74,000	<90,000	<9,000	<900	<900
	11/13/2006	NA	<25,000	490	<250	<250	<250	120,000	<250	<250	360	130,000	NA	NA	NA	NA
	2/13/2007	4,100	<90,000	1,700	<900	<900	<900	410,000	<900	<900	1,700	160,000	NA	NA	NA	NA
	5/16/2007	3,300	<50,000	650	<500	<500	<500	190,000	<500	<500	750	170,000	NA	NA	NA	NA
	8/16/2007	4,400	<25,000	420	<250	<250	<250	150,000	<250	<250	460	210,000	NA	NA	NA	NA
	11/16/2007	89,000	<25,000	<250	<250	<250	<250	120,000	<250	<250	<250	250,000	NA	NA	NA	NA
	2/19/2008	120,000	<10000	650	<100	<100	160	56,000	<100	<100	210	260,000	NA	NA	NA	NA
	6/25/2008	**3,200**	<15,000	**210**	<150	<150	<150	**70,000**	<150	<150	**190**	**320,000**	NA	NA	NA	NA
IS-1	2/22/2006	4,400	<5,000	160	<50	<50	<50	21,000	<50	<50	64	130,000	<5,000	<500	<50	<50
	5/16/2006	3,800	<5,000	150	<50	<50	<50	24,000	<50	<50	58	130,000	<5,000	<500	<50	<50
	8/23/2006	3,800	<5,000	65	<50	<50	<50	5,800	<50	<50	<50	110,000	<5,000	<500	<50	<50
	11/13/2006	NA	<5,000	<50	<50	<50	<50	1,000	<50	<50	<50	100,000	NA	NA	NA	NA
	2/13/2007	1,800	<4,000	<40	<40	<40	<40	3,600	<40	<40	<40	110,000	NA	NA	NA	NA
	5/15/2007	2,000	<4,000	49	<40	<40	<40	2,800	<40	<40	<40	98,000	NA	NA	NA	NA
	8/15/2007	2,700	<4,000	<40	<40	<40	<40	4,200	<40	<40	<40	90,000	NA	NA	NA	NA
	11/13/2007	1,400	<700	<7.0	<7.0	<7.0	<7.0	470	<7.0	<7.0	<7.0	25,000	NA	NA	NA	NA
	2/19/2008	1,800	410	2.0	<0.50	<0.50	<0.50	1,000	<0.50	1.8	2.7	80,000	NA	NA	NA	NA
	6/25/2008	**2,500**	<4,000	<40	<40	<40	<40	**3,300**	<40	<40	<40	**94,000**	NA	NA	NA	NA

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4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
IS-2	2/22/2006	<4,000	8,600	1,200	<9.0	240	17	190,000	<9.0	9	1,700	29,000	<150,000	<90	<9.0	<9.0
	5/16/2006	<3,000^	<15,000	500	<150	<150	<150	130,000	<150	<150	880	24,000	<15,000	<1,500	<150	<150
	8/23/2006	2,700	<40,000	490	<400	<400	<400	150,000	<400	<400	1,200	39,000	<40,000++	<4,000	<400	<400
	11/13/2006	NA	<40,000	<400	<400	<400	<400	160,000	<400	<400	990	120,000	NA	NA	NA	NA
	2/13/2007	<1,500^	<5,000	230	<50	<50	<50	28,000	<50	<50	250	72,000	NA	NA	NA	NA
	5/15/2007	<3,000^	<7,000	690	<70	120	<70	35,000	<70	<70	370	32,000	NA	NA	NA	NA
	8/15/2007	<3,000^	<7,000	500	<70	<70	<70	20,000	<70	<70	160	160,000	NA	NA	NA	NA
	11/14/2007	<4,000	15,000	1,100	<70	240	<70	29,000	<70	<70	380	25,000	NA	NA	NA	NA
	2/19/2008	<3000	5,300	550	5.0	32	7.6	7,400	<0.50	3.2	94	65,000	NA	NA	NA	NA
	6/25/2008	**4,300**	**5,500**	**440**	<40	<40	<40	**3,100**	<40	<40	<40	**110,000**	NA	NA	NA	NA
IS-3	2/22/2006	<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
	5/16/2006	8,000	<20,000	1,110	<200	450	<200	300,000	<200	<200	1,600	65,000	<20,000	<2,000	<200	<200
	8/23/2006	4,800	<50,000	2,900	<500	1,100	660	970,000	<500	<500	3,900	54,000	<50,000	<5,000	<500	<500
	11/13/2006	NA	<200,000	2,800	<2,000	<2,000	<2,000	1,100,000	<2,000	<2,000	4,500	65,000	NA	NA	NA	NA
	2/13/2007	<3,000	<150,000	3,200	<1,500	<1,500	<1,500	600,000	<1,500	<1,500	3,300	49,000	NA	NA	NA	NA
	5/16/2007	<4,000^	<150,000	2,900	<1,500	<1,500	<1,500	630,000	<1,500	<1,500	3,400	88,000	NA	NA	NA	NA
	8/15/2007	<3,000^	<150,000	2,800	<1,500	<1,500	<1,500	960,000	<1,500	<1,500	4,300	98,000	NA	NA	NA	NA
	11/14/2007	1,900	<150,000	2,600	<1,500	<1,500	<1,500	880,000	2,000	<1,500	3,600	130,000	NA	NA	NA	NA
	2/19/2008	1,200	2,700	660	4.8	160	<150	32,000	0.63	1.8	200	3,600	NA	NA	NA	NA
	6/25/2008	**3,500**	<150,000	**3,600**	<1,500	<1,500	<1,500	**840,000**	<1,500	<1,500	**4,000**	**200,000**	NA	NA	NA	NA
IS-4	2/22/2006	3,100	11,000	790	<100	120	<100	280,000	<100	<100	2,400	51,000	<10,000	<1,000	<100	<100
	5/16/2006	5,600	<15,000	610	<150	<150	<150	220,000	<150	<150	1,700	53,000	<15,000	<1,500	<150	<150
	8/23/2006	4,300	6,100	280	<40	<40	<40	270,000	<40	<40	1,600	100,000	<80,000++	<400	<40	<40
	11/13/2006	NA	<50,000	<500	<500	<500	<500	230,000	<500	<500	1,100	220,000	NA	NA	NA	NA
	2/13/2007	1,500	<25,000	380	<250	<250	<250	160,000	<250	<250	570	250,000	NA	NA	NA	NA
	5/15/2007	1,700	<25,000	<250	<250	<250	<250	150,000	<250	<250	820	260,000	NA	NA	NA	NA
	8/15/2007	1,000	<15,000	<150	<150	<150	<150	85,000	<150	<150	360	280,000	NA	NA	NA	NA

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Eagle Gas
4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
con'd	11/14/2007	760	<9,000	<90	<90	<90	<90	45,000	<90	<90	220	110,000	NA	NA	NA	NA
IS-4	2/19/2008	1,100	980	39	0.94	3.1	1.2	870	<0.50	3.4	7.6	42,000	NA	NA	NA	NA
	6/25/2008	**4,000**	<9,000	<90	<90	<90	<90	**6,300**	<90	<90	<90	**300,000**	NA	NA	NA	NA
IS-5	2/22/2006	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
	5/16/2006	11000+	33,000	2,800	<200	1,700	1,900	350,000	<200	<200	3,400	29,000	<20,000	<2,000	<200	<200
	8/23/2006	11,000	71,000	5,200	<500	6,200	4,500	350,000	<500	<500	3,900	32,000	<50,000	<5,000	<500	<500
	11/13/2006	NA	<50,000	930	<500	<500	<500	440,000	<500	<500	2,800	89,000	NA	NA	NA	NA
	2/13/2007	<5,000	<50,000	3,600	<500	2,200	3,800	240,000	<500	<500	3,600	28,000	NA	NA	NA	NA
	5/16/2007	<5,000^	<50,000	4,500	<500	<500	<500	200,000	<500	<500	2,700	24,000	NA	NA	NA	NA
	8/15/2007	<10,000^	<50,000	4,300	<500	2,100	990	310,000	<500	<500	3,400	48,000	NA	NA	NA	NA
	11/16/2007	<5,000	<50,000	2,100	<500	1,900	3,600	260,000	<500	<500	2,600	55,000	NA	NA	NA	NA
	2/19/2008	<18,000	73,000	5,200	67	2,800	5,300	110,000	1.9	8.3	2,500	250,000	NA	NA	NA	NA
	6/25/2008	**27,000**	<50,000	**3,400**	<500	**740**	**1,300**	**180,000**	<500	<500	**2,600**	**94,000**	NA	NA	NA	NA
IS-6	2/22/2006	3,000	11,000	1,000	<100	560	180	130,000	<100	<100	1,400	210,000	<15,000	<1,000	<100	<100
	5/16/2006	3,300	<20,000	1,300	<200	730	<200	96,000	<200	<200	1,300	260,000	<25,000	<2,500	<200	<200
	8/23/2006	2,900	<20,000	580	<200	<200	<200	54,000	<200	<200	500	370,000	<20,000	<2,000	<200	<200
	11/13/2006	NA	<9,000	220	<90	<90	<90	20,000	<90	<90	170	260,000	NA	NA	NA	NA
	2/13/2007	1,600	<9,000	360	<90	<90	<90	28,000	<90	<90	210	310,000	NA	NA	NA	NA
	5/16/2007	1,700	9,100	1,400	<70	300	<70	21,000	<70	<70	240	240,000	NA	NA	NA	NA
	8/15/2007	1,700	<9,000	560	<90	<90	<90	8,000	<90	<90	100	220,000	NA	NA	NA	NA
	11/14/2007	880	<5,000	200	<50	<50	<50	3,700	<50	<50	<50	190,000	NA	NA	NA	NA
	2/19/2008	1,200	3,500	360	2.3	41	1.6	6,100	0.66	8.6	55	220,000	NA	NA	NA	NA
	6/25/2008	**1,900**	<7,000	**200**	<70	<70	<70	**1,600**	<70	<70	<70	**250,000**	NA	NA	NA	NA
EW-1	2/22/2006	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
	5/16/2006	1,600	<100,000	2,000	<1,000	<1,000	<1,000	630,000	<1,000	<1,000	4,700	57,000	<100,000	<10,000	<1,000	<1,000
	8/23/2006	2,600	<150,000	2,200	<1,500	<1,500	<1,500	1,000,000	<1,500	<1,500	5,200	79,000	<150,000	<15,000	<1,500	<1,500
	11/13/2006	NA	<100,000	<1,000	<1,000	<1,000	<1,000	610,000	<1,000	<1,000	4,000	110,000	NA	NA	NA	NA
	2/13/2007	840	<70,000	1,200	<700	<700	<700	530,000	<700	<700	2,500	100,000	NA	NA	NA	NA
	5/16/2007	1,500	<70,000	1,700	<700	<700	<700	990,000	<700	<700	3,900	150,000	NA	NA	NA	NA
	8/16/2007	1,400	<80,000	1,900	<800	<800	<800	680,000	<800	<800	3,400	210,000	NA	NA	NA	NA
	11/16/2007	860	<70,000	<700	<700	<700	<700	440,000	<700	<700	1,700	280,000	NA	NA	NA	NA
	2/19/2008	800	<25000	340	1.5	<250	<250	300,000	<5.0	26	1,200	340,000	NA	NA	NA	NA
	6/25/2008	**1,200**	<40,000	**580**	<400	<400	<400	**260,000**	<400	<400	**1,100**	**450,000**	NA	NA	NA	NA

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS
Eagle Gas
4301 San Leandro Street
Oakland, California

Sample Name	Sample Date	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)
ESL (µg/L)		640	500	46	130	290	100	1,800	--	--	--	18,000	--	50,000	200	150
EW-2	2/22/2006	<3,000	10,000	1,800	<100	700	670	120,000	<100	<100	1,200	36,000	<80,000	<1,000	<100	<100
	5/16/2006	<3,000^	<25,000	2,400	<250	1,110	880	180,000	<250	<250	1,400	45,000	<25,000	<2,500	<250	<250
	8/23/2006	<2,000	<25,000	1,600	<250	520	<250	120,000	<250	<250	930	35,000	<25,000	<2,500	<250	<250
	11/13/2006	NA	<10,000	610	<100	170	<100	60,000	<100	<100	380	25,000	NA	NA	NA	NA
	2/13/2007	<2,000	<15,000	1,100	<150	230	<150	81,000	<150	<150	700	49,000	NA	NA	NA	NA
	5/16/2007	<3,000^	9,900	1,700	<50	460	170	96,000	<50	<50	870	65,000	NA	NA	NA	NA
	8/16/2007	<2,000^	<15,000	1,300	<150	250	<150	100,000	<150	<150	700	75,000	NA	NA	NA	NA
	11/16/2007	<1,500	8,100	820	5.5	190	91	30000	<0.50	4.6	230	47000	NA	NA	NA	NA
	2/19/2008	<2000	11,000	1,500	<50	610	300	78,000	<50	<50	590	130,000	NA	NA	NA	NA
	6/25/2008	**1,600**	<5,000	**730**	<50	<50	<50	**11,000**	<50	<50	**120**	**130,000**	NA	NA	NA	NA

Notes:

NA Not analyzed.
TPH-d Total petroleum hydrocarbons as diesel by EPA Method 8015 (modified)
TPH-g 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
DCA 1,2-Dichloroethane
EDB 1,2-Dibromoethane
ESL Environmental Screening Levels for deep soils and groundwater that are not a current or potential source of drinking water; San Francisco Bay Regional Water Quality Control Board, February 2005
(µg/L) Micrograms per liter
See Well Gauging/Purging Calculation Data Sheets for date of depth to groundwater measurement
<50 Not detected in concentrations above indicated laboratory reporting limit.
J Estimated quantity because the MTBE-to-TBA ratio is greater than 20 to 1.
--- No samples collected, no data available
-- Not provided
* Laboratory note: "Results within quantitation range; chromatographic pattern not typical of fuel."
^ The method reporting limit for TPH-d is increased due to interference from gasoline-range hydrocarbons.
^^ Petroleum hydrocarbons reported as TPH-d do not exhibit a typical Diesel chromatogram pattern; they have a lower boiling point than typical Diesel fuel.
++ The method reporting limit has been increased due to the presence of an interfering compound.

ATTACHMENT A

Site Investigation History
Eagle Gas Station
4301 San Leandro Street
Oakland, California 94601
LOP Site ID# 2118
USTCF Claim No. 014551
Clearwater Project No. ZP046M

BACKGROUND

On April 21 and 22, 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 hydrocarbon odors were reportedly observed emanating from the excavation pit of the USTs. Five soil samples and three groundwater samples were collected from the UST excavation for confirmation sampling after completion of the UST excavation. Field observations and laboratory analysis indicated that an unauthorized release of petroleum hydrocarbons had occurred. The former UST excavation is shown in **Figure 2** of the Second Quarter 2008 Quarterly Monitoring Report and was defined by driven steel shoring installed to protect the on-site and off-site buildings prior to the field activities.

In a letter dated May 10, 1999, Alameda County Environmental Health Services (ACEH) staff recommended that the soil at the site be remediated by over-excavation and that "as much groundwater as possible" be pumped from the excavation. Approximately 800 tons of petroleum hydrocarbon-impacted soil were excavated and disposed of as Class II non-hazardous waste, and approximately 1,000 gallons of petroleum hydrocarbon-impacted groundwater were pumped and removed from the site. Groundwater did not recharge quickly after the initial pumping. Existing on-site 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) remained.

On August 4 and 5, 1999, approximately 100 linear feet of product piping were 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 August 5, 1999, six confirmation soil samples were collected along the piping trench approximately 3 feet below ground surface (bgs). In addition, one soil sample was collected from each of the four former fuel dispensers. Laboratory analytical results indicated that petroleum hydrocarbon impacts remained along the piping trenches.

On September 26, 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. The three borings were completed as groundwater-monitoring wells (**Figure 2**) using clean, flush-threaded,

2-inch diameter polyvinyl chloride (PVC) for the well casing. The construction data for these three wells are presented in **Table 1**.

On October 3 and 10, 2000, Clearwater surveyed the top-of-the-casing (TOC) elevation of 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 (µg/L) to 250,000 µg/L total petroleum hydrocarbon as gasoline (TPH-g) and 33,000 µg/L to 400,000 µg/L MTBE.

On August 3, 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 correspondence dated October 18, 2001, recommended postponing the installation of the additional off-site wells. 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 on August 3, 2001. Quarterly monitoring resumed in July 2003 and has since continued. The historical groundwater elevation and analytical results are listed in **Table 2.**

On January 9, 2004, after completing the review of the *Third Quarter 2003 Groundwater Monitoring Report*, ACEH staff requested a workplan that included additional on-site and off-site subsurface investigations to address the extent of groundwater impacts on the site. Clearwater submitted its *Interim Remedial Action Plan* (IRAP), as requested by ACEH staff, on January 14, 2004.

ACEH staff provided review comments for the IRAP and the *First Quarter 2005 Groundwater Monitoring Report* in a letter dated May 26, 2005. Pursuant to the 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.* On the basis of the recommendations made in the above-mentioned documents and correspondences, Clearwater installed 15 additional on-site wells between December 15 and December 20, 2005, and conducted Geoprobe® soil sampling from December 6 to December 9, 2005, and from March 29 to April 2, 2006. In order to monitor the extent of groundwater impacts and the magnitude of vertical migration of contaminants in deeper groundwater, two deep-zone monitoring wells (MW-4D and MW-5D) were installed. These wells were screened between 35 and 45 feet bgs. The construction data for these new wells are

presented in **Table 1**. All the wells were surveyed by Clearwater using a global positioning system (GPS) and laser level on March 16 and 28, 2006.

On the basis of apparent on-site groundwater mounding and unusually steep on-site groundwater gradients, ACEH staff requested a check of the groundwater elevation data. Each well's horizontal position was originally determined using a GPS survey in 2005. Clearwater field-checked the well locations of all the groundwater monitoring wells on August 18, 2006, using a 100-foot-long cloth tape. The horizontal distances between wells were measured, and the well positions were triangulated from these measurements. Several well locations were adjusted slightly on the base map; the revised base map with the resurveyed well locations is shown on **Figure 2** and has been used throughout reports generated since that time.

The TOC elevations of all the wells were remeasured on September 12, 2006, using a survey level and survey staff, accurate to within 1/100th of a foot. The TOC elevation for well MW-1 (northwest corner of site) was the starting datum, and the TOC elevation for all the other wells was calculated as the relative difference from MW-1's TOC elevation. The surveyed TOC elevations were compared with the previously used TOC elevations, which were determined using a laser level. The relative difference in TOC elevation for each well was determined. The maximum vertical difference was found to be 0.12 foot for well IS-3. **Table 2** presents the original elevation values up to May 9, 2005, followed by the resurveyed TOC elevations after that date. The overall groundwater gradient pattern did not significantly change after completion of the monitoring well resurvey.

Sampling analysis for *Escherichia coli* (*E. coli*), total coliform, and water treatment byproducts as residual chlorine was performed in November 2006 on groundwater samples obtained from wells IS-5, MW-8, and MW-7 in an attempt to identify whether on-site groundwater mounding could be caused by water and/or sewer line leaks; both *E. coli* and total coliform were present in IS-5 and MW-8, and water treatment byproducts were present in IS-5, MW-8, and MW-7. Leak testing was performed, and both a crack and an off-set in the sewer line were identified to exist near well IS-1. The sampling results for the *E. coli*, total coliform, and water treatment byproducts were reported in the *Quarterly Groundwater Monitoring Report - Fourth Quarter 2006*, and the sewer line leak test results were reported in the *Quarterly Groundwater Monitoring Report - First Quarter 2007.*

On May 30, 2006, Clearwater submitted its *Soil and Groundwater Investigation Report* to the ACEH, which included an updated Site Conceptual Model for the site. In response to the report, ACEH requested a Workplan to present proposed additional on- and off-site investigations. ACEH staff also provided Technical Comments to be addressed in the Workplan. Clearwater's *Response to Comments* was sent to ACEH on July 7, 2006. ACEH responded with an August 11, 2006, letter with revised Technical Comments to be incorporated into the Workplan. Clearwater submitted its *Revised Workplan* to the ACEH on December 19, 2006. ACEH responded in a letter dated January 4, 2007, with Technical Comments, which were to be addressed and incorporated during the field investigation; submittal of an additional revised Workplan was not requested by ACEH staff.

A *Bioremediation Feasibility Study Report* (Feasibility Report) was submitted July 9, 2007. The Feasibility Report concluded that the bioremediation parameters suggest an environment that is generally anaerobic and reducing. It appears that the general lack of sufficient oxygen and essential nutrients is limiting the degradation of the petroleum hydrocarbons.

On August 2, 2007, Clearwater submitted the *Quarterly Groundwater Monitoring Report - Second Quarter 2007.* On October 12, 2007, Clearwater submitted the *Quarterly Groundwater Monitoring Report - Third Quarter 2007.*

Results of 2007 Soil and Groundwater Investigation

Clearwater submitted its *2007 Soil and Groundwater Investigation Report* (2007 Report) to the ACEH on December 5, 2007. The scope of work presented in the 2007 Report included an inspection of the on-site sanitary sewer lateral, driving and sampling of 15 off-site soil borings, driving of 2 cone-penetrometer test (CPT) borings, installation of additional on-site "deep-zone" groundwater monitoring wells MW-1D and MW-7D, installation and sampling of 6 shallow soil vapor wells, surveying of 8 well and 15 boring locations using a GPS, and collection of soil samples for a persulfate bench test.

The 2007 Report included a revised Site Conceptual Model (SCM). In the new SCM, the depth of the contact between the clayey gravel layer and the underlying soil has been revised. The site lithology can be conceptually divided into an upper, shallow zone and a lower, deep zone. The shallow-zone is generally more clay-rich and the deep zone is generally coarser grained. The separation between the two zones varies from 25 to 30 feet bgs. The groundwater within the shallow-zone is highly contaminated, whereas the groundwater within the deep zone is relatively less contaminated. Grab groundwater samples collected from off-site borings indicate that the groundwater contamination within both zones extends offsite and that the extent of contamination has not been defined in either zone.

Clearwater generated the groundwater elevation contour diagrams for the 2007 Report using the same depth-to-water data used for this Fourth Quarter 2007 Groundwater Monitoring Event. With this data set the groundwater elevation contour diagram for the shallow zone was consistent with previously reported quarterly groundwater elevation contour diagrams. The groundwater elevation contour diagrams for the deep zone were generated on November 13, 2007, using data from wells MW-1D, MW-4D, MW-5D, and MW-7D. Because the deep zone groundwater elevation contour pattern did not conform with the shallow zone groundwater elevation pattern, the depths to groundwater of deep zone wells were measured a second time November 27, 2007. Both sets of measurements indicated a partial groundwater depression, with a groundwater flow direction toward the north.

2008 Soil and Groundwater Investigation Work Plan

Clearwater submitted its *2008 Soil and Groundwater Investigation Work Plan* to the ACEH on July 2, 2008.

ATTACHMENT B

CLEARWATER GROUP

Groundwater Monitoring and Sampling Field Procedures

Groundwater Monitoring

Prior to beginning purging tasks or sampling, 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 are opened to allow atmospheric pressure to equalize the water levels if local groundwater is under confined or semi-confined conditions. The static water level is measured to the nearest 0.01± foot with an electronic water sounder. Depth to bottom is measured during each monitoring event, at the request of the project manager, and during Clearwater's first visit to a site. 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 Well Gauging/Purging Calculations Data Sheet.

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 discrete 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 dewaters. 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 rinseate water) are handled in one of three ways: 1) Purge and rinseate water 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 rinseate water 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 rinseate water 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 (glass or plastic ware depending on the analysis), 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 or cross 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 and 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 liquid being sampled down the inside wall 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 liquid 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 that 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 C

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

WELL GAUGING/PURGING CALCULATIONS DATA SHEET

Date: 6-25-08 | Job No.: ZP046M | Location: 4301 San Leandro St. Oakland, CA

Tech(s): Eric Austin / Diego Funes.

Drums on Site @ TOA/TOD — Soil: 0 Water: 0

Total number of DRUMS used for this event — Soil: 0 Water: 5

Well No.	Diameter (in)	DTB (ft)	DTW (ft)	ST (ft)	CV (gal)	PV (gal)	SPL (ft)	Notes
MW-5d	2 inch	42.50	14.77	27.73	4.44	13.32		
MW-4d	2 inch	42.13	16.01	26.12	4.18	12.54		
MW-1d	2 inch	43.50	14.43	29.07	4.65	13.95		
MW-1	2 inch	24.53	6.72	17.81	2.85	8.55		
IS-1	2 inch	24.86	7.04	17.82	2.85	8.55		
MW-7d	2 inch	28.30	16.36	11.94	1.91	5.73		
MW-7	2 inch	25.90	10.03	15.87	2.54	7.62		
MW-3	2 inch	23.00	11.30	11.70	1.87	5.61		

75.87

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

Well No.	Diameter (in)	DTB (ft)	DTW (ft)	ST (ft)	CV (gal)	PV (gal)	SPL (ft)	Notes 2 of 2
MW-6	2 inch	25.30	10.43	14.60	2.34	7.02		
IS-2	2 inch	25.32	7.21	18.11	2.90	8.70		
IS-4	2 inch	24.90	6.70	18.20	2.91	8.73		
IS-6	2 inch	25.35	7.07	18.28	2.92	8.76		
IS-3	2 inch	24.25	6.59	17.66	2.83	8.49		
IS-5	2 inch	14.30	7.93	6.10	0.98	2.94		
EW-2	4 inch	25.20	8.50	16.70	10.86	32.58		
MW-2	2 inch	24.59	14.63	9.96	1.59	4.77		
MW-4	2 inch	24.51	8.10	16.41	2.63	7.89		
EW-1	4 inch	25.09	8.30	16.79	10.91	32.73		
MW-5	2 inch	25.51	9.00	16.51	2.64	7.92		
MW-8	2 inch	24.60	7.59	17.01	2.72	8.16		

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

138.69
75.87
214.56 decon
40.00
254.56 ~225 gallons

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

o.: ZP046M Location: Oakland, CA. Date: 6/25/08 Sheet 1 of 10

Tech: Eric Vaughn Diego Flores

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-5d	13:30	4.00	-20.9	339	69.21	1.07	7.76	NA	NA	Sample for: Scavs TBA
Purge	13:50	9.00	-22.6	637	66.56	1.50	7.85			TPHg TPHd 8260
13.32	14:10	13.00	-28.2	698	67.55	1.79	7.58	✓	✓	BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / ~~Disp. Bailer~~

COMMENTS: color, turbidity, recharge, sheen, odor Brown, Moderate, Poor recharge, No sheen, No Odor

POST DEPTH TO WATER: 15.20 SAMPLE TIME: 14:15

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-4d	14:30	4.00	7.5	710	67.10	2.21	7.35	NA	NA	Sample for: Scavs TBA
Purge	14:45	8.00	-7.1	710	66.47	1.81	7.81			TPHg TPHd 8260
12.54	15:00	13.00	8.3	700	65.89	1.64	7.68	✓	✓	BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / ~~Disp. Bailer~~

COMMENTS: color, turbidity, recharge, sheen, odor Tan, low, Slow recharge, No sheen, No Odor

POST DEPTH TO WATER: 16.89 SAMPLE TIME: 15:15

Clearwater Group, Inc. - 229 Tewksbury Avenue, Point Richmond, California 94801
Phone : (510) 307-9943 Fax : (510) 232-2823

PURGE DATA SHEET

Job No.: ZP046m Location: Oakland, CA Sheet 2 of 10

Date: 6/25/08 Tech: Eric V. Hostetler, Diego Funez

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-1	15:30	4.00	18.5	704	67.37	1.50	7.66	NA	NA	Sample for: Sorys/TRA
Calc. purge	15:45	9.00	19.4	708	67.29	1.43	7.48	↓	↓	TPHg TPHd 8260
volume 13.95	16:00	14.00	16.6	714	68.40	1.74	7.81	↓	↓	~~BTEX~~ ~~MTBE~~ Metals

Purging Method: PVC Bailer / Pump / ~~Disp. Bailer~~

COMMENTS: color, turbidity, recharge, sheen, odor Tan, low, slow, No sheen, No odor

POST DEPTH TO WATER: 14.91 SAMPLE TIME: 16:15

Job No.: ZP046m Location: Oakland, CA

Date: 6-26-08 Tech: Eric V. Hostetler, Diego Funez

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-1	8:10	3.00	16.3	628	64.52	2.48	8.34	NA	NA	Sample for: Sorys/TRA
Calc. purge	8:25	6.00	-0.6	632	65.97	2.04	7.72	↓	↓	~~TPHg~~ ~~TPHd~~ 8260
volume 8.55	8:49	9.00	-4.4	688	64.44	1.84	8.08	↓	↓	BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / ~~Disp. Bailer~~

COMMENTS: color, turbidity, recharge, sheen, odor Gray, Low, Good, Has sheen & Has Odor

POST DEPTH TO WATER: 7.01 SAMPLE TIME: 9:00

PURGE DATA SHEET

No.: ZP046M Location: Oakland, CA Date: 6/26/08 Sheet 3 of 10

Tech: Eric V Austria Diego Funes

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
S-1	9:04	3.00	-71.1	1097	67.55	2.29	7.11	NA	NA	Sample for: 5oxys/TBA
purge	9:13	6.00	-69.1	1096	67.54	2.35	7.03			TPHg TPHd 8260
ıe 8.55	9:24	9.00	-85.1	1143	66.49	2.44	7.17			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Gray, Moderate, OK, No sheen - slight odor

POST DEPTH TO WATER: 7.13 SAMPLE TIME: 9:45

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
v-7d	9:47	2.00	-43.9	907	64.30	1.98	8.07	NA	NA	Sample for: 5oxys/TBA
ɔurge	9:55	4.00	-47.0	893	64.97	2.39	7.80			TPHg TPHd 8260
: 5.73	10:00	6.00	-46.6	890	65.73	2.22	7.70			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Brown, Moderate, poor, No sheen, No Odor

POST DEPTH TO WATER: 16.91 SAMPLE TIME: 10:15

Clearwater Group, Inc. - 229 Tewksbury Avenue, Point Richmond, California 94801
Phone : (510) 307-9943 Fax : (510) 232-2823

PURGE DATA SHEET

Job No.: ZP046m **Location:** Oakland, CA **Sheet** 4 of 10

Date: 6/26/08 **Tech:** Eric Austin / Diego Funes

WELL #	TIME	VOL. (gal.)	ORP	CND (μ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T
MW-7	10:01	3.00	-36.1	1370	66.60	2.64	7.52	NA	NA
Calc. purge	10:10	5.00	-37.8	1368	66.57	2.51	7.40	↓	↓
volume 7.62	10:21	8.00	-38.7	1366	66.53	2.50	7.31	↓	↓

Sample for: TBA/5Oxys

TPHg TPHd (circled) 8260

BTEX MTBE (circled) Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer (circled)

COMMENTS: color, turbidity, recharge, sheen, odor Clear, low, OK, No sheen, No odor

POST DEPTH TO WATER: 10.19 SAMPLE TIME: 10:30

Job No.: **Location:**

Date: **Tech:**

WELL #	TIME	VOL. (gal.)	ORP	CND (μ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T
MW-3	10:31	2.00	-48.2	783	66.81	2.26	7.66	NA	NA
Calc. purge	10:44	4.00	-49.1	776	66.92	2.26	7.48	↓	↓
volume 5.61	10:54	6.00	-57.7	777	66.96	2.96	7.30	↓	↓

Sample for: 5oxys/TBA

TPHg TPHd (circled) 8260

BTEX MTBE (circled) Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer (circled)

COMMENTS: color, turbidity, recharge, sheen, odor Lt. Gray, low, OK, No sheen & No Odor

POST DEPTH TO WATER: 11.52 SAMPLE TIME: 11:00

PURGE DATA SHEET

Job No.: 2P046M Location: 4301 San Leandro St. Oakland, CA Date: 6/26/08 Sheet 5 of 10

Tech: Eric V Austin Diego Funes

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
w-6	11:02	2.00	-84.9	1012	67.04	1.79	6.97	NA	NA	Sample for: TPH/SOxys
purge	11:10	4.00	-84.4	1011	67.10	2.01	6.94			TPHg TPHd 8260
te 7.02	11:20	7.00	-89.6	995	66.54	1.99	7.06			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Gray, Moderate, Poor, No sheen, slight odor

POST DEPTH TO WATER: 10.71 SAMPLE TIME: 11:30

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
5-2	11:35	3.00	-105.2	907	69.53	1.34	6.88	NA	NA	Sample for: TPH/SOxys
urge	11:44	6.00	-103.7	906	69.67	1.31	6.85			TPHg TPHd 8260
8.70	11:58	9.00	-102.9	905	69.77	1.30	6.83			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Gray, High, OK, Has sheen & Has odor

POST DEPTH TO WATER: 8.02 SAMPLE TIME: 12:15

Clearwater Group, Inc. - 229 Tewksbury Avenue, Point Richmond, California 94801
Phone : (510) 307-9943 Fax : (510) 232-2823

PURGE DATA SHEET

Job No.: 20046M Location: 4301 San Leandro St. Oakland, CA Date: 6/26/08 Sheet 6 of 10

Tech: Eric/Justin Disp Bailers

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
IS-4	12:20	2.00	-91.8	1040	70.46	2.23	6.91	NA	NA	Sample for: TBA/5Oxy's
Calc. purge	12:35	5.00	-90.2	1039	70.60	1.99	6.84			TPHg TPHd 8260
volume 8.73	12:50	9.00	-88.9	1038	70.60	1.90	6.81			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / ~~Disp. Bailer~~

COMMENTS: color, turbidity, recharge, sheen, odor Gray, High, Poor, No sheen - slight Odor.

POST DEPTH TO WATER: 6.98 SAMPLE TIME: 13:00

Job No.: Location: Date: Tech:

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
IS-6	13:10	3.00	-103.7	1026	68.82	2.32	7.17	NA	NA	Sample for: TBA/5Oxy's
Calc. purge	13:25	6.00	-100.2	1025	69.21	2.54	7.04			TPHg TPHd 8260
volume 8.76	13:37	9.00	-95.2	1022	69.28	3.08	6.94			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump ~~Disp. Bailer~~

COMMENTS: color, turbidity, recharge, sheen, odor Brown, Moderate, Poor, No sheen, No Odor

POST DEPTH TO WATER: 7.61 SAMPLE TIME: 13:45

PURGE DATA SHEET

Job No.: ZP046M Location: 4301 San Leandro St, Oakland, CA Date: 6/26/08 Sheet 7 of 10

Tech: Eric V/Austin Diego Funes

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
IS-3	14:00	2.00	-99.0	1091	66.24	3.38	7.27	NA	NA	Sample for: TPH/5oxys
Calc. purge	14:15	5.00	-96.4	1082	66.24	2.98	7.16			TPHg TPHd 8260
volume 8.49	14:35	8.00	-93.0	1074	66.23	2.60	7.02			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / ~~Disp. Bailer~~

COMMENTS: color, turbidity, recharge, sheen, odor Gray, High, Poor, NO Sheen, Slight Odor

POST DEPTH TO WATER: 7.01 SAMPLE TIME: 14:45

Job No.: ZP046M Location: Oakland, CA Date: 6/27/08

Tech: Eric V/Austin Diego Funes

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
IS-5	8:47	2.00	-126.5	1022	63.46	2.04	7.20	ND	ND	Sample for: TPH/5oxys
Calc. purge	8:59	5.00	-125.4	1032	63.34	2.98	7.10			TPHg TPHd 8260
olume 7.92	9:45	8.00	-121.0	1068	64.91	3.07	6.98			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / ~~Disp. Bailer~~

~~DTO~~ – DT Product – 11.66, DT-Water – 11.73

COMMENTS: color, turbidity, recharge, sheen, odor Gray, High, Very Poor Recharge, Has Sheen, Slippery, Has Odor

POST DEPTH TO WATER: 11.73 SAMPLE TIME: 9:45

PURGE DATA SHEET

No.: ZP046m Location: Oakland, CA. Date: 6/27/08 Sheet 8 of 10

Tech: Eric V. Austin, Diego Flores

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-2	10:05	11.00	-67.9	927	62.54	3.31	6.78	NA	NA	Sample for: TBA / 5 Oxys
: purge	11:15	20.00	-71.0	910	61.36	2.29	7.06			TPHg TPHd 8260
me 32.58	—	~~33.00~~	Dry	Out	— No	recharge		✓	✓	BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Gray, Moderate, Very Poor, No sheen - Slight odor

POST DEPTH TO WATER: 25.09 SAMPLE TIME: 11:30

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-2	11:33	1.00	-87.4	750	63.15	3.15	7.24	NA	NA	Sample for: TBA / 5 Oxys
purge	11:36	3.00	-81.2	761	62.19	3.10	7.09			TPHg TPHd 8260
ie 4.77	11:47	5.00	-75.4	768	62.21	3.07	7.01	✓	✓	BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Lt. Gray, low, OR, No sheen, Slight Odor

POST DEPTH TO WATER: 14.98 SAMPLE TIME: 12:00

Clearwater Group, Inc. - 229 Tewksbury Avenue, Point Richmond, California 94801
Phone : (510) 307-9943 Fax : (510) 232-2823

PURGE DATA SHEET

No.: ZP0946M Location: 4301 San Leandro St. Oakland, CA Date: 6/27/08 Sheet 9 of 10

Tech: Eric V. Austin

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-4	12:03	2.00	-92.6	1170	63.94	2.79	6.77	NA	NA	Sample for: TBA/5oxys
purge	12:08	5.00	-92.3	1171	64.32	2.54	6.74			TPHg TPHd 8260
ne 7.89	12:15	8.00	-92.6	1177	65.01	1.34	6.70			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Dark Grey, High, OK, Has Sheen, Has Odor

POST DEPTH TO WATER: 8.91 SAMPLE TIME: 12:30

WELL #	TIME	VOL. (gal.)	ORP	CND (µ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T	
MW-1	12:57	11.00	-56.8	1027	65.09	2.39	7.15	NA	NA	Sample for: TBA/5oxys
purge	13:15	22.00	-55.8	1053	64.24	2.60	6.94			TPHg TPHd 8260
32.73	14:00	33.00	-39.4	1088	65.89	2.21	7.08			BTEX MTBE Metals

Purging Method: PVC Bailer / Pump / Disp. Bailer

COMMENTS: color, turbidity, recharge, sheen, odor Gray, Moderate, Poor, No Sheen - No Odor

POST DEPTH TO WATER: 24.81 SAMPLE TIME: 14:15

Clearwater Group, Inc. - 229 Tewksbury Avenue, Point Richmond, California 94801
Phone : (510) 307-9943 Fax : (510) 232-2823

PURGE DATA SHEET

Job No.: ZP046M Location: Oakland, CA. Sheet 10 of 10

Date: 6/27/08 Tech: Eric Valentin / Diego Fanes

WELL #	TIME	VOL. (gal.)	ORP	CND (μ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T
MW-5	14:16	2.00	-79.6	1071	69.23	2.10	6.74	NA	NA
Calc. purge	14:21	5.00	-79.3	1076	69.23	2.05	6.71	↓	↓
volume 7.92	14:26	8.00	-69.3	1072	68.35	2.64	6.69	↓	↓

Sample for: TBA/5oxys

(TPHg TPHd) 8260

(BTEX MTBE) Metals

Purging Method: PVC Bailer / Pump / (Disp. Bailer)

COMMENTS: color, turbidity, recharge, sheen, odor Brown, Moderate, OK, No sheen & No Odor

POST DEPTH TO WATER: 9.72 SAMPLE TIME: 14:45

Job No.: Location:

Date: Tech:

WELL #	TIME	VOL. (gal.)	ORP	CND (μ/cm)	TMP (°F)	DO (mg/L)	pH	Fe^{2+}	Fe_T
MW-8	14:31	2.00	-65.0	1239	65.66	3.02	6.69	NA	NA
Calc. purge	14:35	5.00	-67.3	1247	65.36	2.48	6.63	↓	↓
volume 8.16	14:46	8.00	-61.6	1239	65.44	2.89	6.67	↓	↓

Sample for: TBA/5oxys

(TPHg TPHd) 8260

(BTEX MTBE) Metals

Purging Method: PVC Bailer / Pump / (Disp. Bailer)

COMMENTS: color, turbidity, recharge, sheen, odor Gray, High, Poor, Has sheen & Has Odor

POST DEPTH TO WATER: 8.84 SAMPLE TIME: 15:00

ATTACHMENT D

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Rob Nelson
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 13 Water Samples
Project Name : NAZ EAGLE GAS
Project Number : ZP046M

Dear Mr. Nelson,

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-5d** Matrix : Water Lab Number : 63485-01
Sample Date :06/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	06/30/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/30/2008
1,2-Dichloroethane-d4 (Surr)	99.1		% Recovery	EPA 8260B	06/30/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	06/30/2008
TPH as Diesel	**74**	50	ug/L	M EPA 8015	07/02/2008
Octacosane (Diesel Surrogate)	92.7		% Recovery	M EPA 8015	07/02/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-4d** Matrix : Water Lab Number : 63485-02
Sample Date :06/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Methyl-t-butyl ether (MTBE)	**7.9**	0.50	ug/L	EPA 8260B	06/30/2008
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	06/30/2008
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	06/30/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/30/2008
1,2-Dichloroethane-d4 (Surr)	94.6		% Recovery	EPA 8260B	06/30/2008
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	06/30/2008
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	07/02/2008
Octacosane (Diesel Surrogate)	95.8		% Recovery	M EPA 8015	07/02/2008

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-1d** Matrix : Water Lab Number : 63485-03
Sample Date :06/25/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**2.8**	0.50	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	07/02/2008
Octacosane (Diesel Surrogate)	96.7		% Recovery	M EPA 8015	07/02/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-1** Matrix : Water Lab Number : 63485-04
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**0.66**	0.50	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**77**	0.50	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**0.60**	0.50	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**3800**	150	ug/L	EPA 8260B	06/30/2008
TPH as Gasoline	**640**	50	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**1300**	50	ug/L	M EPA 8015	07/02/2008
Octacosane (Diesel Surrogate)	103		% Recovery	M EPA 8015	07/02/2008

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **IS-1** Matrix : Water Lab Number : 63485-05
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 40**	40	ug/L	EPA 8260B	06/30/2008
Toluene	**< 40**	40	ug/L	EPA 8260B	06/30/2008
Ethylbenzene	**< 40**	40	ug/L	EPA 8260B	06/30/2008
Total Xylenes	**< 40**	40	ug/L	EPA 8260B	06/30/2008
Methyl-t-butyl ether (MTBE)	**3300**	40	ug/L	EPA 8260B	06/30/2008
Diisopropyl ether (DIPE)	**< 40**	40	ug/L	EPA 8260B	06/30/2008
Ethyl-t-butyl ether (ETBE)	**< 40**	40	ug/L	EPA 8260B	06/30/2008
Tert-amyl methyl ether (TAME)	**< 40**	40	ug/L	EPA 8260B	06/30/2008
Tert-Butanol	**94000**	200	ug/L	EPA 8260B	06/30/2008
TPH as Gasoline	**< 4000**	4000	ug/L	EPA 8260B	06/30/2008
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	06/30/2008
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	06/30/2008
TPH as Diesel	**2500**	50	ug/L	M EPA 8015	07/02/2008
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	07/02/2008

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-7d** Matrix : Water Lab Number : 63485-06
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 1.0**	1.0	ug/L	EPA 8260B	06/30/2008
Toluene	**< 1.0**	1.0	ug/L	EPA 8260B	06/30/2008
Ethylbenzene	**< 1.0**	1.0	ug/L	EPA 8260B	06/30/2008
Total Xylenes	**< 1.0**	1.0	ug/L	EPA 8260B	06/30/2008
Methyl-t-butyl ether (MTBE)	**690**	1.0	ug/L	EPA 8260B	06/30/2008
Diisopropyl ether (DIPE)	**< 1.0**	1.0	ug/L	EPA 8260B	06/30/2008
Ethyl-t-butyl ether (ETBE)	**< 1.0**	1.0	ug/L	EPA 8260B	06/30/2008
Tert-amyl methyl ether (TAME)	**5.9**	1.0	ug/L	EPA 8260B	06/30/2008
Tert-Butanol	**63**	50	ug/L	EPA 8260B	06/28/2008
TPH as Gasoline	**< 100**	100	ug/L	EPA 8260B	06/30/2008
1,2-Dichloroethane-d4 (Surr)	95.8		% Recovery	EPA 8260B	06/30/2008
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	06/30/2008
TPH as Diesel	**92**	50	ug/L	M EPA 8015	07/02/2008
Octacosane (Diesel Surrogate)	99.3		% Recovery	M EPA 8015	07/02/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-7** Matrix : Water Lab Number : 63485-07
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Toluene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**21000**	40	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**99**	40	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**100000**	200	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 4000**	4000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**240**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	99.7		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-3** Matrix : Water Lab Number : 63485-08
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 20**	20	ug/L	EPA 8260B	07/02/2008
Toluene	**< 20**	20	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 20**	20	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 20**	20	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**1100**	20	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 20**	20	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 20**	20	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**< 20**	20	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**54000**	90	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 2000**	2000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	95.1		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**140**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-6** Matrix : Water Lab Number : 63485-09
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**880**	20	ug/L	EPA 8260B	06/30/2008
Toluene	**< 20**	20	ug/L	EPA 8260B	06/30/2008
Ethylbenzene	**< 20**	20	ug/L	EPA 8260B	06/30/2008
Total Xylenes	**< 20**	20	ug/L	EPA 8260B	06/30/2008
Methyl-t-butyl ether (MTBE)	**1400**	20	ug/L	EPA 8260B	06/30/2008
Diisopropyl ether (DIPE)	**< 20**	20	ug/L	EPA 8260B	06/30/2008
Ethyl-t-butyl ether (ETBE)	**< 20**	20	ug/L	EPA 8260B	06/30/2008
Tert-amyl methyl ether (TAME)	**< 20**	20	ug/L	EPA 8260B	06/30/2008
Tert-Butanol	**74000**	400	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**2700**	2000	ug/L	EPA 8260B	06/30/2008
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	06/30/2008
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	06/30/2008
TPH as Diesel	**2500**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **IS-2** Matrix : Water Lab Number : 63485-10
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**440**	40	ug/L	EPA 8260B	07/02/2008
Toluene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**3100**	40	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**110000**	200	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**5500**	4000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	97.2		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**4300**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	93.6		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **IS-4** Matrix : Water Lab Number : 63485-11
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 90**	90	ug/L	EPA 8260B	07/02/2008
Toluene	**< 90**	90	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 90**	90	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 90**	90	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**6300**	90	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 90**	90	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 90**	90	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**< 90**	90	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**300000**	500	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 9000**	9000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	99.5		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**4000**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	97.8		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **IS-6** Matrix : Water Lab Number : 63485-12
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**200**	70	ug/L	EPA 8260B	07/02/2008
Toluene	**< 70**	70	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 70**	70	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 70**	70	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**1600**	70	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 70**	70	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 70**	70	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**< 70**	70	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**250000**	400	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 7000**	7000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	99.9		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**1900**	50	ug/L	M EPA 8015	07/01/2008
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	07/01/2008

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 63485
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **IS-3** Matrix : Water Lab Number : 63485-13
Sample Date :06/26/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**3600**	1500	ug/L	EPA 8260B	07/02/2008
Toluene	**< 1500**	1500	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 1500**	1500	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 1500**	1500	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**840000**	1500	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 1500**	1500	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 1500**	1500	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**4000**	1500	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**200000**	7000	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 150000**	150000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**3500**	50	ug/L	M EPA 8015	07/01/2008
Octacosane (Diesel Surrogate)	115		% Recovery	M EPA 8015	07/01/2008

Approved By: Joel Kiff

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

Report Number : 63485

Date : 07/07/2008

QC Report : Method Blank Data

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	06/30/2008
Octacosane (Diesel Surrogate)	115		%	M EPA 8015	06/30/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/30/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	06/30/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/30/2008
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	06/30/2008
Toluene - d8 (Surr)	101		%	EPA 8260B	06/30/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	07/01/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/01/2008
1,2-Dichloroethane-d4 (Surr)	106		%	EPA 8260B	07/01/2008
Toluene - d8 (Surr)	102		%	EPA 8260B	07/01/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	07/01/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/01/2008
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	07/01/2008
Toluene - d8 (Surr)	99.2		%	EPA 8260B	07/01/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	07/01/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	07/01/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/01/2008
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	07/01/2008
Toluene - d8 (Surr)	100		%	EPA 8260B	07/01/2008

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 63485

Date : 07/07/2008

QC Report : Method Blank Data

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Approved By: Joel Kiff

Report Number : 63485

Date : 07/07/2008

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

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	63485-01	<0.50	40.0	40.0	39.4	39.7	ug/L	EPA 8260B	6/30/08	98.3	99.1	0.786	70-130	25
Methyl-t-butyl ether	63485-01	<0.50	40.0	40.0	38.2	38.7	ug/L	EPA 8260B	6/30/08	95.6	96.8	1.30	70-130	25
Tert-Butanol	63485-01	<5.0	200	200	200	195	ug/L	EPA 8260B	6/30/08	100	97.8	2.51	70-130	25
Toluene	63485-01	<0.50	39.5	39.5	40.4	40.4	ug/L	EPA 8260B	6/30/08	102	102	0.0845	70-130	25
Benzene	63495-05	<0.50	40.1	40.0	38.9	38.8	ug/L	EPA 8260B	7/1/08	96.9	96.9	0.0409	70-130	25
Methyl-t-butyl ether	63495-05	<0.50	40.1	40.0	35.9	35.6	ug/L	EPA 8260B	7/1/08	89.6	88.9	0.838	70-130	25
Tert-Butanol	63495-05	<5.0	200	200	205	209	ug/L	EPA 8260B	7/1/08	102	105	1.96	70-130	25
Toluene	63495-05	<0.50	39.5	39.5	40.5	40.1	ug/L	EPA 8260B	7/1/08	102	102	0.743	70-130	25
Benzene	63531-03	<0.50	40.1	40.1	39.7	39.9	ug/L	EPA 8260B	7/1/08	98.9	99.5	0.660	70-130	25
Methyl-t-butyl ether	63531-03	<0.50	40.1	40.1	37.5	37.2	ug/L	EPA 8260B	7/1/08	93.6	92.8	0.842	70-130	25
Tert-Butanol	63531-03	<5.0	200	200	195	192	ug/L	EPA 8260B	7/1/08	97.5	96.1	1.53	70-130	25
Toluene	63531-03	<0.50	39.5	39.5	39.6	39.5	ug/L	EPA 8260B	7/1/08	100	99.8	0.323	70-130	25
Benzene	63531-01	<0.50	40.1	40.1	33.8	34.8	ug/L	EPA 8260B	7/1/08	84.3	86.8	2.97	70-130	25
Methyl-t-butyl ether	63531-01	4.6	40.1	40.1	42.7	43.6	ug/L	EPA 8260B	7/1/08	95.0	97.2	2.36	70-130	25
Tert-Butanol	63531-01	<5.0	200	200	176	182	ug/L	EPA 8260B	7/1/08	88.2	91.3	3.40	70-130	25
Toluene	63531-01	<0.50	39.5	39.5	34.4	35.6	ug/L	EPA 8260B	7/1/08	87.1	90.0	3.31	70-130	25
Tert-Butanol	63455-02	<5.0	200	200	203	201	ug/L	EPA 8260B	6/27/08	102	101	1.00	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 63485

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

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	1070	1040	ug/L	M EPA 8015	6/30/08	107	104	2.68	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 63485

Date : 07/07/2008

QC Report : Laboratory Control Sample (LCS)

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.1	ug/L	EPA 8260B	6/30/08	97.4	70-130
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	6/30/08	100	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/30/08	94.1	70-130
Toluene	39.5	ug/L	EPA 8260B	6/30/08	103	70-130
Benzene	40.1	ug/L	EPA 8260B	7/1/08	98.7	70-130
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	7/1/08	97.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/1/08	93.2	70-130
Toluene	39.5	ug/L	EPA 8260B	7/1/08	104	70-130
Benzene	40.1	ug/L	EPA 8260B	7/1/08	97.4	70-130
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	7/1/08	91.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/1/08	96.6	70-130
Toluene	40.1	ug/L	EPA 8260B	7/1/08	98.9	70-130
Benzene	40.2	ug/L	EPA 8260B	7/1/08	94.2	70-130
Methyl-t-butyl ether	40.3	ug/L	EPA 8260B	7/1/08	99.4	70-130
Tert-Butanol	201	ug/L	EPA 8260B	7/1/08	101	70-130
Toluene	40.2	ug/L	EPA 8260B	7/1/08	98.7	70-130
Tert-Butanol	199	ug/L	EPA 8260B	6/27/08	99.5	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

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

SRG # / Lab No. 23485

Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Rob Nelson	California EDF Report? ☒ Yes ☐ No
Company / Address: Clearwater group	Sampling Company Log Code: CWGO
Phone #: 510-307-9947 / Fax #: 510-232-2823	Global ID: T0605300219
Project #: ZP046M / P.O. #:	EDF Deliverable To (Email Address): efigo@clearwatergroup.com
Project Name: NA2 eagle Grs	Sampler Signature: Eric V. Austin
Project Address: 4301 San Leandro Oakland, CA	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	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)	TBA	TAT	For Lab Use Only
MW-5d	6/25	1415	6					6			6				X	X	X	X							X				X	☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk	01
MW-4d	↓	15:15						↓			↓				↓	↓	↓	↓							↓				↓			02
MW-1d	↓	1615						↓			↓				↓	↓	↓	↓							↓				↓			03

Relinquished by:	Date	Time	Received by:
Eric V. Austin	6-26-08	6:00	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	062708	1029	kiff analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
5.8	PMH	062708	1420	IR1	Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

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

SRG # / Lab No. 63485

Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Rob Nelson	California EDF Report? ☒ Yes ☐ No
Company / Address: Clearwater Group 229 Tewksbury Ave, Richmond, CA	Sampling Company Log Code: CWGO
Phone #: 510-307-9945 / Fax #: 510-237-2823	Global ID: T0605700219
Project #: ZP046M / P.O. #:	EDF Deliverable To (Email Address): gfisco@clearwatergroup.com
Project Name: NO2 Eagle Gas	Sampler Signature: Eric V. Austin
Project Address: 4301 San Leandro St, Oakland, CA	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	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)	TBA	For Lab Use Only
MW-1	6-26-08	9:00	6					6			6				X	X	X	X						X				X		04
IS-1		9:45																											05
MW-7d		10:15																											06
MW-7		10:30																											07
MW-3		11:00																											08
MW-6		11:30																											09
IS-2		12:15																											10
IS-4		13:00																											11
IS-6		13:45																											12
IS-3		14:45																											13

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☑ 1 wk

Relinquished by:	Date	Time	Received by:
Eric V. Austin	6/26/08		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	062708	1029	kiff analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

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

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Rob Nelson
Clearwater Group, Inc.
229 Tewksbury Avenue
Point Richmond, CA 94801

Subject : 7 Water Samples
Project Name : NAZ EAGLE GAS
Project Number : ZP046M

Dear Mr. Nelson,

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

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **IS-5** Matrix : Water Lab Number : 63526-01
Sample Date :06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**3400**	500	ug/L	EPA 8260B	07/02/2008
Toluene	**< 500**	500	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**740**	500	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**1300**	500	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**180000**	500	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 500**	500	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 500**	500	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**2600**	500	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**94000**	2500	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 50000**	50000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	95.0		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**27000**	50	ug/L	M EPA 8015	07/03/2008
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel.)					
Octacosane (Diesel Surrogate)	115		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **EW-2** Matrix : Water Lab Number : 63526-02
Sample Date :06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**730**	50	ug/L	EPA 8260B	07/02/2008
Toluene	**< 50**	50	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 50**	50	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 50**	50	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**11000**	50	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 50**	50	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 50**	50	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**120**	50	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**130000**	250	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 5000**	5000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	97.4		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**1600**	50	ug/L	M EPA 8015	07/03/2008
(Note: Discrete peaks in Diesel range, atypical for Diesel Fuel.)					
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-2** Matrix : Water Lab Number : 63526-03
Sample Date :06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Toluene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**1300**	40	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**< 40**	40	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**98000**	200	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	**< 4000**	4000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**340**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-4** Matrix : Water Lab Number : 63526-04
Sample Date :06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**4000**	700	ug/L	EPA 8260B	07/03/2008
Toluene	**< 700**	700	ug/L	EPA 8260B	07/03/2008
Ethylbenzene	**< 700**	700	ug/L	EPA 8260B	07/03/2008
Total Xylenes	**< 700**	700	ug/L	EPA 8260B	07/03/2008
Methyl-t-butyl ether (MTBE)	**360000**	700	ug/L	EPA 8260B	07/03/2008
Diisopropyl ether (DIPE)	**< 700**	700	ug/L	EPA 8260B	07/03/2008
Ethyl-t-butyl ether (ETBE)	**< 700**	700	ug/L	EPA 8260B	07/03/2008
Tert-amyl methyl ether (TAME)	**2300**	700	ug/L	EPA 8260B	07/03/2008
Tert-Butanol	**330000**	4000	ug/L	EPA 8260B	07/03/2008
TPH as Gasoline	**< 70000**	70000	ug/L	EPA 8260B	07/03/2008
1,2-Dichloroethane-d4 (Surr)	96.3		% Recovery	EPA 8260B	07/03/2008
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	07/03/2008
TPH as Diesel	**13000**	50	ug/L	M EPA 8015	07/03/2008
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel.)					
Octacosane (Diesel Surrogate)	83.6		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **EW-1** Matrix : Water Lab Number : 63526-05
Sample Date :06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**580**	400	ug/L	EPA 8260B	07/03/2008
Toluene	**< 400**	400	ug/L	EPA 8260B	07/03/2008
Ethylbenzene	**< 400**	400	ug/L	EPA 8260B	07/03/2008
Total Xylenes	**< 400**	400	ug/L	EPA 8260B	07/03/2008
Methyl-t-butyl ether (MTBE)	**260000**	400	ug/L	EPA 8260B	07/03/2008
Diisopropyl ether (DIPE)	**< 400**	400	ug/L	EPA 8260B	07/03/2008
Ethyl-t-butyl ether (ETBE)	**< 400**	400	ug/L	EPA 8260B	07/03/2008
Tert-amyl methyl ether (TAME)	**1100**	400	ug/L	EPA 8260B	07/03/2008
Tert-Butanol	**450000**	2000	ug/L	EPA 8260B	07/03/2008
TPH as Gasoline	**< 40000**	40000	ug/L	EPA 8260B	07/03/2008
1,2-Dichloroethane-d4 (Surr)	97.5		% Recovery	EPA 8260B	07/03/2008
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	07/03/2008
TPH as Diesel	**1200**	50	ug/L	M EPA 8015	07/03/2008
(Note: Lower boiling hydrocarbons present, atypical for Diesel Fuel.)					
Octacosane (Diesel Surrogate)	88.2		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-5** Matrix : Water Lab Number : 63526-06
Sample Date :06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 150**	150	ug/L	EPA 8260B	07/02/2008
Toluene	**< 150**	150	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	**< 150**	150	ug/L	EPA 8260B	07/02/2008
Total Xylenes	**< 150**	150	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	**33000**	150	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	**< 150**	150	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	**< 150**	150	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	**< 150**	150	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	**520000**	1500	ug/L	EPA 8260B	07/03/2008
TPH as Gasoline	**< 15000**	15000	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	07/02/2008
TPH as Diesel	**850**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	07/03/2008

Approved By: Joel Kiff

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

Report Number : 63526
Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**
Project Number : **ZP046M**

Sample : **MW-8** Matrix : Water Lab Number : 63526-07
Sample Date :06/27/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**210**	150	ug/L	EPA 8260B	07/03/2008
Toluene	**< 150**	150	ug/L	EPA 8260B	07/03/2008
Ethylbenzene	**< 150**	150	ug/L	EPA 8260B	07/03/2008
Total Xylenes	**< 150**	150	ug/L	EPA 8260B	07/03/2008
Methyl-t-butyl ether (MTBE)	**70000**	150	ug/L	EPA 8260B	07/03/2008
Diisopropyl ether (DIPE)	**< 150**	150	ug/L	EPA 8260B	07/03/2008
Ethyl-t-butyl ether (ETBE)	**< 150**	150	ug/L	EPA 8260B	07/03/2008
Tert-amyl methyl ether (TAME)	**190**	150	ug/L	EPA 8260B	07/03/2008
Tert-Butanol	**320000**	700	ug/L	EPA 8260B	07/03/2008
TPH as Gasoline	**< 15000**	15000	ug/L	EPA 8260B	07/03/2008
1,2-Dichloroethane-d4 (Surr)	97.7		% Recovery	EPA 8260B	07/03/2008
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	07/03/2008
TPH as Diesel	**3200**	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	122		% Recovery	M EPA 8015	07/03/2008

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Report Number : 63526

Date : 07/07/2008

QC Report : Method Blank Data

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	07/01/2008
Octacosane (Diesel Surrogate)	98.5		%	M EPA 8015	07/01/2008
TPH as Diesel	< 50	50	ug/L	M EPA 8015	07/03/2008
Octacosane (Diesel Surrogate)	91.9		%	M EPA 8015	07/03/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/02/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/02/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/02/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/02/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	07/02/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	07/02/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/02/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	07/02/2008
Tert-amyl methyl ether (TAME)	< 0.50	0:50	ug/L	EPA 8260B	07/02/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/02/2008
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	07/02/2008
Toluene - d8 (Surr)	101		%	EPA 8260B	07/02/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	07/03/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	07/03/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/03/2008
1,2-Dichloroethane-d4 (Surr)	97.4		%	EPA 8260B	07/03/2008
Toluene - d8 (Surr)	101		%	EPA 8260B	07/03/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 63526

Date : 07/07/2008

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

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	973	999	ug/L	M EPA 8015	7/1/08	97.3	99.9	2.62	70-130	25
TPH as Diesel	BLANK	<50	1000	1000	930	979	ug/L	M EPA 8015	7/3/08	93.0	97.9	5.08	70-130	25
Benzene	63503-02	<0.50	40.0	40.1	36.5	36.8	ug/L	EPA 8260B	7/2/08	91.1	91.7	0.645	70-130	25
Methyl-t-butyl ether	63503-02	<0.50	40.0	40.1	35.4	34.8	ug/L	EPA 8260B	7/2/08	88.4	86.7	1.96	70-130	25
Tert-Butanol	63503-02	<5.0	200	200	196	195	ug/L	EPA 8260B	7/2/08	98.4	97.6	0.819	70-130	25
Toluene	63503-02	<0.50	39.5	39.5	37.6	37.7	ug/L	EPA 8260B	7/2/08	95.2	95.5	0.270	70-130	25
Benzene	63523-02	0.88	39.7	40.0	37.0	37.3	ug/L	EPA 8260B	7/3/08	90.8	90.9	0.0444	70-130	25
Methyl-t-butyl ether	63523-02	<0.50	39.7	40.0	31.1	30.3	ug/L	EPA 8260B	7/3/08	78.5	75.7	3.62	70-130	25
Tert-Butanol	63523-02	<5.0	198	200	203	208	ug/L	EPA 8260B	7/3/08	102	104	1.58	70-130	25
Toluene	63523-02	2.8	39.1	39.5	40.0	40.6	ug/L	EPA 8260B	7/3/08	94.9	95.9	1.04	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 63526

Date : 07/07/2008

QC Report : Laboratory Control Sample (LCS)

Project Name : **NAZ EAGLE GAS**

Project Number : **ZP046M**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.1	ug/L	EPA 8260B	7/2/08	95.5	70-130
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	7/2/08	95.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/2/08	100	70-130
Toluene	39.5	ug/L	EPA 8260B	7/2/08	99.0	70-130
Benzene	40.1	ug/L	EPA 8260B	7/3/08	91.4	70-130
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	7/3/08	77.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/3/08	101	70-130
Toluene	39.5	ug/L	EPA 8260B	7/3/08	96.3	70-130

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Approved By: Joel Kiff

KIFF Analytical LLC

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

SRG # / Lab No. 63526

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Rob Nelson	California EDF Report? ☒ Yes ☐ No
Company / Address: Pt. Richmond, CA & Clearwatergroup 229 Tewksbury Ave	Sampling Company Log Code: CWGO
Phone #: 510-307-9447 Fax #: 510-232-2623	Global ID: T0605300219
Project #: ZP046M P.O. #:	EDF Deliverable To (Email Address): gfisco@clearwatergroup.com
Project Name: NAZ Eagle Gas	Sampler Signature: Eric V. Austin
Project Address: 4301 San Leandro Oakland, CA.	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	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)	TBA	TAT: 1 Wk	For Lab Use Only
IS-5	6/27/08	9:45	6					6			6				X	X	X	X						X				X	X	01
EW-2		11:30																												02
MW-2		12:00																												03
MW-4		12:30																												04
EW-1		14:15																												05
MW-5		14:45																												06
MW-8	↓	15:00	↓					↓			↓				↓	↓	↓	↓						↓				↓	↓	07

Relinquished by:	Date	Time	Received by:
Eric V. Austin	6/27/08	1645	
	070108	0948	Kiff Analytical

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.4	NMP	070108	1410	IR-1	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

ATTACHMENT E

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	GEO_WELL
Submittal Title:	Groundwater Monitoring 2Q08
Facility Global ID:	T0600143649
Facility Name:	EAGLE GAS
File Name:	GEO_WELL.zip
Organization Name:	Clearwater Group Inc.
Username:	CLEARWATERGROUP
IP Address:	209.76.203.27
Submittal Date/Time:	7/10/2008 10:35:32 AM
Confirmation Number:	6935591757

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	GWM_R
Submittal Title:	Groundwater Monitoring 2Q08 (63485)
Facility Global ID:	T0600143649
Facility Name:	EAGLE GAS
File Name:	EDF_NAZEAGLEGAS_63485.ZIP
Organization Name:	Clearwater Group Inc.
Username:	CLEARWATERGROUP
IP Address:	209.76.203.27
Submittal Date/Time:	7/10/2008 11:24:10 AM
Confirmation Number:	7667709827

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type:	GWM_R
Submittal Title:	Groundwater Monitoring 2Q08 (63526)
Facility Global ID:	T0600143649
Facility Name:	EAGLE GAS
File Name:	EDF_NAZEAGLEGAS_63526.ZIP
Organization Name:	Clearwater Group Inc.
Username:	CLEARWATERGROUP
IP Address:	209.76.203.27
Submittal Date/Time:	7/10/2008 11:56:06 AM
Confirmation Number:	1717333734