PLATINUM ENERGY

30343 Canwood Street, Suite 200
Agoura Hills, CA 91301
p 818.206.5700 f 818.206.5715
platinum-energy.net

January 31, 2013

Mr. Keith Nowell
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: **Semi-Annual Summary Report, July through December 2013**

Site: **76 Service Station No. 5325**
3220 Lakeshore Avenue
Oakland, California
Fuel Leak Case No. RO0000229

Dear Mr. Nowell;

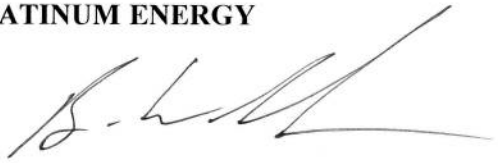
I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call:

Brian Whalen
Platinum Energy
30343 Canwood Street, Suite 200
Agoura Hills, California 91301
Tel: (818) 206-5704
Fax: (818) 206-5721
bwhalen@platinum-energy.com

Sincerely,

PLATINUM ENERGY



BRIAN WHALEN

Attachment

Semi-Annual Summary Report, July through December 2012

76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, California

Alameda County Health Care Services Agency
Fuel Leak Case No. RO0000229

San Francisco Bay Regional Water Quality Control Board
No. 01-1588

GeoTracker Global ID No.T0600101463

Antea Group Project No. I40255325

January 31, 2013

Prepared for:
Mr. Keith Nowell
Alameda County Environmental Health
1131 Harbor Bay Parkway,
Suite 250
Alameda, CA 94502

Prepared by:
Antea™Group
11050 White Rock Road,
Suite 110
Rancho Cordova, CA 95670
+1 800 477 7411

Table of Contents

Figures

Tables

Attachments

Attachment A	Summary of Previous Environmental Investigations
Attachment B	Blaine Tech Services Groundwater Sampling Procedures
Attachment C	Blaine Tech and Antea Group's Groundwater Sampling Field Data Sheets
Attachment D	Certified Laboratory Analytical Reports and Data Validation Forms
Attachment E	Waste Manifest

1.0 INTRODUCTION

Antea™Group is pleased to submit this *Semi-Annual Summary Report, July through December 2012* for the referenced site in Oakland, CA. The site is located on the east corner of the intersection of Lakeshore Avenue and Lake Park Avenue in Oakland, California (**Figure 1**). The site is bounded to the north by Lakeshore Avenue; to the west and southwest by Lake Park Avenue; to the southeast by a supermarket parking lot; and to the east by a pharmacy. Station facilities include service station building with one service bay, three fuel dispenser islands, and two 12,000-gallon double-wall fiberglass, gasoline underground storage tanks (USTs) [**Figure 2**].

A summary of previous environmental investigations is presented as **Attachment A**. Blaine Tech Services, Inc. (Blaine Tech) procedures for groundwater monitoring, sampling, and equipment decontamination are presented as **Attachment B**. Blaine Tech's groundwater monitoring and sampling field data sheets are presented as **Attachment C**. The groundwater sampling certified analytical report, chain-of-custody documentation, and data validation form are presented as **Attachment D**. The waste manifest for generated purge water is presented as **Attachment E**.

Site summary data has been tabled in the following:

- **Table 1** summarizes the current groundwater gauging and analytical data.
- **Table 2** summarizes the historical groundwater gauging and analytical data.
- **Table 2a** summarizes additional historical groundwater analytical data.
- **Table 2b** summarizes additional historical groundwater analytical data.
- **Table 2c** summarizes additional historical groundwater analytical data.
- **Table 3** summarizes the historical groundwater gradient and flow directions.

This report summarizes the groundwater data collected to date, focusing on the most recent analytical data obtained from groundwater samples collected on December 19, 2012. This report has received a technical review by Mr. Dennis Dettloff, California Professional Geologist No.7480.

1.1 Work Performed: July through December 2012

1. Antea Group prepared and submitted the *Semi-Annual Summary Report, January through June 2012, dated July 20, 2012.*

2. On July 16, 25, and 30, 2012, Antea Group conducted surfactant infiltration, batch extraction, and groundwater sampling activities as described in the work plan submitted to the Alameda County Health Care Services Agency (ACCHCSA) on May 11, 2012.

3. Blaine Tech conducted the semi-annual groundwater sampling event on December 19, 2012.

1.2 Work Proposed: January through March 2013

1. Antea Group will prepare and submit the *Semi-Annual Summary Report, July through December 2012*, contained herein.

2. Blaine Tech will conduct the semi-annual groundwater monitoring and sampling during March 2013.

2.0 CURRENT PROJECT STATUS

Current phase of project:	Semi-Annual Groundwater Monitoring
Local Oversight Program (LOP) – Lead agency for cleanup oversight:	Alameda County Health Care Services Agency (ACHCSA) Fuel Leak Case No. RO0000229
Contact:	Mr. Keith Nowell
Secondary agency for cleanup oversight	San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) No. 01-1588
Monitoring well gauging schedule:	Semi-annually: U-1 through U-6 (second and fourth quarters; starting this year: first and third quarters)
Monitoring well sampling schedule:	Semi-annually: U-1 through U-6 (second and fourth quarters; starting this year: first and third quarters)
Total number of monitoring wells:	6
Range of well depths (total depth below ground surface, bgs):	21.5 to 26.5 feet
Wells with historical measurable LNAPL (light non-aqueous phase liquid):	Yes (U-1 and U-2)
Generalized site geology:	Predominantly sandy silt, with sandy materials beginning at approximately 6-10 feet below ground surface (bgs)
Historical Depth to Water Range, in feet below top of casing (BTOC):	Min: 2.71 (U-6, Q3 2007) Max: 12.81 (MW-6, Q3 2004)
Historical Groundwater Elevation Range, in feet above mean sea level:	Min: -5.67 (U-6, Q3 2004) Max: 8.85 (U-4, Q2 2012)
Local Receptors:	Lake Merritt is 0.3 miles southwest of the site
Current Remediation Technique:	None

2.1 Regulatory Correspondence

In a letter dated September 4, 2012, Keith Nowell of the ACHCSA disagreed with the *Workplan for Surfactant Infiltration and Batch Extraction,* dated May 11, 2012 and commented on the chemical analyses and schedule for groundwater monitoring as well as ACEH's standardized file naming convention. The ACHCSA requested an additional work plan that addressed their concerns as well as a groundwater monitoring report in April and October 2013.

On October 18, 2012 Antea Group sent an email to Keith Nowell of the ACHCSA stating that they would not be submitting the work plan requested in the ACHCSA letter dated September 4, 2012. Antea Group indicated that the proposed surfactant infiltration was tried and did not work due to the tight soils beneath the site.

2.2 Remediation Status

On July 16, 25, and 30, 2012, Antea Group conducted surfactant infiltration, batch extraction, and groundwater sampling activities, respectively, as described in the work plan submitted to the Alameda County Health Care Services Agency (ACCHCSA) on May 11, 2012.

2.3 Groundwater Monitoring

Semi-annual groundwater monitoring and sampling was conducted at the site on December 19, 2012 by Blaine Tech per their standard sampling protocol (**Attachment B**). A total of six monitoring wells were gauged and sampled. Monitoring well U-6 was gauged out of order do to traffic. A copy of Blaine Tech's field notes are presented as **Attachment C**. Measured depths to groundwater, respective groundwater elevations, and the most recent groundwater analytical data are summarized in **Table 1**. Depth to water was measured to within 0.01 feet BTOC in monitoring wells U-1 through U-6 using a water level indicator. Historic laboratory analytical results are summarized in **Table 2, 2a, 2b, and 2c**. Gauging and sampling data from the most recent monitoring and sampling event are summarized below.

Well gauging and sampling date:	December 19, 2012
Wells gauged:	U-1 through U-6
Wells sampled:	U-1 through U-6
Purge method:	3 well casing volumes via electric, submersible pump
Sample collection method:	Disposable bailers
Groundwater parameters measured (**Attachment C**):	Dissolved oxygen (DO), temperature, conductivity, pH, oxidation-reduction potential (ORP), and turbidity
Wells with measurable LNAPL:	None
Depth to Water Range (ft BTOC):	6.65 (U-2) to 10.50 (U-3)
Groundwater Elevation Range (ft above mean sea level):	5.17 (U-6) to 7.92 (U-4)
Change in depth to water from previous event (average change for all gauged wells):	0.41 increase
Groundwater Flow Direction and Gradient in foot per foot (ft/ft):	North-northeast at 0.031 ft/ft and west-southwest at 0.027 ft/ft

All monitoring and sampling activities for the site were conducted on December 19, 2012 by Blaine Tech and reviewed and certified by a California Professional Geologist.

2.3.1 Groundwater Sample Analysis

Groundwater samples collected from monitoring wells U-1 through U-6 were submitted with chain-of-custody documentation to Kiff Analytical LLC. (Kiff) in Davis, CA, a California state-certified laboratory (No. 08263CA). Groundwater samples were analyzed for the following:

- TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), tertiary amyl-methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), and ethanol by Environmental Protection Agency (EPA) Method 8260B.

2.3.2 Groundwater Quality Data

Groundwater analytical results are tabulated in **Table 1** (current) and **Table 2, 2a, 2b, and 2c** (historical). During the December 2012 sampling event, the following ranges of contaminant concentrations were reported in the specified site monitoring wells (only the constituents above the laboratory's indicated reporting limits are shown):

Constituents	Number of Reported Concentrations Above LRL of Total Samples Analyzed	Minimum Reported Concentration, in µg/L (Sample ID)	Maximum Reported Concentration, in µg/L (Sample ID)
TPHg	3 of 6	88 (U-5)	4,000 (U-1)
Benzene	2 of 6	0.63 (U-2)	0.95 (U-1)
Ethylbenzene	2 of 6	7.9 (U-2)	53 (U-1)
Total Xylenes	2 of 6	0.56 U-2)	11 (U-1)
MTBE	5 of 6	0.55 (U-3)	28 (U-2)
TBA	4 of 6	42 (U-6)	1,600 (U-2)

Key: LRL = Laboratory reporting limits; µg/L = Micrograms per liter

2.3.3 Contaminants of Concern

TPHg: TPHg was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (4,000 µg/L), U-2 (770 µg/L), and U-5 (88 µg/L) during the current event (**Figure 4**).

Benzene: Benzene was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (0.95 µg/L) and U-2 (0.63 µg/L) during the current event.

MTBE: MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (11 µg/L), U-2 (28 µg/L), U-3 (0.55 µg/L), U-5, (5.1 µg/L), and U-6 (1.5 µg/L) during the current event (**Figure 5**).

In addition, ethylbenzene was present in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (53 µg/L) and U-2 (7.9 µg/L), total xylenes were present in the groundwater samples collected

and submitted for analysis from monitoring wells U-1 (11 µg/L) and U-2 (0.56 µg/L), and TBA was present in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (700 µg/L), U-2 (1,600 µg/L), U-5 (110 µg/L), and U-6 (42 µg/L). All other constituents tested were below the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis during the current event. The December 19, 2012 groundwater analytical results and historical groundwater monitoring and analytical results are presented in **Table 1**, **2**, **2a**, **2b**, and **2c**. Kiff Laboratory's analytical report and chain-of-custody documentation are presented as **Attachment D**.

The December 2012 groundwater elevation contour map is presented as **Figure 3.** A dissolved phase TPHg iso-concentration map is presented as **Figure 4**. A dissolved phase MTBE iso-concentration map is presented as **Figure 5**. Historical groundwater flow directions are shown on a rose diagram, presented as **Figure 6**. Historical groundwater flow directions are presented in **Table 3**.

2.3.4 Waste Disposal Summary

Water generated during monitoring well sampling and equipment cleaning was temporarily stored by Blaine Tech in a 2000-gallon poly tank. After the batch process, the generated wastewater was transported for proper disposal at Seaport Environmental in Redwood City, California. The method of containment and disposal is reported in Blaine Tech's procedures for groundwater sampling in **Attachment B**. A copy of the waste manifest is presented as **Attachment E**.

2.3.5 Quality Assurance / Quality Control

Antea Group's QA/QC measures included use of a detailed QA/QC data validation check on the Pace laboratory analytical results for the December 2012 sampling event. Antea Group's laboratory data validation checklist and the Kiff laboratory report are presented in **Attachment D**. A summary of QA/QC information follows.

Laboratory QA/QC Performed:	Yes (validated by Antea Group)
Laboratory Data Qualifiers:	Three
Validity of Laboratory Data:	Data set is Valid

Data Qualifiers:

- Matrix Spike/Matrix Spike Duplicate (MS/MSD) results associated with samples U-1_20121231 and U-2_20121231 for the analyte Ethanol were outside of control limits. This may indicate a bias for the sample that was spiked.
- Laboratory Control Sample (LCS) results associated with samples U-1_20121231 and U-2_20121231 for the analyte Ethanol were outside of control limits, indicating a possible high bias for this analyte. Since Ethanol was not detected above the Method Reporting Limit in the associated samples, no data are flagged.
- MS/MSD results associated with samples U-5_20121231 and U-6_20121231 for the analyte MTBE were affected by the analyte concentrations already present in the un-spiked sample.

Based on a review of the laboratory's analytical report, including their QA/QC procedures and those implemented by Antea Group, we conclude that the laboratory data obtained during this groundwater sampling event are valid for their intended purpose.

3.0 DISCUSSION AND CONCLUSIONS

As indicated above, the ACHCSA has requested that the site monitoring wells be sampled semi-annually during the first and third quarters of each year. Therefore, this site will be sampled in March and September in 2013.

On July 16, 2012, Antea Group sampled the six monitoring wells at the site in preparation for surfactant infiltration. Subsequent to the groundwater sampling, 1.5 gallons of surfactant followed by 15 gallons of potable water was introduced into each of the two monitoring wells, U-1 and U-2. The monitoring wells would not accept any more of the surfactant water mixture. Depth to groundwater data, groundwater elevation data, and analytical data from this groundwater sampling event are presented in **Table 2**. A copy of Antea Group's field data sheets are presented in **Attachment C**, and Kiff Laboratory's analytical report and chain-of-custody documentation are presented in **Attachment D**.

On July 25, 2012, Antea Group returned to the site and using a vacuum truck attempted to remove the previously introduced surfactant water mixture and petroleum hydrocarbon impacted groundwater from beneath the site using monitoring wells U-1, U-2, and tank pit well TPW-1. A total of 2,600 gallons of groundwater was removed from beneath the site during batch extraction activities.

On July 30, 2012, Antea Group returned to the site to collect post-batch extraction groundwater samples from the six monitoring wells, U-1 through U-6, associated with the site. Depth to groundwater data, groundwater elevation data, and analytical data from this groundwater sampling event are presented in **Table 2**. A copy of Antea Group's field data sheets are presented in **Attachment C**, and Kiff Laboratory's analytical report and chain-of-custody documentation are presented in **Attachment D**.

Based on the data obtained during the surfactant infiltration and subsequent batch extraction activities, it does not appear that surfactant infiltration is a viable remedial process for this site, due to the low permeability of the tight soils beneath the site.

Petroleum hydrocarbon impacted soil has been adequately assessed vertically and laterally beneath the site. Petroleum hydrocarbon impacted groundwater has not been adequately delineated off-site to the north. However, based on the historic groundwater flow direction, predominately to the northwest, further delineation to the north does not appear to be necessary.

4.0 REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. For any reports cited that were not generated by Delta or Antea Group, the data from those reports is used "as is" and is assumed to be accurate. Antea Group does not guarantee the accuracy of this data for the referenced work performed nor the inferences or conclusions stated in these reports. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Prepared by:

Jonathan Fillingame
Staff Geologist

Information, conclusions, and recommendations provided by Antea Group in this document regarding the site have been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

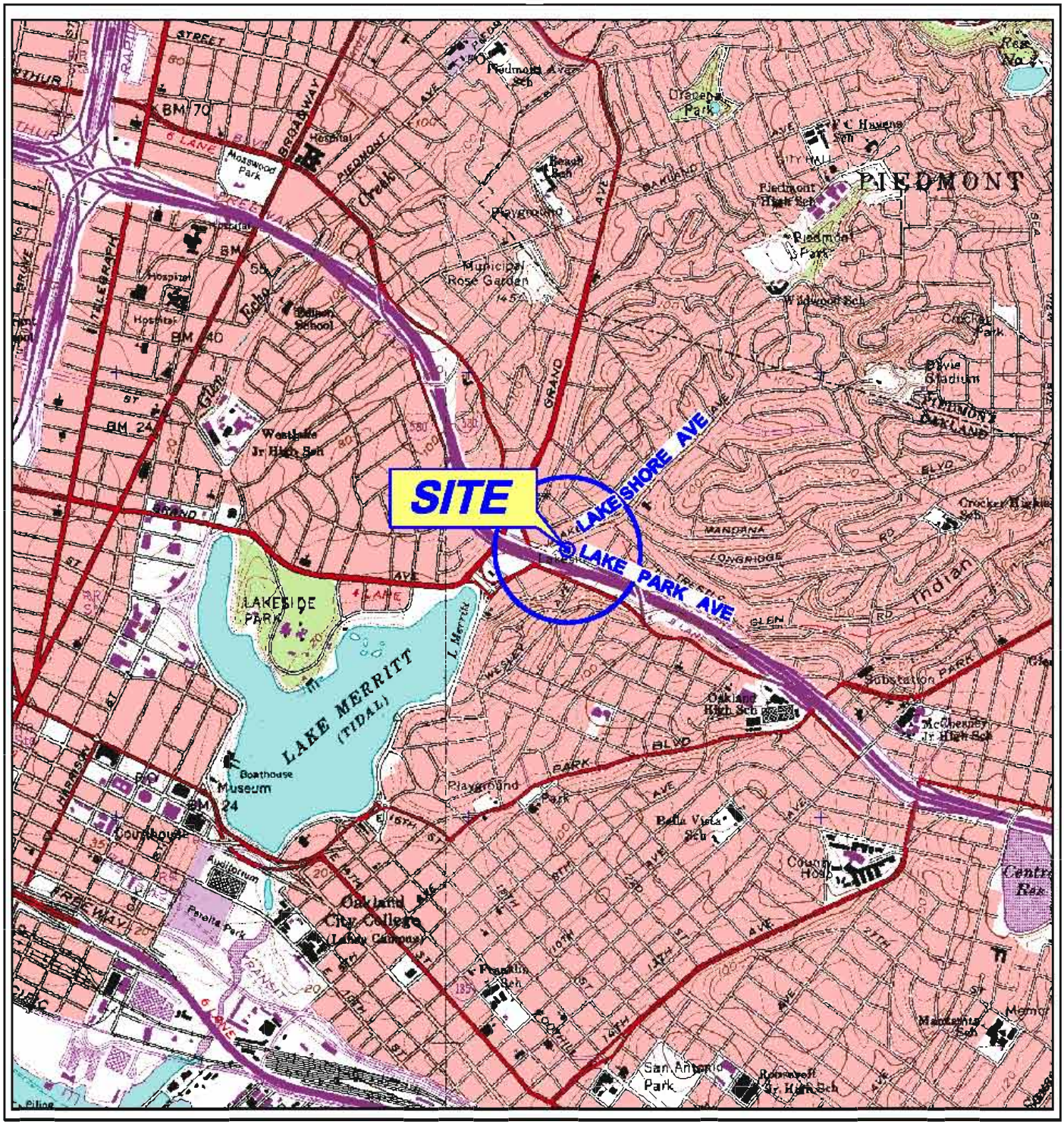
Licensed Approver:

PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA
Date: 1/31/13

Dennis S. Dettloff, P.G.
Project Manager
California Registered Professional Geologist No. 7480

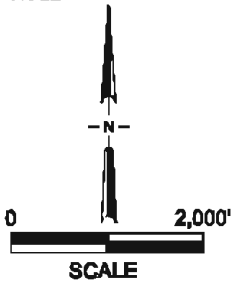
cc: GeoTracker (upload)

Figures



GENERAL NOTES:
BASE MAP FROM 3-D TOPO QUADS
OAKLAND WEST & OAKLAND EAST, CA. QUADRANGLE
7.5 MINUTE TOPOGRAPHIC MAP

SITE LOCATION



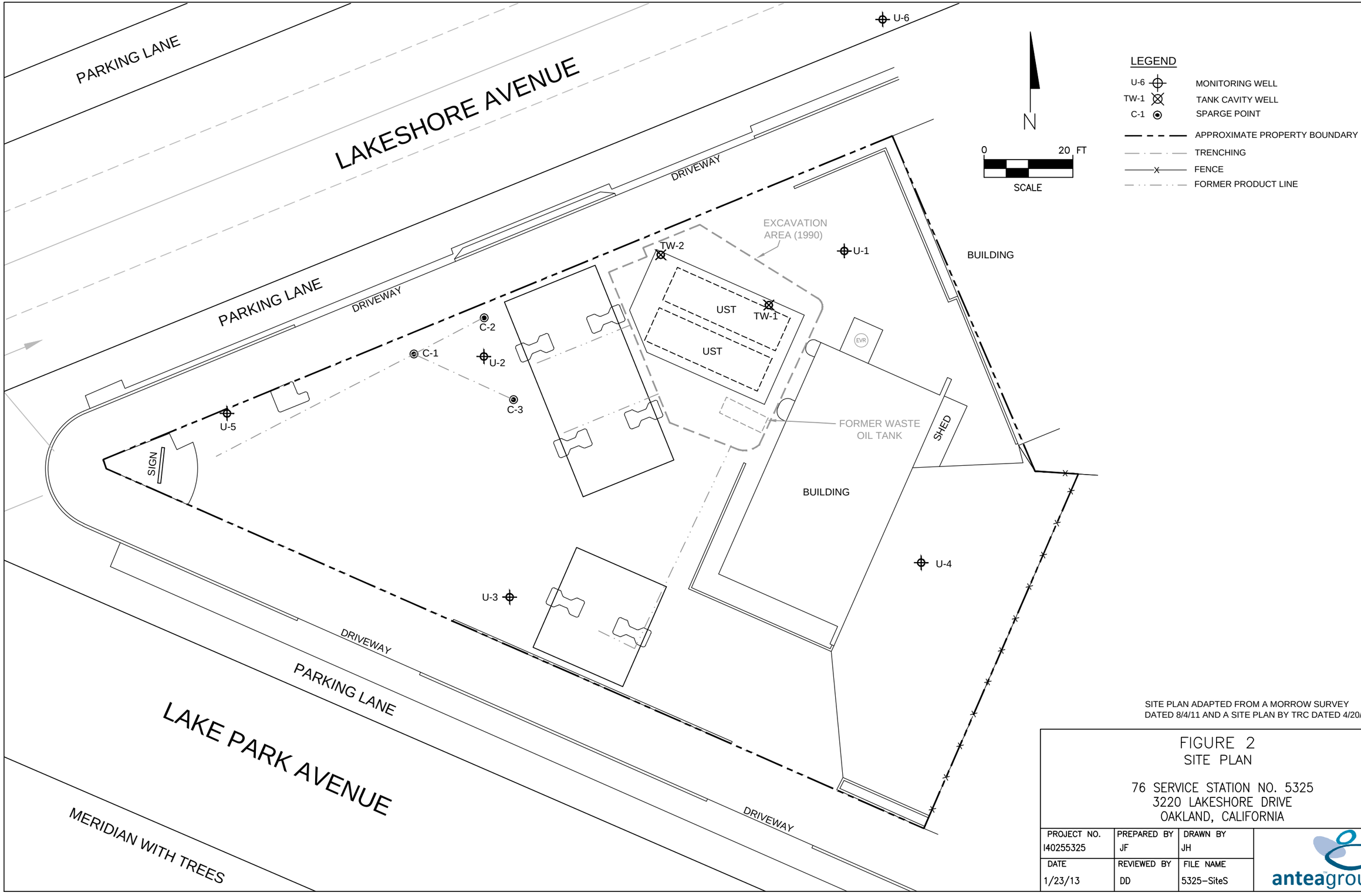
SCALE

FIGURE 1
SITE LOCATION MAP

76 SERVICE STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 140255325		DRAWN BY JH	
FILE NO. 5325-SLM		PREPARED BY EW	
DATE 28 JAN 11	REV. 2	REVIEWED BY	

anteagroup



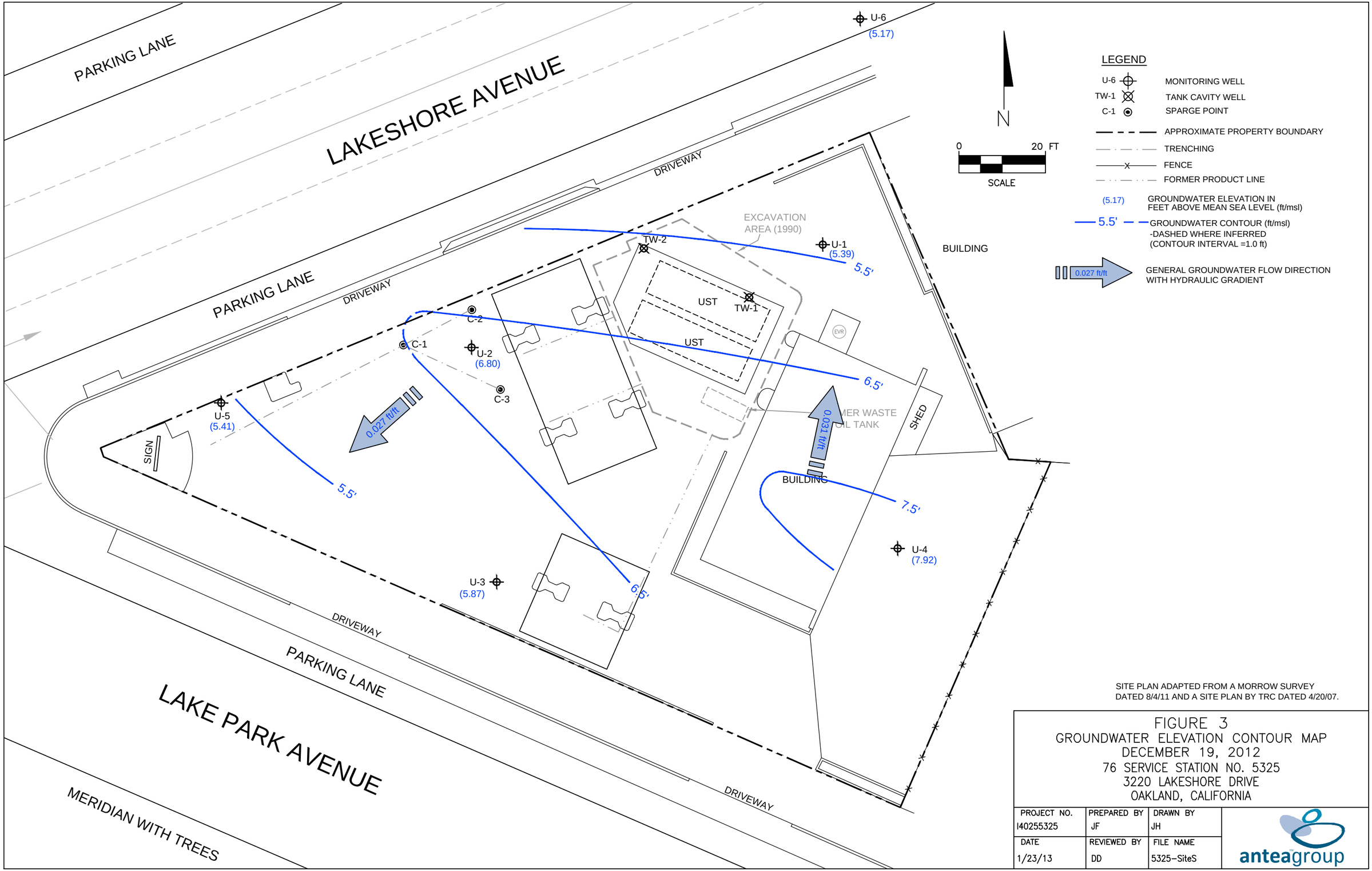
SITE PLAN ADAPTED FROM A MORROW SURVEY
DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 2
SITE PLAN

76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	JF	JH
DATE	REVIEWED BY	FILE NAME
1/23/13	DD	5325-SiteS

antea group

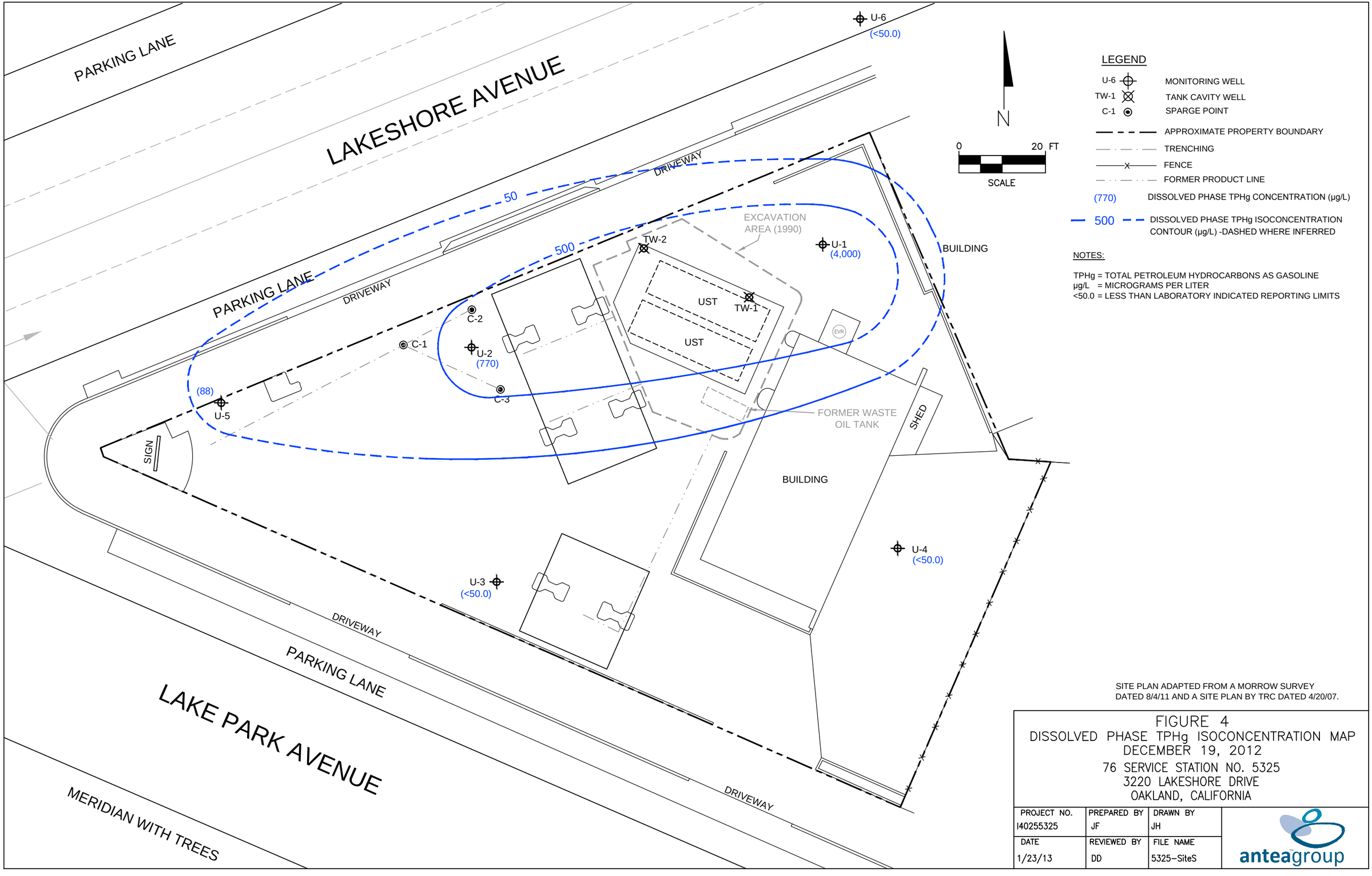


SITE PLAN ADAPTED FROM A MORROW SURVEY DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 19, 2012
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	JF	JH
DATE	REVIEWED BY	FILE NAME
1/23/13	DD	5325-SiteS

antea group

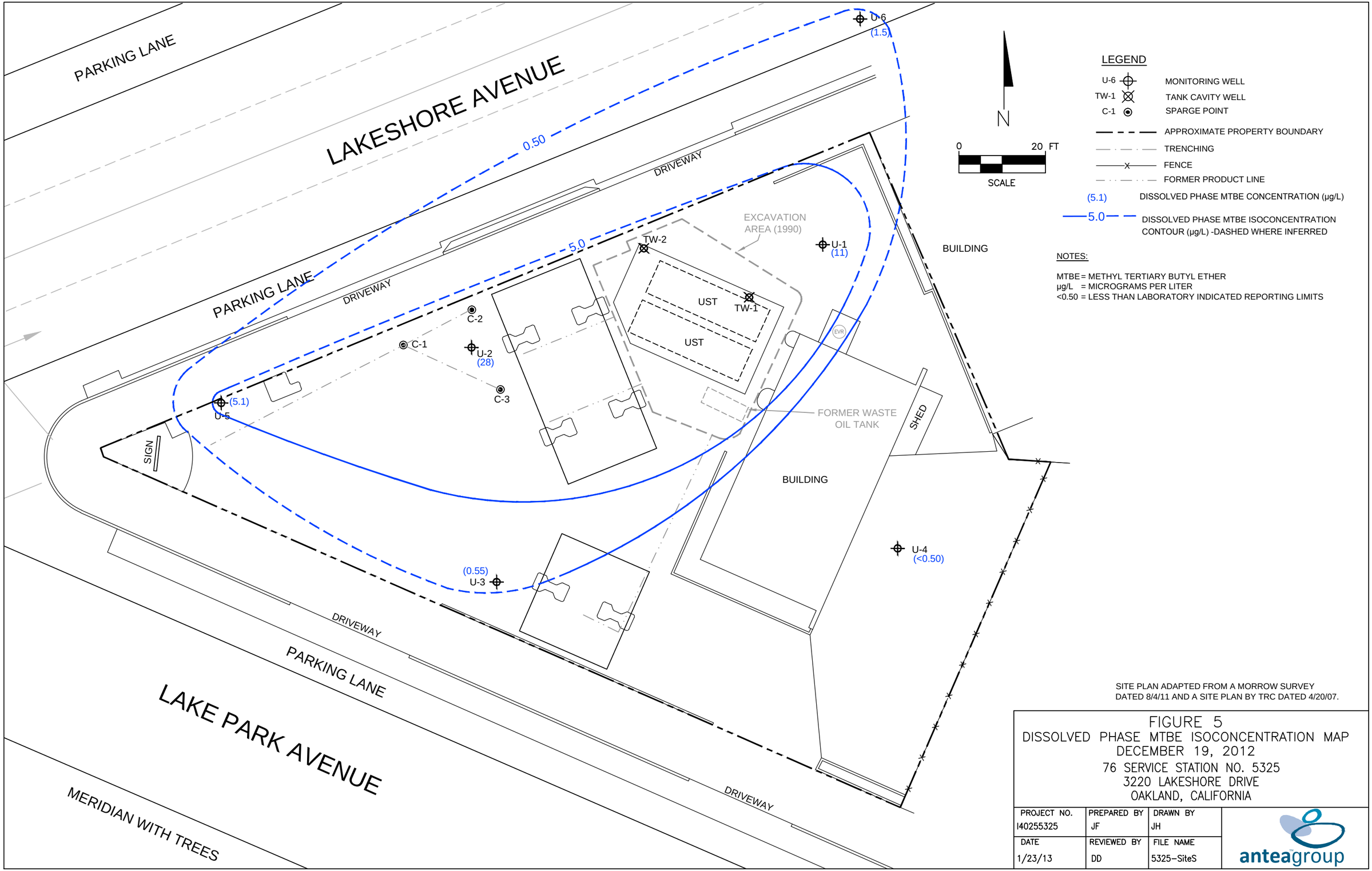


SITE PLAN ADAPTED FROM A MORROW SURVEY
DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 4
DISSOLVED PHASE TPHg ISOCONCENTRATION MAP
DECEMBER 19, 2012
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	JF	JH
DATE	REVIEWED BY	FILE NAME
1/23/13	DD	5325-SiteS

antea group



NOTES:

MTBE = METHYL TERTIARY BUTYL ETHER
µg/L = MICROGRAMS PER LITER
<0.50 = LESS THAN LABORATORY INDICATED REPORTING LIMITS

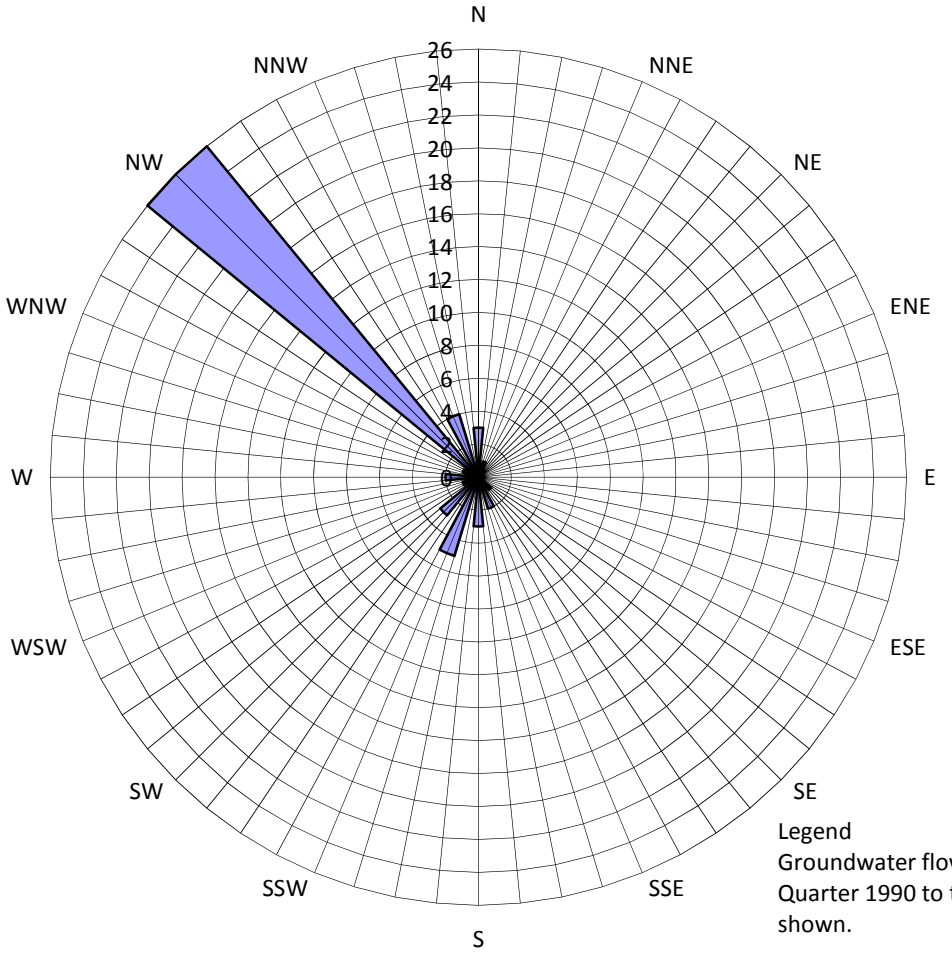
SITE PLAN ADAPTED FROM A MORROW SURVEY
DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 5
DISSOLVED PHASE MTBE ISOCONCENTRATION MAP
DECEMBER 19, 2012
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	JF	JH
DATE	REVIEWED BY	FILE NAME
1/23/13	DD	5325-SiteS

antea group

Figure 6
HISTORICAL GROUNDWATER FLOW DIRECTIONS
76 SERVICE STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA



Legend
Groundwater flow directions are based on data from the Third Quarter 1990 to the Fourth Quarter 2012. 52 data points shown.

Groundwater Flow Direction

Tables

TABLE 1
CURRENT GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA												
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-1	12/19/2012	14.24	8.85	NP	5.39	**4,000**	**0.95**	<0.50	**53**	**11**	**11**	<0.50	<0.50	<0.50	**760**	<5.0	<0.50	<0.50
U-2	12/19/2012	13.45	6.65	NP	6.80	**770**	**0.63**	<0.50	**7.9**	**0.56**	**28**	<0.50	<0.80	<0.50	**1,600**	<5.0	<0.50	<0.50
U-3	12/19/2012	16.37	10.50	NP	5.87	<50	<0.50	<0.50	<0.50	<0.50	**0.55**	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
U-4	12/19/2012	16.55	8.63	NP	7.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
U-5	12/19/2012	12.77	7.36	NP	5.41	**88**	<0.50	<0.50	<0.50	<0.50	**5.1**	<0.50	<0.50	<0.50	**110**	<5.0	<0.50	<0.50
U-6	12/19/2012	12.88	7.71	NP	5.17	<50	<0.50	<0.50	<0.50	<0.50	**1.5**	<0.50	<0.50	<0.50	**42**	<5.0	<0.50	<0.50

Gauging Notes:
TOC - Top of Casing
ft - Feet
NP - LNAPL not present
LNAPL - Light non-aqueous phase liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
-- - No information available

Analytical Notes:
< - Below Laboratory's indicated reporting limit
ug/L - micrograms/liter
TPHg- Total petrolium hydrocarbons as gasoline
MTBE- Methyl tertiary-butyl ether
DIPE- Di-isopropyl ether
ETBE- Ethyl tertiary-butyl ether
TAME- Tertiary-amyl methyl ether
TBA- Tertiary-butyl alcohol
Bold - Above the laboratory's indicated reporting limit

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-1	8/10/1990	NSVD	NG	NG	NG	**690**	**38**	**75**	**8.6**	**130**	--	--	--	--	--	--	--	--	--
	1/7/1991	NSVD	NG	NG	NG	**250**	**22**	**16**	**4.2**	**17**	--	--	--	--	--	--	--	--	--
	4/1/1991	NSVD	NG	NG	NG	**160**	**13**	**8.6**	**1.0**	**15**	--	--	--	--	--	--	--	--	--
	7/3/1991	NSVD	NG	NG	NG	**140**	**21**	**4.3**	**0.36**	**17**	--	--	--	--	--	--	--	--	--
	10/9/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/12/1992	NSVD	NG	NG	NG	**250**	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	5/5/1992	NSVD	NG	NG	NG	**230**	**1.2**	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/11/1992	NSVD	NG	NG	NG	**1,000**	**80**	**1.4**	**6.7**	**41**	--	--	--	--	--	--	--	--	--
	8/20/1992	NSVD	NG	NG	NG	**400**	**1.0**	ND	ND	**0.6**	--	--	--	--	--	--	--	--	--
	2/22/1993	NSVD	NG	NG	NG	**34,000**	**1,400**	**5,500**	**910**	**7,300**	--	--	--	--	--	--	--	--	--
	5/7/1993	NSVD	NG	NG	NG	**8,700**	**600**	**240**	**650**	**3,300**	--	--	--	--	--	--	--	--	--
	8/8/1993	NSVD	NG	NG	NG	**4,900**	**79**	ND	**832**	**270**	--	--	--	--	--	--	--	--	--
	11/16/1993	5.32	8.60	NP	-3.28	**690**	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/16/1994	5.32	8.53	NP	-3.21	**6,800**	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/22/1994	8.46	8.39	NP	0.07	**200**	ND	ND	**5.9**	**21**	--	--	--	--	--	--	--	--	--
	9/22/1994	8.46	8.65	NP	-0.19	**6,100**	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/24/1994	8.46	8.03	NP	0.43	**50,000**	**2,500**	**9,700**	**2,400**	**17,000**	--	--	--	--	--	--	--	--	--
	3/25/1995	8.46	7.71	0.36	1.02	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/21/1995	8.46	9.30	0.20	-0.69	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	9/19/1995	8.46	9.28	0.39	-0.53	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/19/1995	8.46	8.97	0.02	-0.50	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/18/1996	8.46	8.25	NP	0.21	**27,000**	ND	**2,300**	**1,400**	**11,000**	**4,900**	--	--	--	--	--	--	--	--
	6/27/1996	8.46	7.92	NP	0.54	**120,000**	540	**4,300**	**2,600**	**26,000**	ND	--	--	--	--	--	--	--	--
	9/26/1996	8.46	9.10	0.02	-0.63	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/9/1996	8.46	6.88	0.03	1.60	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/14/1997	8.46	9.02	0.55	-0.15	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/30/1997	8.46	8.40	0.01	0.07	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	9/19/1997	8.46	8.56	0.02	-0.09	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/12/1997	8.46	8.57	0.00	-0.11	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/3/1998	8.46	8.22	0.03	0.26	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/15/1998	8.46	8.36	NP	0.10	52000	ND	**900**	**1,800**	**13,000**	ND	--	--	--	--	--	--	--	--
	9/30/1998	8.46	8.93	NP	-0.47	**1,000,000**	ND	**2,600**	**13,000**	**83,000**	**4,800**	--	--	--	--	--	--	--	--
	12/28/1998	8.46	8.56	NP	-0.10	**1,100,000**	ND	**1,600**	**8,600**	**71,000**	**5,700**	--	--	--	--	--	--	--	--
	3/22/1999	8.46	8.18	NP	0.28	**130,000**	**470**	**1,100**	**2,000**	**28,000**	**5,700**	--	--	--	--	--	--	--	--
	6/9/1999	8.46	9.36	NP	-0.90	**40,000**	**230**	**640**	**590**	**13,000**	**3,500**	**2,100**	--	--	--	--	--	--	--
	9/8/1999	8.46	9.52	NP	-1.06	**55,000**	**217**	**202**	**745**	**14,300**	**6,890**	**6,690**	--	--	--	--	--	--	--
	12/7/1999	8.46	9.67	NP	-1.21	**41,200**	**89.3**	ND	**385**	**6,930**	**15,800**	**14,700**	--	--	--	--	--	--	--
	3/13/2000	8.46	8.43	NP	0.03	**48,000**	**490**	**610**	**2,400**	**10,000**	**22,000**	**23,000**	--	--	--	--	--	--	--
	6/21/2000	8.46	9.44	NP	-0.98	**37,000**	**200**	ND	**1,200**	**7,200**	**15,000**	**20,000**	--	--	--	--	--	--	--
	9/27/2000	8.46	9.28	NP	-0.82	**15,000**	**92**	ND	**540**	**2,800**	**74,000**	**83,000**	ND	ND	ND	ND	--	ND	--
	12/12/2000	8.46	9.36	NP	-0.90	**50,000**	ND	ND	**250**	**1,900**	**12,000**	**15,000**	--	--	--	--	--	--	--
	3/7/2001	8.46	8.44	NP	0.02	**6,220**	**29.8**	**10.4**	**96.3**	**638**	**11,200**	**11,800**	ND	ND	ND	ND	--	ND	--
	6/6/2001	8.46	9.28	NP	-0.82	**5,200**	**17**	ND	**69**	**420**	**6,500**	**8,700**	ND	ND	ND	ND	--	ND	--
	9/24/2001	8.46	9.39	NP	-0.93	**4,300**	**36**	<25	**65**	**590**	**4,400**	**4,400**	<1000	<1000	<1000	<20000	<400000	<1000	<1000
	12/10/2001	8.46	9.17	NP	-0.71	**11,000**	**220**	<100	**380**	**1,500**	**5,100**	**5,100**	<100	<100	<100	<4000	<8000	<100	<100
	3/11/2002	8.46	9.43	NP	-0.97	**5,500**	**28**	<20	**360**	**690**	**6,400**	**6,300**	<100	<100	<100	<5000	<25000	<100	<100
	6/4/2002	8.46	8.31	NP	0.15	**4,600**	**31**	<10	**240**	**180**	**6,500**	--	--	--	--	--	--	--	--
	9/3/2002	8.46	9.35	NP	-0.89	**2,300**	<12	<12	<12	**68**	**3,500**	**4,700**	<200	<200	<200	<10000	<50000	<200	<200
	12/3/2002	8.46	8.18	NP	0.28	<5000	<50	<50	<50	<100	--	**4,700**	<200	<200	<200	<10000	<50000	<200	<200
	3/4/2003	8.46	8.28	NP	0.18	**8,900**	**26**	<25	**400**	**130**	--	**5,500**	<100	<100	<100	<5000	<25000	<100	<100
	6/18/2003	8.46	7.57	NP	0.89	**8,300**	<25	<25	<25	<50	--	**10,000**	<100	<100	<100	<5000	<25000	<100	<100
	9/24/2003	8.46	8.18	NP	0.28	<10000	<100	<100	<100	<200	--	**11,000**	<400	<400	<400	<20000	<100000	<400	<400
	12/2/2003	8.46	8.89	NP	-0.43	<10000	<100	<100	<100	<200	--	**11,000**	--	--	--	--	<100000	--	--
	3/30/2004	8.46	8.38	NP	0.08	**12,000**	<100	<100	**190**	<200	--	**13,000**	<200	<100	<100	**3,100**	<10000	<100	<100
	6/7/2004	8.46	10.35	NP	-1.89	**13,000**	<100	<100	<100	<200	--	**12,000**	<200	<100	<100	**3,300**	<10000	<100	<100
	9/9/2004	8.46	dry	dry	dry	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/20/2004	8.46	9.00	NP	-0.54	<50	<0.50	<0.50	<0.50	<1.0	--	**8.2**	<1.0	<0.50	<0.50	**11**	<50	<0.50	<0.50

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-1	3/28/2005	8.46	8.10	NP	0.36	**37,000**	<10	<10	**1,500**	**5,300**	--	**460**	--	--	--	--	<1000	--	--
	6/14/2005	8.46	8.90	NP	-0.44	**3,900**	<0.50	<0.50	**48**	**68**	--	**60**	<10	<10	<10	**4,400**	<1000	<10	<10
	9/28/2005	8.46	11.35	NP	-2.89	**560**	<0.50	**0.60**	**3.0**	**26**	--	**18**	<10	<10	<10	**5,500**	<250	<10	<10
	12/29/2005	8.46	8.57	NP	-0.11	**510**	**0.77**	<0.50	**27**	**63**	--	**62**	<0.50	<0.50	<0.50	**3,900**	<250	<0.50	<0.50
	3/27/2006	8.46	7.19	NP	1.27	**29,000**	<25	<25	**1,500**	**4,900**	--	**300**	--	--	--	--	<12000	--	--
	6/12/2006	8.46	7.80	NP	0.66	**3,200**	<0.50	<0.50	**42**	**15**	--	**56**	--	--	--	--	<250	--	--
	9/21/2006	8.46	8.03	NP	0.43	**2,600**	<12	<12	<12	<12	--	**30**	--	--	--	--	<6200	--	--
	12/21/2006	8.46	8.31	NP	0.15	**2,000**	<0.50	<0.50	**13**	**2.2**	--	**53**	--	--	--	--	<250	--	--
	3/28/2007	8.46	6.17	NP	2.29	**12,000**	<2.5	<2.5	**690**	**1,900**	--	**110**	<2.5	<2.5	<2.5	**1,600**	<1200	<2.5	<2.5
	6/27/2007	8.46	5.38	NP	3.08	**13,000**	**2.8**	<2.5	**960**	**1,300**	--	**79**	<2.5	<2.5	<2.5	**1,500**	<1200	<2.5	<2.5
	9/26/2007	8.46	5.32	NP	3.14	**6,900**	**2.6**	<2.5	**310**	**680**	--	**44**	--	--	--	--	<1200	--	--
	12/27/2007	8.46	8.11	NP	0.35	**5,900**	<2.5	<2.5	**290**	**130**	--	**42**	--	--	--	--	<1200	--	--
	3/26/2008	8.46	7.84	NP	0.62	**3,500**	<2.5	<2.5	**100**	**18**	--	**30**	--	--	--	--	<1200	--	--
	6/18/2008	8.46	7.03	NP	1.43	**8,400**	<5.0	<5.0	**230**	**86**	--	**26**	--	--	--	--	<2500	--	--
	9/24/2008	8.46	6.90	NP	1.56	**6,000**	**3.3**	<2.5	**170**	**86**	--	**78**	--	--	--	--	<1200	--	--
	12/22/2008	8.46	7.69	NP	0.77	**6,400**	**0.64**	<0.50	**95**	**7.0**	--	**12**	--	--	--	--	<250	--	--
	3/26/2009	8.46	7.55	NP	0.91	**5,700**	<2.5	<2.5	**72**	**6.5**	--	**10**	--	--	--	--	<1200	--	--
	6/23/2009	8.46	6.80	NP	1.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	8.46	7.30	NP	1.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	8.46	6.71	NP	1.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	**7,090**	<0.50	<0.50	**2.1**	**2.2**	--	**5.1**	<0.50	<0.50	<0.50	**1,110**	<250	<1.0	<1.0
	12/20/2010	8.46	6.76	NP	1.70	**6,280**	<0.50	<0.50	**29.9**	**1.8**	--	**7.0**	<0.50	<0.50	<0.50	**391**	<250	<1.0	<1.0
	6/3/2011	8.46	6.95	NP	1.51	**6,490**	<0.50	<0.50	**1.2**	<1.5	--	**6.1**	<0.50	<0.50	<0.50	**880**	<250	<1.0	<1.0
	12/5/2011	14.24	7.25	NP	6.99	**6,190**	<0.50	<0.50	**1.1**	<1.5	--	**5.8**	<0.50	<0.50	<0.50	**872**	<250	<1.0	<1.0
	6/6/2012	14.24	8.22	NP	6.02	**2,240**	<0.50	<0.50	**0.66**	**2.6**	--	**4.6**	<0.50	<0.50	<0.50	**2,100**	<250	<1.0	<1.0
	12/19/2012	14.24	8.85	NP	5.39	**4,000**	**0.95**	<0.50	**53**	**11**	--	**11**	<0.50	<0.50	<0.50	**760**	<5.0	<0.50	<0.50
U-2	8/10/1990	NSVD	NG	NG	NG	**780**	**27**	**46**	**15**	**130**	--	--	--	--	--	--	--	--	--
	1/7/1991	NSVD	NG	NG	NG	**1,900**	**67**	**5.8**	**58**	**69**	--	--	--	--	--	--	--	--	--
	4/1/1991	NSVD	NG	NG	NG	**1,700**	**250**	**89**	**34**	**190**	--	--	--	--	--	--	--	--	--
	7/3/1991	NSVD	NG	NG	NG	**2,100**	**150**	**25**	**3.1**	**290**	--	--	--	--	--	--	--	--	--
	10/9/1991	NSVD	NG	NG	NG	**230**	**7.1**	ND	ND	**11**	--	--	--	--	--	--	--	--	--
	2/12/1992	NSVD	NG	NG	NG	**410**	**1.9**	ND	**0.36**	**0.4**	--	--	--	--	--	--	--	--	--
	5/5/1992	NSVD	NG	NG	NG	**1,600**	**120**	**52**	**6.2**	**290**	--	--	--	--	--	--	--	--	--
	6/11/1992	NSVD	NG	NG	NG	**620**	**17**	**2.1**	ND	**37**	--	--	--	--	--	--	--	--	--
	8/20/1992	NSVD	NG	NG	NG	**700**	**28**	**6.5**	**1.3**	**4.6**	--	--	--	--	--	--	--	--	--
	2/22/1993	NSVD	NG	NG	NG	**3,400**	**2,400**	**2,100**	**1,200**	**5,800**	--	--	--	--	--	--	--	--	--
	5/7/1993	NSVD	NG	NG	NG	**17,000**	**1,800**	**660**	**1,700**	**4,000**	--	--	--	--	--	--	--	--	--
	8/8/1993	NSVD	NG	NG	NG	**5,600**	**420**	ND	**410**	**670**	--	--	--	--	--	--	--	--	--
	11/16/1993	4.53	8.17	NP	-3.64	**510**	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/16/1994	4.53	7.73	NP	-3.20	**980**	**49**	**13**	**2.7**	**40**	--	--	--	--	--	--	--	--	--
	6/22/1994	7.62	7.59	NP	0.03	**31,000**	**2,200**	**62**	**1,500**	**3,500**	--	--	--	--	--	--	--	--	--
	9/22/1994	7.62	7.92	NP	-0.30	**8,500**	**29**	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/24/1994	7.62	7.26	NP	0.36	**32,000**	**1,500**	**890**	**1,300**	**5,000**	--	--	--	--	--	--	--	--	--
	3/25/1995	7.62	7.01	NP	0.61	**170,000**	**1,900**	**21,000**	**4,800**	**33,000**	--	--	--	--	--	--	--	--	--
	6/21/1995	7.62	6.98	NP	0.64	**16,000**	**2,100**	ND	**1,800**	**1,700**	--	--	--	--	--	--	--	--	--
	9/19/1995	7.62	7.69	NP	-0.07	**3,000**	**610**	ND	**78**	**240**	--	--	--	--	--	--	--	--	--
	12/19/1995	7.62	7.30	NP	0.32	**1,600**	**140**	**55**	**52**	**270**	--	--	--	--	--	--	--	--	--
	3/18/1996	7.62	6.44	NP	1.18	**12,000**	**2,200**	ND	**1,200**	**2,200**	**22,000**	--	--	--	--	--	--	--	--
	6/27/1996	7.62	7.40	NP	0.22	**28,000**	**3,400**	ND	**2,800**	**3,100**	**3,000**	--	--	--	--	--	--	--	--
	9/26/1996	7.62	7.90	NP	-0.28	**5,900**	**750**	ND	ND	ND	**18,000**	--	--	--	--	--	--	--	--
	12/9/1996	7.62	6.76	NP	0.86	**13,000**	**5,100**	**290**	**980**	**370**	**2,700**	--	--	--	--	--	--	--	--
	3/14/1997	7.62	7.11	0.02	0.53	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/30/1997	7.62	6.19	NP	1.43	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	9/19/1997	7.62	7.30	NP	0.32	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/12/1997	7.62	6.75	NP	0.87	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/3/1998	7.62	6.36	NP	1.26	**80,000**	**3,000**	**1,100**	**820**	**16,000**	**16,000**	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-2	6/15/1998	7.62	6.51	NP	1.11	**48,000**	**1,800**	**330**	**470**	**7,900**	**20,000**	--	--	--	--	--	--	--	--
	9/30/1998	7.62	7.17	NP	0.45	**60,000**	**1,300**	ND	**500**	**9,700**	**19,000**	--	--	--	--	--	--	--	--
	12/28/1998	7.62	7.05	NP	0.57	**63,000**	**590**	**160**	**320**	**5,600**	**16,000**	--	--	--	--	--	--	--	--
	3/22/1999	7.62	6.82	NP	0.80	**28,000**	**1,100**	ND	**360**	**2,900**	**25,000**	--	--	--	--	--	--	--	--
	6/9/1999	7.62	7.51	NP	0.11	**21,000**	**110**	**190**	**310**	**2,600**	**7,900**	**7,800**	--	--	--	--	--	--	--
	9/8/1999	7.62	8.15	NP	-0.53	**23,300**	**477**	**138**	**286**	**4,110**	**16,400**	**15,300**	--	--	--	--	--	--	--
	12/7/1999	7.62	8.31	NP	-0.69	**4,840**	**17.2**	ND	ND	**157**	**14,900**	**15,600**	--	--	--	--	--	--	--
	3/13/2000	7.62	6.69	NP	0.93	**11,000**	**380**	160	ND	**2,100**	**22,000**	**26,000**	--	--	--	--	--	--	--
	6/21/2000	7.62	7.67	NP	-0.05	**9,100**	**22**	ND	ND	**800**	**16,000**	**22,000**	--	--	--	--	--	--	--
	9/27/2000	7.62	7.44	NP	0.18	**2,900**	**43**	ND	ND	**39**	**20,000**	**26,000**	--	--	--	--	--	--	--
	12/12/2000	7.62	7.51	NP	0.11	**3,600**	**17**	ND	ND	**87**	**8,000**	**7,800**	--	--	--	--	--	--	--
	3/7/2001	7.62	7.15	NP	0.47	**1,670**	**51.0**	ND	**7.20**	**20**	**5,930**	**7,900**	ND	ND	ND	ND	ND	ND	ND
	6/6/2001	7.62	7.57	NP	0.05	**1,100**	**14**	ND	**9.3**	**35**	**9,200**	**10,000**	ND	ND	ND	ND	ND	ND	ND
	9/24/2001	7.62	7.63	NP	-0.01	**1,000**	**25**	<2.5	**12**	**100**	**9,800**	**11,000**	<1000	<1000	<1000	<20000	<400000	<1000	<1000
	12/10/2001	7.62	6.78	NP	0.84	**83**	**14**	**0.55**	**3.4**	**6.8**	**2,500**	**2,500**	<50	<50	<50	<2000	<4000	<50	<50
	3/11/2002	7.62	7.11	NP	0.51	<1000	**28**	<10	**40**	**31**	**11,000**	**11,000**	<200	<200	<200	<10000	<50000	<200	<200
	6/4/2002	7.62	7.17	NP	0.45	**7,700**	**32**	<25	**33**	**48**	**14,000**	--	--	--	--	--	--	--	--
	9/3/2002	7.62	7.57	NP	0.05	**5,200**	<25	<25	<25	<25	**11,000**	**15,000**	<1000	<1000	<1000	<50000	<250000	<1000	<1000
	12/3/2002	7.62	7.67	NP	-0.05	<5000	<50	<50	<50	<100	--	**3,200**	<200	<200	<200	<10000	<50000	<200	<200
	3/4/2003	7.62	7.76	NP	-0.14	**8,100**	<50	<50	<50	<100	--	**7,800**	<200	<200	<200	<10000	<50000	<200	<200
	6/18/2003	7.62	6.86	NP	0.76	**11,000**	<50	<50	<50	<100	--	**16,000**	<200	<200	<200	<10000	<50000	<200	<200
	9/24/2003	7.62	7.48	NP	0.14	<10000	<100	<100	<100	<200	--	**10,000**	<400	<400	<400	<20000	<100000	<400	<400
	12/2/2003	7.62	7.94	NP	-0.32	<10000	<100	<100	<100	<200	--	**10,000**	--	--	--	--	<100000	--	--
	3/30/2004	7.62	7.07	NP	0.55	**12,000**	<100	<100	<100	<200	--	**11,000**	<200	<100	<100	**2,400**	<10000	<100	<100
	6/7/2004	7.62	7.75	NP	-0.13	**14,000**	<100	<100	<100	<200	--	**13,000**	<200	<100	<100	**2,600**	<10000	<100	<100
	9/9/2004	7.62	8.64	NP	-1.02	<10000	<100	<100	<100	<200	--	**9,500**	<200	<100	<100	**2,700**	<10000	<100	<100
	12/20/2004	7.62	7.73	NP	-0.11	<5000	<50	<50	<50	<100	--	**11,000**	<100	<50	<50	**3,500**	<5000	<50	<50
	3/28/2005	7.62	6.23	NP	1.39	**12,000**	<50	<50	**160**	**120**	--	**7,000**	<50	<50	<0.50	**830**	<5000	<50	<50
	6/14/2005	7.62	7.05	NP	0.57	**2,000**	**0.75**	<0.50	**3.7**	**1.1**	--	**2,400**	<20	<20	<20	**10,000**	<2000	<20	<20
	9/28/2005	7.62	8.00	NP	-0.38	**320**	<0.50	<0.50	<0.50	<1.0	--	**80**	<0.50	<0.50	<0.50	**13,000**	<250	<0.50	<0.50
	12/29/2005	7.62	7.23	NP	0.39	<50	<0.50	<0.50	<0.50	<1.0	--	**35**	<0.50	<0.50	<0.50	**11,000**	<250	<0.50	<0.50
	3/27/2006	7.62	5.30	NP	2.32	**2,400**	**31**	**0.73**	**120**	**15**	--	**1,400**	--	--	--	--	<250	--	--
	6/12/2006	7.62	6.25	NP	1.37	<1200	<12	<12	**17**	<25	--	**490**	--	--	--	--	<6200	--	--
	9/21/2006	7.62	6.00	NP	1.62	**440**	**6.1**	<0.50	**2**	<0.50	--	**1,100**	--	--	--	--	<250	--	--
	12/21/2006	7.62	6.07	NP	1.55	**670**	**10**	<0.50	**52**	**1.2**	--	**730**	--	--	--	--	<250	--	--
	3/28/2007	7.62	5.05	NP	2.57	**3,300**	**36**	<5.0	**200**	**6.8**	--	**1,200**	<5.0	<5.0	<5.0	**4,000**	<2500	<5.0	<5.0
	6/27/2007	7.62	4.80	NP	2.82	**5,100**	**94**	<5.0	**640**	**7.1**	--	**1,100**	<5.0	<5.0	<5.0	**3,000**	<2500	<5.0	<5.0
	9/26/2007	7.62	4.73	NP	2.89	**3,900**	**54**	<5.0	**240**	**240**	--	**670**	--	--	--	--	<2500	--	--
	12/27/2007	7.62	5.80	NP	1.82	**2,200**	**21**	<5.0	**77**	**16**	--	**470**	--	--	--	--	<2500	--	--
	3/26/2008	7.62	5.61	NP	2.01	**4,300**	**45**	<2.5	**210**	**77**	--	**580**	--	--	--	--	<1200	--	--
	6/18/2008	7.62	5.30	NP	2.32	**5,400**	**31**	<5.0	**270**	**38**	--	**250**	--	--	--	--	<2500	--	--
	9/24/2008	7.62	5.09	NP	2.53	**4,400**	**24**	<0.50	**190**	**24**	--	**300**	--	--	--	--	<250	--	--
	12/22/2008	7.62	4.98	NP	2.64	**6,200**	**24**	<0.50	**160**	**31**	--	**160**	--	--	--	--	<250	--	--
	3/26/2009	7.62	5.17	NP	2.45	**5,200**	**9**	<2.5	**47**	**22**	--	**150**	--	--	--	--	<1200	--	--
	6/23/2009	7.62	4.90	NP	2.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	7.62	5.18	NP	2.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	7.62	4.97	NP	2.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	**4,900**	**0.64**	<0.50	**19**	<1.5	--	**55.9**	<0.50	<0.50	**0.53**	**3,750**	<250	<1.0	<1.0
	12/20/2010	7.62	4.21	NP	3.41	**5,510**	**0.66**	<0.50	**28**	<1.5	--	**50.7**	<0.50	<0.50	<0.50	**1,090**	<250	<1.0	<1.0
	6/3/2011	7.62	5.12	NP	2.50	**3,280**	<0.50	<0.50	**7.1**	<1.5	--	**33.8**	<0.50	<0.50	<0.50	**1,310**	<250	<1.0	<1.0
	12/5/2011	13.45	5.60	NP	7.85	**4,140**	<0.50	<0.50	**17**	<1.5	--	**17.0**	<0.50	<0.50	<0.50	**1,040**	<250	<1.0	<1.0
	6/6/2012	13.45	6.95	NP	6.50	**1,120**	<0.50	<0.50	<0.50	<1.5	--	**5.6**	<0.50	<0.50	<0.50	**2,320**	<250	<1.0	<1.0
	12/19/2012	13.45	6.65	NP	6.80	**770**	**0.63**	<0.50	**7.9**	**0.56**	--	**28**	<0.50	<0.80	<0.50	**1,600**	<5.0	<0.50	<0.50
U-3	8/10/1990	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	1/7/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	1.8	--	--	--	--	--	--	--	--	--
	4/1/1991	NSVD	NG	NG	NG	ND	1.0	2.9	0.53	5.4	--	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-3	7/3/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	10/9/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/12/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	5/5/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/11/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	8/20/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/22/1993	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	5/7/1993	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	8/8/1993	NSVD	NG	NG	NG	210	5.0	9.7	0.7	4.1	--	--	--	--	--	--	--	--	--
	11/16/1993	7.86	11.81	NP	-3.95	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/16/1994	7.86	11.61	NP	-3.75	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/22/1994	10.98	11.64	NP	-0.66	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/22/1994	10.98	11.76	NP	-0.78	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/24/1994	10.98	11.27	NP	-0.29	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/25/1995	10.98	10.96	NP	0.02	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/21/1995	10.98	11.36	NP	-0.38	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/19/1995	10.98	11.55	NP	-0.57	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/19/1995	10.98	11.44	NP	-0.46	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/18/1996	10.98	11.10	NP	-0.12	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/27/1996	10.98	11.15	NP	-0.17	**440**	**49**	**50**	**51**	**140**	**50**	--	--	--	--	--	--	--	--
	9/26/1996	10.98	11.55	NP	-0.57	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/9/1996	10.98	10.11	NP	0.87	ND	ND	ND	ND	ND	**29**	--	--	--	--	--	--	--	--
	3/14/1997	10.98	10.86	NP	0.12	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/30/1997	10.98	11.07	NP	-0.09	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/19/1997	10.98	11.05	NP	-0.07	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/1997	10.98	10.57	NP	0.41	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/3/1998	10.98	9.84	NP	1.14	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/15/1998	10.98	10.56	NP	0.42	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/30/1998	10.98	11.11	NP	-0.13	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/28/1998	10.98	10.96	NP	0.02	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/22/1999	10.98	9.46	NP	1.52	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/9/1999	10.98	11.01	NP	-0.03	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/8/1999	10.98	11.31	NP	-0.33	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/7/1999	10.98	11.26	NP	-0.28	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/13/2000	10.98	8.27	NP	2.71	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/21/2000	10.98	11.11	NP	-0.13	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/27/2000	10.98	11.06	NP	-0.08	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/2000	10.98	10.93	NP	0.05	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/7/2001	10.98	8.31	NP	2.67	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/6/2001	10.98	10.93	NP	0.05	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/24/2001	10.98	11.02	NP	-0.04	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	12/10/2001	10.98	8.15	NP	2.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	3/11/2002	10.98	7.82	NP	3.16	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--	--
	6/4/2002	10.98	10.57	NP	0.41	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	9/3/2002	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	12/3/2002	10.98	10.65	NP	0.33	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	3/4/2003	10.98	10.76	NP	0.22	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	6/18/2003	10.98	10.26	NP	0.72	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	9/24/2003	10.98	10.88	NP	0.10	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	<500	--	--
	12/2/2003	10.98	11.00	NP	-0.02	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	<500	--	--
	3/30/2004	10.98	10.64	NP	0.34	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	6/7/2004	10.98	11.00	NP	-0.02	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	9/9/2004	10.98	11.31	NP	-0.33	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	12/20/2004	10.98	10.78	NP	0.20	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	3/28/2005	10.98	9.80	NP	1.18	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	6/14/2005	10.98	10.75	NP	0.23	<50	<0.50	<0.50	<0.50	1.2	--	<0.50	--	--	--	--	<50	--	--
	9/28/2005	10.98	11.15	NP	-0.17	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-3	12/29/2005	10.98	10.40	NP	0.58	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	3/27/2006	10.98	10.15	NP	0.83	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	6/12/2006	10.98	9.93	NP	1.05	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	9/21/2006	10.98	11.01	NP	-0.03	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	12/21/2006	10.98	10.92	NP	0.06	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	3/28/2007	10.98	10.84	NP	0.14	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	6/27/2007	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	9/26/2007	10.98	11.01	NP	-0.03	770	<0.50	<0.50	<0.50	<0.50	--	**18**	--	--	--	--	<250	--	--
	12/27/2007	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<1.0	--	**0.63**	--	--	--	--	<250	--	--
	3/26/2008	10.98	10.84	NP	0.14	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	6/18/2008	10.98	10.89	NP	0.09	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	9/24/2008	10.98	10.89	NP	0.09	<50	<0.50	<0.50	<0.50	<1.0	--	**0.87**	--	--	--	--	<250	--	--
	12/22/2008	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	3/26/2009	10.98	10.69	NP	0.29	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	6/23/2009	10.98	10.40	NP	0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	10.98	11.10	NP	-0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	10.98	10.67	NP	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	10.98	10.74	NP	0.24	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	12/20/2010	10.98	10.37	NP	0.61	<50.0	<0.50	<0.50	<0.50	<1.5	--	**0.91**	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	6/3/2011	10.98	10.54	NP	0.44	<50.0	<0.50	<0.50	<0.50	<1.5	--	**0.73**	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	12/5/2011	16.37	10.59	NP	5.78	<50.0	<0.50	<0.50	<0.50	<1.5	--	**1.4**	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	6/6/2012	16.37	10.47	NP	5.90	<50.0	<0.50	<0.50	<0.50	<1.5	--	**0.78**	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	12/19/2012	16.37	10.50	NP	5.87	<50	<0.50	<0.50	<0.50	<0.50	--	**0.55**	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
U-4	6/22/1994	11.15	10.15	NP	1.00	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/22/1994	11.15	10.78	NP	0.37	ND	**0.78**	**1.3**	ND	**1.4**	--	--	--	--	--	--	--	--	--
	12/24/1994	11.15	9.81	NP	1.34	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/25/1995	11.15	9.51	NP	1.64	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/21/1995	11.15	9.53	NP	1.62	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/19/1995	11.15	10.17	NP	0.98	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/19/1995	11.15	9.97	NP	1.18	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/18/1996	11.15	9.65	NP	1.50	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/27/1996	11.15	9.73	NP	1.42	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/26/1996	11.15	10.14	NP	1.01	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/9/1996	11.15	8.67	NP	2.48	ND	ND	ND	ND	ND	**33**	--	--	--	--	--	--	--	--
	3/14/1997	11.15	9.35	NP	1.80	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/30/1997	11.15	9.89	NP	1.26	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/19/1997	11.15	9.96	NP	1.19	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/1997	11.15	8.56	NP	2.59	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/3/1998	11.15	7.84	NP	3.31	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/15/1998	11.15	9.07	NP	2.08	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/30/1998	11.15	9.75	NP	1.40	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/28/1998	11.15	9.59	NP	1.56	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/22/1999	11.15	8.34	NP	2.81	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/9/1999	11.15	9.39	NP	1.76	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/8/1999	11.15	9.89	NP	1.26	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/7/1999	11.15	10.05	NP	1.10	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/13/2000	11.15	7.23	NP	3.92	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/21/2000	11.15	9.47	NP	1.68	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/27/2000	11.15	9.42	NP	1.73	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/2000	11.15	9.50	NP	1.65	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/7/2001	11.15	6.88	NP	4.27	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/6/2001	11.15	9.18	NP	1.97	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/24/2001	11.15	9.21	NP	1.94	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	12/10/2001	11.15	7.32	NP	3.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	3/11/2002	11.15	6.92	NP	4.23	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--	--
	6/4/2002	11.15	7.57	NP	3.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	9/3/2002	11.15	9.17	NP	1.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-4	12/3/2002	11.15	9.19	NP	1.96	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	3/4/2003	11.15	9.31	NP	1.84	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	6/18/2003	11.15	7.65	NP	3.50	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	9/24/2003	11.15	8.26	NP	2.89	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	<500	--	--
	12/2/2003	11.15	9.15	NP	2.00	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	<500	--	--
	3/30/2004	11.15	7.46	NP	3.69	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	6/7/2004	11.15	8.93	NP	2.22	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	9/9/2004	11.15	9.82	NP	1.33	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	12/20/2004	11.15	8.27	NP	2.88	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	3/28/2005	11.15	6.34	NP	4.81	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	6/14/2005	11.15	8.10	NP	3.05	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<50	--	--
	9/28/2005	11.15	9.59	NP	1.56	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	12/29/2005	11.15	7.13	NP	4.02	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	3/27/2006	11.15	6.26	NP	4.89	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	6/12/2006	11.15	8.44	NP	2.71	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	9/21/2006	11.15	9.63	NP	1.52	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	12/21/2006	11.15	8.50	NP	2.65	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	3/28/2007	11.15	8.00	NP	3.15	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	6/27/2007	11.15	8.77	NP	2.38	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	9/26/2007	11.15	9.07	NP	2.08	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	12/27/2007	11.15	8.63	NP	2.52	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	3/26/2008	11.15	7.86	NP	3.29	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	6/18/2008	11.15	8.82	NP	2.33	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	9/24/2008	11.15	9.50	NP	1.65	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	12/22/2008	11.15	8.55	NP	2.60	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	3/26/2009	11.15	7.21	NP	3.94	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	6/23/2009	11.15	8.40	NP	2.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	11.15	9.10	NP	2.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	11.15	8.30	NP	2.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	12/20/2010	11.15	7.60	NP	3.55	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	6/3/2011	11.15	8.02	NP	3.13	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	12/5/2011	16.55	8.98	NP	7.57	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	6/6/2012	16.55	7.70	NP	8.85	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	12/19/2012	16.55	8.63	NP	7.92	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
U-5	6/22/1994	6.98	6.82	NP	0.16	**210**	**7.1**	**13**	**4.5**	**26**	--	--	--	--	--	--	--	--	--
	9/22/1994	6.98	6.90	NP	0.08	**170**	**8.4**	**10**	**8.5**	**18**	--	--	--	--	--	--	--	--	--
	12/24/1994	6.98	6.42	NP	0.56	**8,700**	**560**	**70**	**670**	**430**	--	--	--	--	--	--	--	--	--
	3/25/1995	6.98	6.34	NP	0.64	**44,000**	**390**	**960**	**1,500**	**7,600**	--	--	--	--	--	--	--	--	--
	6/21/1995	6.98	7.11	NP	-0.13	**400**	**2.3**	ND	**9.1**	**3.5**	--	--	--	--	--	--	--	--	--
	9/19/1995	6.98	6.98	NP	0.00	**850**	**14**	**7.1**	**13**	**66**	--	--	--	--	--	--	--	--	--
	12/19/1995	6.98	7.17	NP	-0.19	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/18/1996	6.98	6.65	NP	0.33	**100**	**0.67**	**0.5**	**0.51**	5.4	--	--	--	--	--	--	--	--	--
	6/27/1996	6.98	6.48	NP	0.50	**16,000**	**280**	**150**	**1,400**	**4,600**	**530**	--	--	--	--	--	--	--	--
	9/26/1996	6.98	7.13	NP	-0.15	ND	ND	**0.57**	ND	**0.96**	ND	--	--	--	--	--	--	--	--
	12/9/1996	6.98	5.90	NP	1.08	**1,300**	**29**	**46**	ND	**140**	**97**	--	--	--	--	--	--	--	--
	3/14/1997	6.98	6.98	NP	0.00	ND	ND	ND	ND	ND	**14**	--	--	--	--	--	--	--	--
	6/30/1997	6.98	7.07	NP	-0.09	**4,200**	**74**	**51**	**180**	**980**	**270**	--	--	--	--	--	--	--	--
	9/19/1997	6.98	6.78	NP	0.20	**6,300**	**160**	**13**	**370**	**1,000**	**480**	--	--	--	--	--	--	--	--
	12/12/1997	6.98	6.94	NP	0.04	**60**	**1.3**	ND	**1.6**	**2.1**	**47**	--	--	--	--	--	--	--	--
	3/3/1998	6.98	6.50	NP	0.48	**1,700**	**29**	ND	**150**	**190**	**330**	--	--	--	--	--	--	--	--
	6/15/1998	6.98	6.84	NP	0.14	**1,500**	**32**	ND	**91**	**83**	**330**	--	--	--	--	--	--	--	--
	9/30/1998	6.98	7.30	NP	-0.32	**1,700**	**44**	ND	**39**	**150**	**60**	--	--	--	--	--	--	--	--
	12/28/1998	6.98	7.25	NP	-0.27	**1,400**	**59**	ND	**13**	**27**	**150**	--	--	--	--	--	--	--	--
	3/22/1999	6.98	6.86	NP	0.12	**780**	**8.9**	ND	**0.76**	**4.5**	**350**	--	--	--	--	--	--	--	--
	6/9/1999	6.98	7.28	NP	-0.30	**1,000**	ND	ND	**10**	**35**	**280**	**350**	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-5	9/8/1999	6.98	7.51	NP	-0.53	**2,620**	**26.2**	ND	**32.2**	**157**	**280**	**239**	--	--	--	--	--	--	--
	12/7/1999	6.98	7.67	NP	-0.69	**949**	**9.26**	ND	**11.2**	**22.7**	**235**	**301**	--	--	--	--	--	--	--
	3/13/2000	6.98	6.73	NP	0.25	**880**	**12**	**1.0**	**5.6**	**8.7**	**46**	**37**	--	--	--	--	--	--	--
	6/21/2000	6.98	7.38	NP	-0.40	**700**	**4.0**	ND	**0.99**	**4.0**	**120**	**140**	--	--	--	--	--	--	--
	9/27/2000	6.98	7.44	NP	-0.46	**400**	**1.9**	ND	ND	**1.5**	**160**	**250**	--	--	--	--	--	--	--
	12/12/2000	6.98	7.67	NP	-0.69	**770**	**3.2**	ND	ND	ND	**27**	**13**	--	--	--	--	--	--	--
	3/7/2001	6.98	6.82	NP	0.16	**623**	**5.15**	ND	ND	**0.669**	**35.7**	**43.4**	ND	ND	ND	ND	ND	ND	ND
	6/6/2001	6.98	7.42	NP	-0.44	**110**	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/24/2001	6.98	7.50	NP	-0.52	**270**	<0.50	<0.50	<0.50	<0.50	**40**	**42**	<10	<10	<10	<200	<4000	<10	<10
	12/10/2001	6.98	6.65	NP	0.33	**420**	**13**	**0.60**	**0.66**	<0.50	<2.5	--	--	--	--	--	--	--	--
	3/11/2002	6.98	7.00	NP	-0.02	**260**	<0.50	<0.50	<0.50	<0.50	**42**	**47**	<2.0	<2.0	<2.0	<100	<500	<2.0	<2.0
	6/4/2002	6.98	6.71	NP	0.27	**170**	<0.50	**0.77**	**0.87**	**0.69**	**29**	--	--	--	--	--	--	--	--
	9/3/2002	6.98	7.46	NP	-0.48	<50	<0.50	<0.50	<0.50	<0.50	**37**	**53**	<2.0	<2.0	<2.0	<100	<500	<2.0	<2.0
	12/3/2002	6.98	6.63	NP	0.35	**320**	<0.50	<0.50	**5.7**	<1.0	--	**11**	<2.0	<2.0	<2.0	<100	<500	<2.0	<2.0
	3/4/2003	6.98	6.75	NP	0.23	**100**	<0.50	<0.50	<0.50	<1.0	--	**44**	<2.0	<2.0	<2.0	<100	<500	<2.0	<2.0
	6/18/2003	6.98	6.25	NP	0.73	**51**	<0.50	<0.50	<0.50	<1.0	--	**36**	<2.0	<2.0	<2.0	<100	<500	<2.0	<2.0
	9/24/2003	6.98	6.86	NP	0.12	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	<500	--	--
	12/2/2003	6.98	7.11	NP	-0.13	<50	<0.50	<0.50	<0.50	<1.0	--	**24**	--	--	--	--	<500	--	--
	3/30/2004	6.98	6.88	NP	0.10	**100**	<0.50	<0.50	<0.50	<1.0	--	**130**	<1.0	<0.50	<0.50	**52**	<50	<0.50	<0.50
	6/7/2004	6.98	8.52	NP	-1.54	**250**	<0.50	<0.50	<0.50	<1.0	--	**160**	<1.0	<0.5	<0.5	**69**	<50	<0.5	<0.5
	9/9/2004	6.98	12.27	NP	-5.29	**340**	<0.50	<0.50	<0.50	<1.0	--	**260**	<1.0	<0.50	<0.50	**130**	<50	<0.50	<0.50
	12/20/2004	6.98	7.51	NP	-0.53	**130**	<0.50	<0.50	**1.9**	**2.0**	--	**120**	--	--	--	--	<50	--	--
	3/28/2005	6.98	7.21	NP	-0.23	**670**	<2.0	<2.0	<2.0	<4.0	--	**230**	<0.50	<0.50	<0.50	**150**	<50	<0.50	<0.50
	6/14/2005	6.98	7.46	NP	-0.48	**160**	<0.50	<0.50	<0.50	<1.0	--	**400**	<0.50	<0.50	<0.50	**160**	<100	<0.50	<0.50
	9/28/2005	6.98	9.59	NP	-2.61	**460**	<0.50	<0.50	<0.50	<1.0	--	**370**	<0.50	<0.50	<0.50	**220**	<250	<0.50	<0.50
	12/29/2005	6.98	7.53	NP	-0.55	**150**	<0.50	<0.50	<0.50	<1.0	--	**190**	<0.50	<0.50	<0.50	**280**	<250	<0.50	<0.50
	3/27/2006	6.98	6.28	NP	0.70	**450**	<0.50	<0.50	**8.3**	<1.0	--	**70**	--	--	--	--	<250	--	--
	6/12/2006	6.98	6.44	NP	0.54	**370**	<0.50	<0.50	<0.50	<1.0	--	**61**	--	--	--	--	<250	--	--
	9/21/2006	6.98	6.59	NP	0.39	**130**	<0.50	<0.50	<0.50	<0.50	--	**35**	--	--	--	--	<250	--	--
	12/21/2006	6.98	6.92	NP	0.06	**230**	<0.50	<0.50	0.58	<0.50	--	**11**	--	--	--	--	<250	--	--
	3/28/2007	6.98	5.11	NP	1.87	**400**	<0.50	<0.50	**5.4**	<0.50	--	**13**	<0.50	<0.50	<0.50	**870**	<250	<0.50	<0.50
	6/27/2007	6.98	4.40	NP	2.58	**210**	<0.50	<0.50	**2.4**	<0.50	--	**18**	<0.50	<0.50	<0.50	**220**	<250	<0.50	<0.50
	9/26/2007	6.98	4.71	NP	2.27	**740**	<0.50	<0.50	<0.50	<0.50	--	**18**	--	--	--	--	<250	--	--
	12/27/2007	6.98	6.76	NP	0.22	**180**	<0.50	<0.50	<0.50	<1.0	--	**18**	--	--	--	--	<250	--	--
	3/26/2008	6.98	6.40	NP	0.58	**310**	<0.50	**0.64**	**1.3**	**1.0**	--	**27**	--	--	--	--	<250	--	--
	6/18/2008	6.98	5.71	NP	1.27	**790**	<0.50	<0.50	**2.4**	<1.0	--	**22**	--	--	--	--	<250	--	--
	9/24/2008	6.98	5.44	NP	1.54	**860**	**1.2**	<0.50	**3.2**	**3.7**	--	**16**	--	--	--	--	<250	--	--
	12/22/2008	6.98	6.82	NP	0.16	**620**	<0.50	<0.50	**0.54**	**1.3**	--	**13**	--	--	--	--	<250	--	--
	3/26/2009	6.98	6.19	NP	0.79	**310**	<0.50	<0.50	<0.50	<1.0	--	**9.4**	--	--	--	--	<250	--	--
	6/23/2009	6.98	5.50	NP	1.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	6.98	6.02	NP	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	6.98	5.51	NP	1.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	6.98	5.71	NP	1.27	**144**	<0.50	<0.50	<0.50	<1.5	--	**3.8**	<0.50	<0.50	<0.50	**66.6**	<250	<1.0	<1.0
	12/20/2010	6.98	5.82	NP	1.16	**164**	<0.50	<0.50	<0.50	<1.5	--	**3.9**	<0.50	<0.50	<0.50	**67.7**	<250	<1.0	<1.0
	6/3/2011	6.98	6.05	NP	0.93	**85.0**	<0.50	<0.50	<0.50	<1.5	--	**3.0**	<0.50	<0.50	<0.50	**61.6**	<250	<1.0	<1.0
	12/5/2011	12.77	5.83	NP	6.94	**279**	<0.50	<0.50	<0.50	<1.5	--	**3.8**	<0.50	<0.50	<0.50	**86.6**	<250	<1.0	<1.0
	6/6/2012	12.77	6.90	NP	5.87	**66.3**	<0.50	<0.50	<0.50	<1.5	--	**2.4**	<0.50	<0.50	<0.50	**46.3**	<250	<1.0	<1.0
	12/19/2012	12.77	7.36	NP	5.41	**88**	<0.50	<0.50	<0.50	<0.50	--	**5.1**	<0.50	<0.50	<0.50	**110**	<5.0	<0.50	<0.50
U-6	6/22/1994	7.14	7.13	NP	0.01	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/22/1994	7.14	7.34	NP	-0.20	**130**	**1.3**	**0.8**	ND	**0.73**	--	--	--	--	--	--	--	--	--
	12/24/1994	7.14	6.67	NP	0.47	**6,900**	**500**	**59**	**600**	**380**	--	--	--	--	--	--	--	--	--
	3/25/1995	7.14	6.28	NP	0.86	**47,000**	**450**	**1,300**	**1,700**	**8,200**	--	--	--	--	--	--	--	--	--
	6/21/1995	7.14	7.59	NP	-0.45	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/19/1995	7.14	7.69	NP	-0.55	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/19/1995	7.14	7.75	NP	-0.61	**210**	**2.5**	**1.0**	**2.9**	**17**	--	--	--	--	--	--	--	--	--
	3/18/1996	7.14	6.86	NP	0.28	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-6	6/27/1996	7.14	6.51	NP	0.63	ND	ND	ND	ND	ND	**510**	--	--	--	--	--	--	--	--
	9/26/1996	7.14	7.61	NP	-0.47	ND	ND	ND	ND	ND	**1,400**	--	--	--	--	--	--	--	--
	12/9/1996	7.14	5.88	NP	1.26	**1,200**	**29**	**48**	**6.4**	**140**	**58**	--	--	--	--	--	--	--	--
	3/14/1997	7.14	7.30	NP	-0.16	ND	ND	ND	ND	ND	**1,500**	--	--	--	--	--	--	--	--
	6/30/1997	7.14	7.34	NP	-0.20	ND	ND	ND	ND	ND	**990**	--	--	--	--	--	--	--	--
	9/19/1997	7.14	7.25	NP	-0.11	ND	ND	ND	ND	ND	**1,400**	--	--	--	--	--	--	--	--
	12/12/1997	7.14	7.28	NP	-0.14	ND	ND	ND	ND	ND	**680**	--	--	--	--	--	--	--	--
	3/3/1998	7.14	7.00	NP	0.14	ND	ND	ND	ND	ND	**1,600**	--	--	--	--	--	--	--	--
	6/15/1998	7.14	7.17	NP	-0.03	ND	ND	ND	ND	ND	**1,000**	--	--	--	--	--	--	--	--
	9/30/1998	7.14	7.90	NP	-0.76	ND	ND	ND	ND	ND	**1,200**	--	--	--	--	--	--	--	--
	12/28/1998	7.14	7.78	NP	-0.64	ND	ND	ND	ND	ND	**730**	--	--	--	--	--	--	--	--
	3/22/1999	7.14	7.46	NP	-0.32	ND	ND	ND	ND	ND	**1,800**	--	--	--	--	--	--	--	--
	6/9/1999	7.14	7.73	NP	-0.59	ND	ND	ND	ND	ND	**1,000**	**850**	--	--	--	--	--	--	--
	9/8/1999	7.14	7.94	NP	-0.80	ND	ND	ND	ND	ND	**851**	**1,040**	--	--	--	--	--	--	--
	12/7/1999	7.14	8.10	NP	-0.96	ND	ND	ND	ND	ND	**1,140**	**1,150**	--	--	--	--	--	--	--
	3/13/2000	7.14	6.94	NP	0.20	ND	ND	ND	ND	ND	**560**	**670**	--	--	--	--	--	--	--
	6/21/2000	7.14	7.84	NP	-0.70	ND	ND	ND	ND	ND	**400**	**590**	--	--	--	--	--	--	--
	9/27/2000	7.14	7.67	NP	-0.53	ND	ND	ND	ND	ND	**2,500**	**2,800**	--	--	--	--	--	--	--
	12/12/2000	7.14	7.73	NP	-0.59	ND	ND	ND	ND	ND	**590**	**580**	--	--	--	--	--	--	--
	3/7/2001	7.14	7.26	NP	-0.12	ND	ND	ND	ND	ND	**310**	**321**	ND	ND	ND	ND	ND	ND	ND
	6/6/2001	7.14	7.80	NP	-0.66	ND	ND	ND	ND	ND	**250**	**330**	ND	ND	ND	ND	ND	ND	ND
	9/24/2001	7.14	7.82	NP	-0.68	<50	<0.50	<0.50	<0.50	<0.50	**530**	**660**	<100	<100	<100	<2000	<40000	<100	<100
	12/10/2001	7.14	7.15	NP	-0.01	<50	<0.50	<0.50	<0.50	<0.50	**220**	**220**	<5.0	<5.0	<5.0	<200	<400	<5.0	<5.0
	3/11/2002	7.14	7.32	NP	-0.18	<50	<0.50	<0.50	<0.50	<0.50	**720**	**760**	<8.0	<8.0	<8.0	<400	<2000	<8.0	<8.0
	6/4/2002	7.14	7.17	NP	-0.03	**250**	<1.0	<1.0	<1.0	<1.0	**470**	--	--	--	--	--	--	--	--
	9/3/2002	7.14	7.71	NP	-0.57	**420**	<2.5	<2.5	<2.5	**4.7**	**860**	**1,200**	<40	<40	<40	<2000	<10000	<40	<40
	12/3/2002	7.14	6.92	NP	0.22	<500	<5.0	<5.0	<5.0	<10	--	**870**	<20	<20	<20	<1000	<5000	<20	<20
	3/4/2003	7.14	7.01	NP	0.13	**2,300**	<10	<10	<10	<20	--	**2,700**	<40	<40	<40	<2000	<10000	<40	<40
	6/18/2003	7.14	6.59	NP	0.55	**1,300**	<10	<10	<10	<20	--	**1,700**	<40	<40	<40	<2000	<10000	<40	<40
	9/24/2003	7.14	7.23	NP	-0.09	<10000	<100	<100	<100	<200	--	**1,500**	<400	<400	<400	<20000	<100000	<400	<400
	12/2/2003	7.14	7.80	NP	-0.66	**1,300**	<10	<10	<10	<20	--	**1,800**	--	--	--	--	<10000	--	--
	3/30/2004	7.14	7.32	NP	-0.18	**1,200**	<10	<10	<10	<20	--	**1,700**	<20	<10	<10	**770**	<1000	<10	<10
	6/7/2004	7.14	9.35	NP	-2.21	**1,700**	<10	<10	<10	<20	--	**1,800**	<20	<10	<10	**110**	<1000	<10	<10
	9/9/2004	7.14	12.81	NP	-5.67	<1000	<10	<10	<10	<20	--	**1,400**	<20	<10	<10	**1,900**	<1000	<10	<10
	12/20/2004	7.14	7.96	NP	-0.82	**320**	<2.5	<2.5	<2.5	<5.0	--	**65**	<5.0	<2.5	<2.5	**5,000**	<250	<2.5	<2.5
	3/28/2005	7.14	7.07	NP	0.07	<50	<0.50	<0.50	<0.50	<1.0	--	**150**	<0.50	<0.50	<0.50	**990**	--	<2.5	<0.50
	6/14/2005	7.14	7.88	NP	-0.74	<100	<1.0	<1.0	<1.0	<2.0	--	**20**	<0.50	<0.50	<0.50	<5.0	<100	<0.5	<0.5
	9/28/2005	7.14	10.43	NP	-3.29	**150**	<0.50	<0.50	<0.50	<1.0	--	**4.6**	<0.50	<0.50	<0.50	**3,800**	<250	<0.50	<0.50
	12/29/2005	7.14	7.63	NP	-0.49	<50	<0.50	<0.50	<0.50	<1.0	--	**13**	<0.50	<0.50	<0.50	**1,100**	<250	<0.50	<0.50
	3/27/2006	7.14	6.15	NP	0.99	<50	<0.50	<0.50	<0.50	<1.0	--	**8.1**	--	--	--	--	<250	--	--
	6/12/2006	7.14	6.59	NP	0.55	<50	<0.50	<0.50	<0.50	<1.0	--	**6.9**	--	--	--	--	<250	--	--
	9/21/2006	7.14	6.90	NP	0.24	<50	<0.50	<0.50	<0.50	<0.50	--	**3.1**	--	--	--	--	<250	--	--
	12/21/2006	7.14	7.36	NP	-0.22	<50	<0.50	<0.50	<0.50	<0.50	--	**1.2**	--	--	--	--	<250	--	--
	3/28/2007	7.14	3.48	NP	3.66	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	6/27/2007	7.14	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI
	9/26/2007	7.14	2.71	NP	4.43	**54**	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	12/27/2007	7.14	6.96	NP	0.18	<50	<0.50	<0.50	<0.50	<1.0	--	**2.4**	--	--	--	--	<250	--	--
	3/26/2008	7.14	6.55	NP	0.59	<50	<0.50	<0.50	<0.50	<1.0	--	**2.3**	--	--	--	--	<250	--	--
	6/18/2008	7.14	6.71	NP	0.43	<50	<0.50	<0.50	<0.50	<1.0	--	**0.59**	--	--	--	--	<250	--	--
	9/24/2008	7.14	5.50	NP	1.64	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	12/22/2008	7.14	6.48	NP	0.66	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	3/26/2009	7.14	6.09	NP	1.05	<250	<2.5	<2.5	<2.5	<5.0	--	<2.5	--	--	--	--	<1200	--	--
	6/23/2009	7.14	4.80	NP	2.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	7.14	5.31	NP	1.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	7.14	4.77	NP	2.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	7.14	4.97	NP	2.17	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	**11.4**	<250	<1.0	<1.0
	12/20/2010	7.14	4.59	NP	2.55	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-6	6/3/2011	7.14	5.26	NP	1.88	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	12/5/2011	12.88	5.35	NP	7.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	12.88	7.03	NP	5.85	<50.0	<0.50	<0.50	<0.50	<1.5	--	**0.79**	<0.50	<0.50	<0.50	**9.2**	<250	<1.0	<1.0
	12/19/2012	12.88	7.71	NP	5.17	<50	<0.50	<0.50	<0.50	<0.50	--	**1.5**	<0.50	<0.50	<0.50	**42**	<5.0	<0.50	<0.50

Gauging Notes:
TOC - Top of Casing
ft - Feet
NP - LNAPL not present
LNAPL - Light non-aqueous phase liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
NG - Not gauged
WI - Well Inaccessable
NSVD - Not surveyed
DRY - Well is dry
-- - No information available

Analytical Notes:
< - Below Laboratory's indicated reporting limit
DRY - Well was Dry; sample could not be taken
LPH - Liquid Phase Hydrocarbons
ND - Not detected, and detection limit is not known
ug/L - micrograms/liter
WI - Well Inaccessable
TPHg- Total petrolium hydrocarbons as gasoline
MTBE- Methyl tertiary-butyl ether
DIPE- Di-isopropyl ether
ETBE- Ethyl tertiary-butyl ether
TAME- Tertiary-amyl methyl ether
TBA- Tertiary-butyl alcohol
Bold - Above the laboratory's indicated reporting limit

TABLE 2a
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																			
		Acenaphthylene (ug/L)	Acetone (ug/L)	Alkalinity, Total as CaCO3 (ug/L)	Antimony SW6010 D (ug/L)	Antimony SW6010 T (ug/L)	Arsenic SW6010 D (ug/L)	Arsenic SW6010 T (ug/L)	Barium SW6010 D (ug/L)	Barium SW6010 T (ug/L)	Beryllium SW6010 D (ug/L)	Beryllium SW6010 T (ug/L)	Biochemical Oxygen Demand (ug/L)	Bromate (mg/L)	Bromide (mg/L)	Cadmium SW6010 D (ug/L)	Cadmium SW6010 T (ug/L)	Chemical Oxygen Demand (ug/L)	Chloride (ug/L)	Chromium E200.7 T (ug/L)	Chromium, Hexavalent (ug/L)
U-1	6/30/2010	--	<5.0	--	--	<60.0	--	**52.5**	--	**293**	--	<5.0	**23,400**	--	--	--	<5.0	**113,000**	**43,800**	--	--
	12/20/2010	--	<5.0	**371,000**	<60.0	--	**32.5**	--	**237**	--	<5.0	--	**16,700**	--	--	<5.0	--	**41,000**	**46,000**	--	--
	6/3/2011	--	<5.0	--	<60.0	--	**44.0**	--	**224**	--	<5.0	--	**19,600**	<0.005	**0.6**	<5.0	--	**40,400**	**40,700**	<5	<0.2
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-2	6/30/2010	--	**29.5**	--	--	<60.0	--	**100**	--	**264**	--	<5.0	**12,300**	--	--	--	<5.0	**62,100**	**74,000**	--	--
	12/20/2010	--	**13.5**	**754,000**	<60.0	--	**46.4**	--	**209**	--	<5.0	--	**17,300**	--	--	<5.0	--	**65,500**	**61,400**	--	--
	6/3/2011	--	<5.0	--	<60.0	--	**64.4**	--	**190**	--	<5.0	--	<2000	<0.005	**1.2**	<5.0	--	**65,600**	**57,700**	<5	<0.2
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-3	12/20/2010	--	--	**312,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-4	6/30/2010	--	<5.0	--	--	<60.0	--	<10.0	--	<100	--	<5.0	<2000	--	--	--	<5.0	<5000	**41,100**	--	--
	12/20/2010	--	<5.0	**352,000**	<60.0	--	<20.0	--	<100	--	<5.0	--	<2000	--	--	<5.0	--	**9,090**	**43,500**	--	--
	6/3/2011	--	<5.0	--	<60.0	--	<20.0	--	<100	--	<5.0	--	**11,500**	<0.005	**0.64**	<5.0	--	**9,530**	**40,600**	<5	**1.5**
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-5	12/20/2010	--	--	**319,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-6	12/20/2010	--	--	**87,800**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analytical Notes:
< - Below Laboratory's indicated reporting limit
DRY - Well was Dry; sample could not be taken
LPH - Liquid Phase Hydrocarbons
mg/L - milligrams per liter
ug/L - micrograms/liter
Bold - Above the laboratory's indicated reporting limit

TABLE 2b
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																			
		Cobalt SW6010 D (ug/L)	Cobalt SW6010 T (ug/L)	Coliform, Total (MPN/100ML)	E. Coli (MPN/100ML)	Inorganic Carbon (mg/L)	Iron SW6010 T (ug/L)	Iron, Ferric (ug/L)	Iron, Ferrous A3500D (ug/L)	Lead SW6010 D (ug/L)	Lead SW6010 T (ug/L)	Manganese SW6010 D (ug/L)	Manganese SW6010 T (ug/L)	Mercury SW7470A D (ug/L)	Mercury SW7470A T (ug/L)	Methane (ug/L)	Molybdenum SW6010 D (ug/L)	Molybdenum SW6010 T (ug/L)	Nickel SW6010 D (ug/L)	Nickel SW6010 T (ug/L)	Nitrate as N (ug/L)
U-1	6/15/1998	--	--	--	--	--	--	--	**39,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/30/1998	--	--	--	--	--	--	--	**17,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/28/1998	--	--	--	--	--	--	--	**4,300**	--	--	--	--	--	--	--	--	--	--	--	**6,300**
	3/22/1999	--	--	--	--	--	--	--	**4,900**	--	--	--	--	--	--	--	--	--	--	--	ND
	6/9/1999	--	--	--	--	--	--	--	**1,200**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/8/1999	--	--	--	--	--	--	--	**1,800**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/7/1999	--	--	--	--	--	--	--	**5,700**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/13/2000	--	--	--	--	--	--	--	**8,000**	--	--	--	--	--	--	--	--	--	--	--	**180**
	6/21/2000	--	--	--	--	--	--	--	**9,300**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/27/2000	--	--	--	--	--	--	--	**2,800**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/12/2000	--	--	--	--	--	--	--	**490**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/7/2001	--	--	--	--	--	--	--	**483**	--	--	--	--	--	--	--	--	--	--	--	**2,640**
	6/6/2001	--	--	--	--	--	--	--	**1,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/24/2001	--	--	--	--	--	--	--	**<100**	--	--	--	--	--	--	--	--	--	--	--	**450**
	12/10/2001	--	--	--	--	--	--	--	**14,000**	--	--	--	--	--	--	--	--	--	--	--	<500
	3/11/2002	--	--	--	--	--	--	--	**15,000**	--	--	--	--	--	--	--	--	--	--	--	<500
	6/4/2002	--	--	--	--	--	--	--	<500	--	--	--	--	--	--	--	--	--	--	--	<500
	9/3/2002	--	--	--	--	--	--	--	<500	--	--	--	--	--	--	--	--	--	--	--	<500
	12/3/2002	--	--	--	--	--	--	--	**9,600**	--	--	--	--	--	--	--	--	--	--	--	<1000
	3/4/2003	--	--	--	--	--	--	--	**36,000**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/18/2003	--	--	--	--	--	--	--	**16,000**	--	--	--	--	--	--	--	--	--	--	--	<1000
	9/24/2003	--	--	--	--	--	--	--	**15**	--	--	--	--	--	--	--	--	--	--	--	<1000
	12/2/2003	--	--	--	--	--	--	--	**4,000**	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	**12,000**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/7/2004	--	--	--	--	--	--	--	**660**	--	--	--	--	--	--	--	--	--	--	--	<500
	9/9/2004	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/20/2004	--	--	--	--	--	--	--	**0.015**	--	--	--	--	--	--	--	--	--	--	--	<1000
	3/28/2005	--	--	--	--	--	--	--	**16**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/14/2005	--	--	--	--	--	--	--	**7,100**	--	--	--	--	--	--	--	--	--	--	--	<1000
	9/28/2005	--	--	--	--	--	--	--	**7,300**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/29/2005	--	--	--	--	--	--	--	**9,500**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/27/2006	--	--	--	--	--	--	--	**8,500**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/12/2006	--	--	--	--	--	--	--	**25,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/21/2006	--	--	--	--	--	--	--	**16,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/21/2006	--	--	--	--	--	--	--	**22,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/28/2007	--	--	--	--	--	--	--	**20,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/27/2007	--	--	--	--	--	--	--	**35,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/26/2007	--	--	--	--	--	--	--	**27,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/27/2007	--	--	--	--	--	--	--	**25,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2008	--	--	--	--	--	--	--	**23,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/18/2008	--	--	--	--	--	--	--	**30,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/24/2008	--	--	--	--	--	--	--	**5,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/22/2008	--	--	--	--	--	--	--	**23,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2009	--	--	--	--	--	--	--	**2,400**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	<50.0	--	--	--	**27,700**	**23,700**	**4,000**	--	**13.2**	--	**3,290**	--	<0.20	--	--	<20.0	--	<40.0	<50.0
	12/20/2010	<50.0	--	--	--	--	**10,600**	**7,000**	**3,600**	<10.0	--	**3,020**	--	<0.20	--	--	<20.0	--	<40.0	--	<50.0
	6/3/2011	<50.0	--	**44,000**	<100	**570**	**27,100**	**24,700**	**2,400**	<10.0	--	**2,920**	--	<0.20	--	**983**	<20.0	--	<40.0	--	**52.0**
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-2	3/3/1998	--	--	--	--	--	--	--	**25,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	6/15/1998	--	--	--	--	--	--	--	**42,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/30/1998	--	--	--	--	--	--	--	**25,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/28/1998	--	--	--	--	--	--	--	**28,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/22/1999	--	--	--	--	--	--	--	**680**	--	--	--	--	--	--	--	--	--	--	--	ND
	6/9/1999	--	--	--	--	--	--	--	**500**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/8/1999	--	--	--	--	--	--	--	**1,900**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/7/1999	--	--	--	--	--	--	--	**250**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/13/2000	--	--	--	--	--	--	--	**4,300**	--	--	--	--	--	--	--	--	--	--	--	**310**
	6/21/2000	--	--	--	--	--	--	--	**260**	--	--	--	--	--	--	--	--	--	--	--	ND

TABLE 2b
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																			
		Cobalt SW6010 D (ug/L)	Cobalt SW6010 T (ug/L)	Coliform, Total (MPN/100ML)	E. Coli (MPN/100ML)	Inorganic Carbon (mg/L)	Iron SW6010 T (ug/L)	Iron, Ferric (ug/L)	Iron, Ferrous A3500D (ug/L)	Lead SW6010 D (ug/L)	Lead SW6010 T (ug/L)	Manganese SW6010 D (ug/L)	Manganese SW6010 T (ug/L)	Mercury SW7470A D (ug/L)	Mercury SW7470A T (ug/L)	Methane (ug/L)	Molybdenum SW6010 D (ug/L)	Molybdenum SW6010 T (ug/L)	Nickel SW6010 D (ug/L)	Nickel SW6010 T (ug/L)	Nitrate as N (ug/L)
U-2	9/27/2000	--	--	--	--	--	--	--	**640**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/12/2000	--	--	--	--	--	--	--	**2,700**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/7/2001	--	--	--	--	--	--	--	**677**	--	--	--	--	--	--	--	--	--	--	--	**2,240**
	6/6/2001	--	--	--	--	--	--	--	**800**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/24/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**490**
	12/10/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	<500
	3/11/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	<500
	6/4/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	<500
	9/3/2002	--	--	--	--	--	--	--	<250	--	--	--	--	--	--	--	--	--	--	--	<500
	12/3/2002	--	--	--	--	--	--	--	**9,900**	--	--	--	--	--	--	--	--	--	--	--	<1000
	3/4/2003	--	--	--	--	--	--	--	**8,600**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/18/2003	--	--	--	--	--	--	--	**5,500**	--	--	--	--	--	--	--	--	--	--	--	<1000
	9/24/2003	--	--	--	--	--	--	--	**14**	--	--	--	--	--	--	--	--	--	--	--	<1000
	12/2/2003	--	--	--	--	--	--	--	**2,700**	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/7/2004	--	--	--	--	--	--	--	**210**	--	--	--	--	--	--	--	--	--	--	--	<500
	9/9/2004	--	--	--	--	--	--	--	**930**	--	--	--	--	--	--	--	--	--	--	--	<1000
	12/20/2004	--	--	--	--	--	--	--	**0.87**	--	--	--	--	--	--	--	--	--	--	--	<1000
	3/28/2005	--	--	--	--	--	--	--	**4.0**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/14/2005	--	--	--	--	--	--	--	**3,400**	--	--	--	--	--	--	--	--	--	--	--	<1000
	9/28/2005	--	--	--	--	--	--	--	**4,000**	--	--	--	--	--	--	--	--	--	--	--	<200
	12/29/2005	--	--	--	--	--	--	--	**2,200**	--	--	--	--	--	--	--	--	--	--	--	<200
	3/27/2006	--	--	--	--	--	--	--	**1,100**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/12/2006	--	--	--	--	--	--	--	**1,500**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/21/2006	--	--	--	--	--	--	--	**100**	--	--	--	--	--	--	--	--	--	--	--	33000
	12/21/2006	--	--	--	--	--	--	--	**770**	--	--	--	--	--	--	--	--	--	--	--	<200
	3/28/2007	--	--	--	--	--	--	--	**8,600**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/27/2007	--	--	--	--	--	--	--	**9,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/26/2007	--	--	--	--	--	--	--	**22,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/27/2007	--	--	--	--	--	--	--	**7,600**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2008	--	--	--	--	--	--	--	**11,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/18/2008	--	--	--	--	--	--	--	**16,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/24/2008	--	--	--	--	--	--	--	**4,600**	--	--	--	--	--	--	--	--	--	--	--	<200
	12/22/2008	--	--	--	--	--	--	--	**13,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2009	--	--	--	--	--	--	--	**2,600**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	<50.0	--	--	--	**5,760**	**2,560**	**3,200**	--	<10.0	--	**5,180**	--	<0.20	--	--	**60.3**	--	<40.0	**62.1**
	12/20/2010	<50.0	--	--	--	--	**3,710**	<100	**4,400**	<10.0	--	**5,740**	--	<0.20	--	--	**49.5**	--	<40.0	--	<50.0
	6/3/2011	<50.0	--	**3.1**	<1	**790**	**10,900**	**8,700**	**2,200**	<10.0	--	**4,990**	--	<0.20	--	**291**	**34.5**	--	<40.0	--	<50.0
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-3	6/30/1997	--	--	--	--	--	--	--	**1,400**	--	--	--	--	--	--	--	--	--	--	--	**21,000**
	9/19/1997	--	--	--	--	--	--	--	**570**	--	--	--	--	--	--	--	--	--	--	--	**19,000**
	12/12/1997	--	--	--	--	--	--	--	**1,900**	--	--	--	--	--	--	--	--	--	--	--	**23,000**
	3/3/1998	--	--	--	--	--	--	--	**13**	--	--	--	--	--	--	--	--	--	--	--	**36,000**
	6/15/1998	--	--	--	--	--	--	--	**160**	--	--	--	--	--	--	--	--	--	--	--	**33,000**
	9/30/1998	--	--	--	--	--	--	--	**40**	--	--	--	--	--	--	--	--	--	--	--	**31,000**
	12/28/1998	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**29,000**
	3/22/1999	--	--	--	--	--	--	--	**15**	--	--	--	--	--	--	--	--	--	--	--	**30,000**
	6/9/1999	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**26,000**
	9/8/1999	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**32,900**
	12/7/1999	--	--	--	--	--	--	--	**52**	--	--	--	--	--	--	--	--	--	--	--	**27,900**
	3/13/2000	--	--	--	--	--	--	--	**150**	--	--	--	--	--	--	--	--	--	--	--	**33,000**
	6/21/2000	--	--	--	--	--	--	--	**200**	--	--	--	--	--	--	--	--	--	--	--	**32,000**
	9/27/2000	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**34,000**
	12/12/2000	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**31,000**
	3/7/2001	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**36,500**
	6/6/2001	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**8,000**
	9/24/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**23,000**
	12/10/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**21,000**

TABLE 2b
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																			
		Cobalt SW6010 D (ug/L)	Cobalt SW6010 T (ug/L)	Coliform, Total (MPN/100ML)	E. Coli (MPN/100ML)	Inorganic Carbon (mg/L)	Iron SW6010 T (ug/L)	Iron, Ferric (ug/L)	Iron, Ferrous A3500D (ug/L)	Lead SW6010 D (ug/L)	Lead SW6010 T (ug/L)	Manganese SW6010 D (ug/L)	Manganese SW6010 T (ug/L)	Mercury SW7470A D (ug/L)	Mercury SW7470A T (ug/L)	Methane (ug/L)	Molybdenum SW6010 D (ug/L)	Molybdenum SW6010 T (ug/L)	Nickel SW6010 D (ug/L)	Nickel SW6010 T (ug/L)	Nitrate as N (ug/L)
U-3	3/11/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**30,000**
	6/4/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**18,000**
	9/3/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**28,000**
	12/3/2002	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**20,000**
	3/4/2003	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**18,000**
	6/18/2003	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**17,000**
	9/24/2003	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--	**18,000**
	12/2/2003	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**16,000**
	6/7/2004	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**17,000**
	9/9/2004	--	--	--	--	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	--	**16,000**
	12/20/2004	--	--	--	--	--	--	--	<0.010	--	--	--	--	--	--	--	--	--	--	--	**17,000**
	3/28/2005	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	**17,000**
	6/14/2005	--	--	--	--	--	--	--	<50	--	--	--	--	--	--	--	--	--	--	--	**18,000**
	9/28/2005	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,300**
	12/29/2005	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,300**
	3/27/2006	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,500**
	6/12/2006	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,400**
	9/21/2006	--	--	--	--	--	--	--	170	--	--	--	--	--	--	--	--	--	--	--	**4,400**
	12/21/2006	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,500**
	3/28/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,700**
	6/27/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,500**
	9/26/2007	--	--	--	--	--	--	--	**9,900**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/27/2007	--	--	--	--	--	--	--	**130**	--	--	--	--	--	--	--	--	--	--	--	**4,600**
	3/26/2008	--	--	--	--	--	--	--	**190**	--	--	--	--	--	--	--	--	--	--	--	**5,100**
	6/18/2008	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,900**
	9/24/2008	--	--	--	--	--	--	--	**150**	--	--	--	--	--	--	--	--	--	--	--	**4,700**
	12/22/2008	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,800**
	3/26/2009	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,800**
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	--	**952**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2010	--	--	--	--	--	**812**	--	--	--	--	--	--	--	--	--	--	--	--	--	**4,770**
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-4	6/30/1997	--	--	--	--	--	--	--	**130**	--	--	--	--	--	--	--	--	--	--	--	**35,000**
	9/19/1997	--	--	--	--	--	--	--	**350**	--	--	--	--	--	--	--	--	--	--	--	**30,000**
	12/12/1997	--	--	--	--	--	--	--	**680**	--	--	--	--	--	--	--	--	--	--	--	**31,000**
	3/3/1998	--	--	--	--	--	--	--	**18**	--	--	--	--	--	--	--	--	--	--	--	**3,200**
	6/15/1998	--	--	--	--	--	--	--	**140**	--	--	--	--	--	--	--	--	--	--	--	**33,000**
	9/30/1998	--	--	--	--	--	--	--	**49**	--	--	--	--	--	--	--	--	--	--	--	**31,000**
	12/28/1998	--	--	--	--	--	--	--	**360**	--	--	--	--	--	--	--	--	--	--	--	**31,000**
	3/22/1999	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**30,000**
	6/9/1999	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**35,000**
	9/8/1999	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**24,000**
	12/7/1999	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**27,700**
	3/13/2000	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**33,000**
	6/21/2000	--	--	--	--	--	--	--	**34**	--	--	--	--	--	--	--	--	--	--	--	**32,000**
	9/27/2000	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**28,000**
	12/12/2000	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**30,000**
	3/7/2001	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**33,900**
	6/6/2001	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**7,400**
	9/24/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**24,000**
	12/10/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**19,000**
	3/11/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**31,000**
	6/4/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**27,000**
	9/3/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**28,000**
	12/3/2002	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**20,000**
	3/4/2003	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**26,000**
	6/18/2003	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**31,000**

TABLE 2b
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																			
		Cobalt SW6010 D (ug/L)	Cobalt SW6010 T (ug/L)	Coliform, Total (MPN/100ML)	E. Coli (MPN/100ML)	Inorganic Carbon (mg/L)	Iron SW6010 T (ug/L)	Iron, Ferric (ug/L)	Iron, Ferrous A3500D (ug/L)	Lead SW6010 D (ug/L)	Lead SW6010 T (ug/L)	Manganese SW6010 D (ug/L)	Manganese SW6010 T (ug/L)	Mercury SW7470A D (ug/L)	Mercury SW7470A T (ug/L)	Methane (ug/L)	Molybdenum SW6010 D (ug/L)	Molybdenum SW6010 T (ug/L)	Nickel SW6010 D (ug/L)	Nickel SW6010 T (ug/L)	Nitrate as N (ug/L)
U-4	9/24/2003	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--	**17,000**
	12/2/2003	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**25,000**
	6/7/2004	--	--	--	--	--	--	--	<200	--	--	--	--	--	--	--	--	--	--	--	**24,000**
	9/9/2004	--	--	--	--	--	--	--	<10	--	--	--	--	--	--	--	--	--	--	--	**22,000**
	12/20/2004	--	--	--	--	--	--	--	<0.010	--	--	--	--	--	--	--	--	--	--	--	**20,000**
	3/28/2005	--	--	--	--	--	--	--	**0.060**	--	--	--	--	--	--	--	--	--	--	--	**31,000**
	6/14/2005	--	--	--	--	--	--	--	<50	--	--	--	--	--	--	--	--	--	--	--	**32,000**
	9/28/2005	--	--	--	--	--	--	--	**190**	--	--	--	--	--	--	--	--	--	--	--	**6,800**
	12/29/2005	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**5,300**
	3/27/2006	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**6,400**
	6/12/2006	--	--	--	--	--	--	--	**2,200**	--	--	--	--	--	--	--	--	--	--	--	**6,800**
	9/21/2006	--	--	--	--	--	--	--	**360**	--	--	--	--	--	--	--	--	--	--	--	**5,700**
	12/21/2006	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**5,600**
	3/28/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**5,500**
	6/27/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**5,300**
	9/26/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**5,400**
	12/27/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**5,300**
	3/26/2008	--	--	--	--	--	--	--	**160**	--	--	--	--	--	--	--	--	--	--	--	**5,600**
	6/18/2008	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**5,600**
	9/24/2008	--	--	--	--	--	--	--	**250**	--	--	--	--	--	--	--	--	--	--	--	**5,100**
	12/22/2008	--	--	--	--	--	--	--	**140**	--	--	--	--	--	--	--	--	--	--	--	**4,800**
	3/26/2009	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,400**
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	<50.0	--	--	--	**395**	**395**	<100	--	<10.0	--	**19.7**	--	<0.20	--	--	<20.0	--	<40.0	**4,870**
	12/20/2010	<50.0	--	--	--	--	**118**	**118**	<100	<10.0	--	<15.0	--	<0.20	--	--	<20.0	--	<40.0	--	**4,090**
	6/3/2011	<50.0	--	**14**	<1	**330**	<100	<100	200	<10.0	--	<15.0	--	<0.20	--	<10.0	<20.0	--	<40.0	--	**4,280**
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-5	6/30/1997	--	--	--	--	--	--	--	**16,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/19/1997	--	--	--	--	--	--	--	**220**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/12/1997	--	--	--	--	--	--	--	**6,700**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/3/1998	--	--	--	--	--	--	--	**18,000**	--	--	--	--	--	--	--	--	--	--	--	**3,100**
	6/15/1998	--	--	--	--	--	--	--	**17,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/30/1998	--	--	--	--	--	--	--	**17,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/28/1998	--	--	--	--	--	--	--	**17,000**	--	--	--	--	--	--	--	--	--	--	--	**6,600**
	3/22/1999	--	--	--	--	--	--	--	**120**	--	--	--	--	--	--	--	--	--	--	--	ND
	6/9/1999	--	--	--	--	--	--	--	**230**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/8/1999	--	--	--	--	--	--	--	**2,100**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/7/1999	--	--	--	--	--	--	--	**310**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/13/2000	--	--	--	--	--	--	--	**330**	--	--	--	--	--	--	--	--	--	--	--	**160**
	6/21/2000	--	--	--	--	--	--	--	**150**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/27/2000	--	--	--	--	--	--	--	**330**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/12/2000	--	--	--	--	--	--	--	**86**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/7/2001	--	--	--	--	--	--	--	**1,070**	--	--	--	--	--	--	--	--	--	--	--	**3,020**
	6/6/2001	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	ND
	9/24/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**770**
	12/10/2001	--	--	--	--	--	--	--	**3,700**	--	--	--	--	--	--	--	--	--	--	--	<500
	3/11/2002	--	--	--	--	--	--	--	**100**	--	--	--	--	--	--	--	--	--	--	--	<500
	6/4/2002	--	--	--	--	--	--	--	<250	--	--	--	--	--	--	--	--	--	--	--	<500
	9/3/2002	--	--	--	--	--	--	--	<250	--	--	--	--	--	--	--	--	--	--	--	<500
	12/3/2002	--	--	--	--	--	--	--	**22,000**	--	--	--	--	--	--	--	--	--	--	--	<1000
	3/4/2003	--	--	--	--	--	--	--	**19,000**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/18/2003	--	--	--	--	--	--	--	**11,000**	--	--	--	--	--	--	--	--	--	--	--	<1000
	9/24/2003	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--	**18,000**
	12/2/2003	--	--	--	--	--	--	--	**9,400**	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	**5,900**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/7/2004	--	--	--	--	--	--	--	**3,800**	--	--	--	--	--	--	--	--	--	--	--	<500
	9/9/2004	--	--	--	--	--	--	--	**4,100**	--	--	--	--	--	--	--	--	--	--	--	<1000
	12/20/2004	--	--	--	--	--	--	--	**5.0**	--	--	--	--	--	--	--	--	--	--	--	<1000

TABLE 2b
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																			
		Cobalt SW6010 D (ug/L)	Cobalt SW6010 T (ug/L)	Coliform, Total (MPN/100ML)	E. Coli (MPN/100ML)	Inorganic Carbon (mg/L)	Iron SW6010 T (ug/L)	Iron, Ferric (ug/L)	Iron, Ferrous A3500D (ug/L)	Lead SW6010 D (ug/L)	Lead SW6010 T (ug/L)	Manganese SW6010 D (ug/L)	Manganese SW6010 T (ug/L)	Mercury SW7470A D (ug/L)	Mercury SW7470A T (ug/L)	Methane (ug/L)	Molybdenum SW6010 D (ug/L)	Molybdenum SW6010 T (ug/L)	Nickel SW6010 D (ug/L)	Nickel SW6010 T (ug/L)	Nitrate as N (ug/L)
U-5	3/28/2005	--	--	--	--	--	--	--	**6.5**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/14/2005	--	--	--	--	--	--	--	**7,400**	--	--	--	--	--	--	--	--	--	--	--	**3,600**
	9/28/2005	--	--	--	--	--	--	--	**7,300**	--	--	--	--	--	--	--	--	--	--	--	<500
	12/29/2005	--	--	--	--	--	--	--	**7,300**	--	--	--	--	--	--	--	--	--	--	--	<500
	3/27/2006	--	--	--	--	--	--	--	**6,300**	--	--	--	--	--	--	--	--	--	--	--	<500
	6/12/2006	--	--	--	--	--	--	--	**8,700**	--	--	--	--	--	--	--	--	--	--	--	<200
	9/21/2006	--	--	--	--	--	--	--	**6,800**	--	--	--	--	--	--	--	--	--	--	--	<500
	12/21/2006	--	--	--	--	--	--	--	**15,000**	--	--	--	--	--	--	--	--	--	--	--	<500
	3/28/2007	--	--	--	--	--	--	--	**10,000**	--	--	--	--	--	--	--	--	--	--	--	<200
	6/27/2007	--	--	--	--	--	--	--	**10,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/26/2007	--	--	--	--	--	--	--	**9,200**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/27/2007	--	--	--	--	--	--	--	**5,900**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2008	--	--	--	--	--	--	--	**10,000**	--	--	--	--	--	--	--	--	--	--	--	<200
	6/18/2008	--	--	--	--	--	--	--	**6,700**	--	--	--	--	--	--	--	--	--	--	--	120
	9/24/2008	--	--	--	--	--	--	--	**7,900**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/22/2008	--	--	--	--	--	--	--	**9,200**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2009	--	--	--	--	--	--	--	**990**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	--	**6,650**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2010	--	--	--	--	--	**7,160**	--	--	--	--	--	--	--	--	--	--	--	--	--	<50.0
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-6	6/30/1997	--	--	--	--	--	--	--	**88,000**	--	--	--	--	--	--	--	--	--	--	--	**800**
	9/19/1997	--	--	--	--	--	--	--	**2,900**	--	--	--	--	--	--	--	--	--	--	--	**1,800**
	12/12/1997	--	--	--	--	--	--	--	**51,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/3/1998	--	--	--	--	--	--	--	**60,000**	--	--	--	--	--	--	--	--	--	--	--	**3,500**
	6/15/1998	--	--	--	--	--	--	--	**590,000**	--	--	--	--	--	--	--	--	--	--	--	**4,800**
	9/30/1998	--	--	--	--	--	--	--	**33,000**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/28/1998	--	--	--	--	--	--	--	**83,000**	--	--	--	--	--	--	--	--	--	--	--	**7,200**
	3/22/1999	--	--	--	--	--	--	--	**2,100**	--	--	--	--	--	--	--	--	--	--	--	ND
	6/9/1999	--	--	--	--	--	--	--	**470**	--	--	--	--	--	--	--	--	--	--	--	**200**
	9/8/1999	--	--	--	--	--	--	--	**140**	--	--	--	--	--	--	--	--	--	--	--	**5,590**
	12/7/1999	--	--	--	--	--	--	--	**260**	--	--	--	--	--	--	--	--	--	--	--	ND
	3/13/2000	--	--	--	--	--	--	--	**790**	--	--	--	--	--	--	--	--	--	--	--	**260**
	6/21/2000	--	--	--	--	--	--	--	**1,900**	--	--	--	--	--	--	--	--	--	--	--	ND
	9/27/2000	--	--	--	--	--	--	--	**2,600**	--	--	--	--	--	--	--	--	--	--	--	ND
	12/12/2000	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	**2,700**
	3/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2001	--	--	--	--	--	--	--	**470**	--	--	--	--	--	--	--	--	--	--	--	**150**
	9/24/2001	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**580**
	12/10/2001	--	--	--	--	--	--	--	**990**	--	--	--	--	--	--	--	--	--	--	--	**500**
	3/11/2002	--	--	--	--	--	--	--	**1,200**	--	--	--	--	--	--	--	--	--	--	--	<500
	6/4/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	<500
	9/3/2002	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**580**
	12/3/2002	--	--	--	--	--	--	--	**1,200**	--	--	--	--	--	--	--	--	--	--	--	<1000
	3/4/2003	--	--	--	--	--	--	--	**20,000**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/18/2003	--	--	--	--	--	--	--	**3,200**	--	--	--	--	--	--	--	--	--	--	--	<1000
	9/24/2003	--	--	--	--	--	--	--	**1.4**	--	--	--	--	--	--	--	--	--	--	--	<1000
	12/2/2003	--	--	--	--	--	--	--	**1,400**	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	**2,600**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/7/2004	--	--	--	--	--	--	--	**2,100**	--	--	--	--	--	--	--	--	--	--	--	**800**
	9/9/2004	--	--	--	--	--	--	--	**870**	--	--	--	--	--	--	--	--	--	--	--	<1000
	12/20/2004	--	--	--	--	--	--	--	**2.5**	--	--	--	--	--	--	--	--	--	--	--	<1000
	3/28/2005	--	--	--	--	--	--	--	**3.4**	--	--	--	--	--	--	--	--	--	--	--	<1000
	6/14/2005	--	--	--	--	--	--	--	**4,100**	--	--	--	--	--	--	--	--	--	--	--	**3,800**
	9/28/2005	--	--	--	--	--	--	--	**21,000**	--	--	--	--	--	--	--	--	--	--	--	<200
	12/29/2005	--	--	--	--	--	--	--	**8,300**	--	--	--	--	--	--	--	--	--	--	--	**480**
	3/27/2006	--	--	--	--	--	--	--	**8,800**	--	--	--	--	--	--	--	--	--	--	--	**370**
	6/12/2006	--	--	--	--	--	--	--	**8,500**	--	--	--	--	--	--	--	--	--	--	--	**230**

TABLE 2b
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																			
		Cobalt SW6010 D (ug/L)	Cobalt SW6010 T (ug/L)	Coliform, Total (MPN/100ML)	E. Coli (MPN/100ML)	Inorganic Carbon (mg/L)	Iron SW6010 T (ug/L)	Iron, Ferric (ug/L)	Iron, Ferrous A3500D (ug/L)	Lead SW6010 D (ug/L)	Lead SW6010 T (ug/L)	Manganese SW6010 D (ug/L)	Manganese SW6010 T (ug/L)	Mercury SW7470A D (ug/L)	Mercury SW7470A T (ug/L)	Methane (ug/L)	Molybdenum SW6010 D (ug/L)	Molybdenum SW6010 T (ug/L)	Nickel SW6010 D (ug/L)	Nickel SW6010 T (ug/L)	Nitrate as N (ug/L)
U-6	9/21/2006	--	--	--	--	--	--	--	**2,900**	--	--	--	--	--	--	--	--	--	--	--	**190**
	12/21/2006	--	--	--	--	--	--	--	**11,000**	--	--	--	--	--	--	--	--	--	--	--	**360**
	3/28/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**550**
	6/27/2007	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI
	9/26/2007	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**410**
	12/27/2007	--	--	--	--	--	--	--	**7,700**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2008	--	--	--	--	--	--	--	**19,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/18/2008	--	--	--	--	--	--	--	**2,100,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	9/24/2008	--	--	--	--	--	--	--	**220,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	12/22/2008	--	--	--	--	--	--	--	**290,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	3/26/2009	--	--	--	--	--	--	--	**540,000**	--	--	--	--	--	--	--	--	--	--	--	<100
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	--	**566,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2010	--	--	--	--	--	**28,500**	--	--	--	--	--	--	--	--	--	--	--	--	--	**486**
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analytical Notes:
< - Below Laboratory's indicated reporting limit
DRY - Well was Dry; sample could not be taken
LPH - Liquid Phase Hydrocarbons
mg/L - milligrams per liter
MPN/100ML - most probable number per 100 ml
ND - Not detected, and detection limit is not known
ug/L - micrograms/liter
WI - Well Inaccessable
Bold - Above the laboratory's indicated reporting limit

TABLE 2c
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUND WATER ANALYTICAL DATA																					
		Nitrite as N (ug/L)	Nitrogen (ug/L)	Nitrogen, Ammonia (mg/L)	Nitrogen, NO2 plus NO3 (ug/L)	Nitrogen, Total Kjeldahl (mg/L)	Oxidation Reduction Potential FIELD_PostPurge (MILLIVOLTS)	Oxidation Reduction Potential FIELD_PrePurge (MILLIVOLTS)	Oxygen, Dissolved FIELD_PostPurge (mg/L)	Oxygen, Dissolved FIELD_PrePurge (mg/L)	Phosphate (mg/L)	Phosphate, Ortho (mg/L)	Selenium SW6010 D (ug/L)	Selenium SW6010 T (ug/L)	Silver SW6010 D (ug/L)	Silver SW6010 T (ug/L)	Sulfate (ug/L)	Thallium SW6010 D (ug/L)	Thallium SW6010 T (ug/L)	Vanadium SW6010 D (ug/L)	Vanadium SW6010 T (ug/L)	Zinc SW6010 D (ug/L)	Zinc SW6010 T (ug/L)
U-1	6/15/1998	--	--	--	--	--	**382**	**382**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/30/1998	--	--	--	--	--	**366**	**366**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1998	--	--	--	--	--	**298**	**298**	--	--	**28**	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/1999	--	--	--	--	--	**320**	**320**	--	--	**3.5**	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1999	--	--	--	--	--	**260**	**260**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/8/1999	--	--	--	--	--	**85**	**85**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/1999	--	--	--	--	--	**404**	**404**	--	--	**17.0**	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/2000	--	--	--	--	--	**262**	**262**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2000	--	--	--	--	--	**148**	**148**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2000	--	--	--	--	--	**119**	**119**	--	--	**18.4**	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/2000	--	--	--	--	--	**131**	**131**	--	--	**16.0**	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/2001	--	--	--	--	--	**125**	**125**	--	--	**6.89**	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2001	--	--	--	--	--	**141**	**141**	--	--	**2.7**	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2001	--	--	--	--	--	**125**	**125**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	**141**	**141**	--	--	**2.2**	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	**132**	**132**	--	--	**0.11**	--	--	--	--	--	--	--	--	--	--	--	--
	6/4/2002	--	--	--	--	--	**117**	**117**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2002	--	--	--	--	--	**94**	**94**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2002	--	--	--	--	--	**72**	**72**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/2003	--	--	--	--	--	**-125**	**-125**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2003	--	--	--	--	--	**-48**	**-48**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2003	--	--	--	--	--	**-36**	**-36**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	6/7/2004	--	--	--	--	--	--	--	--	--	--	**6.8**	--	--	--	--	--	--	--	--	--	--	--
	9/9/2004	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/20/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	3/28/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	6/14/2005	--	--	--	--	--	--	--	--	--	--	**12**	--	--	--	--	--	--	--	--	--	--	--
	9/28/2005	--	--	--	--	--	--	--	--	--	--	**39**	--	--	--	--	--	--	--	--	--	--	--
	12/29/2005	--	--	--	--	--	--	--	--	--	--	**21**	--	--	--	--	--	--	--	--	--	--	--
	3/27/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	6/12/2006	--	--	--	--	--	--	--	--	--	--	**0.64**	--	--	--	--	--	--	--	--	--	--	--
	9/21/2006	--	--	--	--	--	--	--	--	--	--	**1.5**	--	--	--	--	--	--	--	--	--	--	--
	12/21/2006	--	--	--	--	--	--	--	--	--	--	**1.0**	--	--	--	--	--	--	--	--	--	--	--
	3/28/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	6/27/2007	--	--	--	--	--	--	--	--	--	--	**0.065**	--	--	--	--	--	--	--	--	--	--	--
	9/26/2007	--	--	--	--	--	--	--	--	--	--	**0.11**	--	--	--	--	--	--	--	--	--	--	--
	12/27/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	3/26/2008	--	--	--	--	--	--	--	--	--	--	**0.12**	--	--	--	--	--	--	--	--	--	--	--
	6/18/2008	--	--	--	--	--	--	--	--	--	--	**0.059**	--	--	--	--	--	--	--	--	--	--	--
	9/24/2008	--	--	--	--	--	--	--	--	--	--	**0.061**	--	--	--	--	--	--	--	--	--	--	--
	12/22/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	3/26/2009	--	--	--	--	--	--	--	--	--	--	**0.11**	--	--	--	--	--	--	--	--	--	--	--
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**131**	**8800**	--	**112**	--	--	--	--	--	--	--	--	<10.0	--	<10.0	<1000	--	<20.0	--	<50.0	--	**107**
	12/20/2010	**111**	**4280**	--	**82.1**	--	--	--	--	--	--	--	<10.0	--	<10.0	--	<1000	<20.0	--	<50.0	--	<40.0	--
	6/3/2011	<10	--	**3.1**	**60.2**	**5.7**	--	--	--	--	--	--	<10.0	--	<10.0	--	<1000	<20.0	--	<50.0	--	<40.0	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-2	3/3/1998	--	--	--	--	--	**369**	**369**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/1998	--	--	--	--	--	**341**	**341**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/30/1998	--	--	--	--	--	**354**	**354**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1998	--	--	--	--	--	**276**	**276**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/1999	--	--	--	--	--	**320**	**320**	--	--	**2.3**	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1999	--	--	--	--	--	**290**	**290**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/8/1999	--	--	--	--	--	**235**	**235**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/1999	--	--	--	--	--	**389**	**389**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/2000	--	--	--	--	--	**184**	**184**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2000	--	--	--	--	--	**136**	**136**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2000	--	--	--	--	--	**142**	**142**	--	--	**10.5**	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/2000	--	--	--	--	--	**155**	**155**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/2001	--	--	--	--	--	**148**	**148**	--	--	**3.02**	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2001	--	--	--	--	--	**163**	**163**	--	--	**2.8**	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2001	--	--	--	--	--	**151**	**151**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	**171**	**171**	--	--	**0.20**	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	**156**	**156**	--	--	**0.65**	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2c
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUND WATER ANALYTICAL DATA																				
		Nitrite as N (ug/L)	Nitrogen (ug/L)	Nitrogen, Ammonia (mg/L)	Nitrogen, NO2 plus NO3 (ug/L)	Nitrogen, Total Kjeldahl (mg/L)	Oxidation Reduction Potential FIELD_PostPurge (MILLIVOLTS)	Oxidation Reduction Potential FIELD_PrePurge (MILLIVOLTS)	Oxygen, Dissolved FIELD_PostPurge (mg/L)	Oxygen, Dissolved FIELD_PrePurge (mg/L)	Phosphate (mg/L)	Phosphate, Ortho (mg/L)	Selenium SW6010 D (ug/L)	Selenium SW6010 T (ug/L)	Silver SW6010 D (ug/L)	Silver SW6010 T (ug/L)	Sulfate (ug/L)	Thallium SW6010 D (ug/L)	Thallium SW6010 T (ug/L)	Vanadium SW6010 D (ug/L)	Vanadium SW6010 T (ug/L)	Zinc SW6010 D (ug/L)	Zinc SW6010 T (ug/L)
U-2	6/4/2002	--	--	--	--	--	**144**	**144**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2002	--	--	--	--	--	**151**	**151**	--	--	**0.26**	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2002	--	--	--	--	--	**94**	**94**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/2003	--	--	--	--	--	**-147**	**-147**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2003	--	--	--	--	--	**-8**	**-8**	--	--	**3.1**	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2003	--	--	--	--	--	**-10**	**-10**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	--	--	--	**2.9**	--	--	--	--	--	--	--	--	--	--	--
	6/7/2004	--	--	--	--	--	--	--	--	--	--	**2.4**	--	--	--	--	--	--	--	--	--	--	--
	9/9/2004	--	--	--	--	--	--	--	--	--	--	**5.9**	--	--	--	--	--	--	--	--	--	--	--
	12/20/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	3/28/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	6/14/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	9/28/2005	--	--	--	--	--	--	--	--	--	--	**7.5**	--	--	--	--	--	--	--	--	--	--	--
	12/29/2005	--	--	--	--	--	--	--	--	--	--	**5**	--	--	--	--	--	--	--	--	--	--	--
	3/27/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	6/12/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	9/21/2006	--	--	--	--	--	--	--	--	--	--	**0**	--	--	--	--	--	--	--	--	--	--	--
	12/21/2006	--	--	--	--	--	--	--	--	--	--	**0**	--	--	--	--	--	--	--	--	--	--	--
	3/28/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	6/27/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	9/26/2007	--	--	--	--	--	--	--	--	--	--	**0.10**	--	--	--	--	--	--	--	--	--	--	--
	12/27/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	3/26/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	6/18/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	9/24/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	12/22/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	3/26/2009	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**19**	**4,330**	--	**82**	--	--	--	--	--	--	--	--	<10.0	--	<10.0	**96,000**	--	<20.0	--	<50.0	--	<40.0
	12/20/2010	**30**	**4,360**	--	<50.0	--	--	--	--	--	--	--	<10.0	--	<10.0	--	**46,500**	<20.0	--	<50.0	--	<40.0	--
	6/3/2011	<10	--	**2**	<50.0	**3**	--	--	--	--	--	--	<10.0	--	<10.0	--	**29,400**	<20.0	--	<50.0	--	<40.0	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-3	6/30/1997	--	--	--	--	--	**190**	**190**	--	--	**0.86**	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/1997	--	--	--	--	--	**75**	**75**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/1997	--	--	--	--	--	**390**	**390**	--	--	**0.85**	--	--	--	--	--	--	--	--	--	--	--	--
	3/3/1998	--	--	--	--	--	**358**	**358**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/1998	--	--	--	--	--	**318**	**318**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/30/1998	--	--	--	--	--	**295**	**295**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1998	--	--	--	--	--	**281**	**281**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/1999	--	--	--	--	--	**310**	**310**	--	--	**0.14**	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1999	--	--	--	--	--	**350**	**350**	--	--	**1.2**	--	--	--	--	--	--	--	--	--	--	--	--
	9/8/1999	--	--	--	--	--	**417**	**417**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/1999	--	--	--	--	--	**437**	**437**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/2000	--	--	--	--	--	**307**	**307**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2000	--	--	--	--	--	**225**	**225**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2000	--	--	--	--	--	**211**	**211**	--	--	**15.7**	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/2000	--	--	--	--	--	**246**	**246**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/2001	--	--	--	--	--	**251**	**251**	--	--	**0.443**	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2001	--	--	--	--	--	**214**	**214**	--	--	**0.18**	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2001	--	--	--	--	--	**198**	**198**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	**188**	**188**	--	--	**0.11**	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	**166**	**166**	--	--	**0.14**	--	--	--	--	--	--	--	--	--	--	--	--
	6/4/2002	--	--	--	--	--	**151**	**151**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2002	--	--	--	--	--	**143**	**143**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2002	--	--	--	--	--	**154**	**154**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/2003	--	--	--	--	--	**-136**	**-136**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2003	--	--	--	--	--	**333**	**333**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2003	--	--	--	--	--	**-50**	**-50**	--	--	**1.4**	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	6/7/2004	--	--	--	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--
	9/9/2004	--	--	--	--	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	--	--	--	--
	12/20/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	3/28/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--

TABLE 2c
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUND WATER ANALYTICAL DATA																					
		Nitrite as N (ug/L)	Nitrogen (ug/L)	Nitrogen, Ammonia (mg/L)	Nitrogen, NO2 plus NO3 (ug/L)	Nitrogen, Total Kjeldahl (mg/L)	Oxidation Reduction Potential FIELD_PostPurge (MILLIVOLTS)	Oxidation Reduction Potential FIELD_PrePurge (MILLIVOLTS)	Oxygen, Dissolved FIELD_PostPurge (mg/L)	Oxygen, Dissolved FIELD_PrePurge (mg/L)	Phosphate (mg/L)	Phosphate, Ortho (mg/L)	Selenium SW6010 D (ug/L)	Selenium SW6010 T (ug/L)	Silver SW6010 D (ug/L)	Silver SW6010 T (ug/L)	Sulfate (ug/L)	Thallium SW6010 D (ug/L)	Thallium SW6010 T (ug/L)	Vanadium SW6010 D (ug/L)	Vanadium SW6010 T (ug/L)	Zinc SW6010 D (ug/L)	Zinc SW6010 T (ug/L)
U-3	6/14/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	9/28/2005	--	--	--	--	--	--	--	--	--	--	**0.66**	--	--	--	--	--	--	--	--	--	--	--
	12/29/2005	--	--	--	--	--	--	--	--	--	--	**0.65**	--	--	--	--	--	--	--	--	--	--	--
	3/27/2006	--	--	--	--	--	--	--	--	--	--	**0.66**	--	--	--	--	--	--	--	--	--	--	--
	6/12/2006	--	--	--	--	--	--	--	--	--	--	**0.64**	--	--	--	--	--	--	--	--	--	--	--
	9/21/2006	--	--	--	--	--	--	--	--	--	--	**0.69**	--	--	--	--	--	--	--	--	--	--	--
	12/21/2006	--	--	--	--	--	--	--	--	--	--	**0.68**	--	--	--	--	--	--	--	--	--	--	--
	3/28/2007	--	--	--	--	--	--	--	--	--	--	**0.67**	--	--	--	--	--	--	--	--	--	--	--
	6/27/2007	--	--	--	--	--	--	--	--	--	--	**0.64**	--	--	--	--	--	--	--	--	--	--	--
	9/26/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	12/27/2007	--	--	--	--	--	--	--	--	--	--	**0.75**	--	--	--	--	--	--	--	--	--	--	--
	3/26/2008	--	--	--	--	--	--	--	--	--	--	**0.64**	--	--	--	--	--	--	--	--	--	--	--
	6/18/2008	--	--	--	--	--	--	--	--	--	--	**0.64**	--	--	--	--	--	--	--	--	--	--	--
	9/24/2008	--	--	--	--	--	--	--	--	--	--	**0.73**	--	--	--	--	--	--	--	--	--	--	--
	12/22/2008	--	--	--	--	--	--	--	--	--	--	**0.73**	--	--	--	--	--	--	--	--	--	--	--
	3/26/2009	--	--	--	--	--	--	--	--	--	--	**0.66**	--	--	--	--	--	--	--	--	--	--	--
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	<10.0	--	--	**4,690**	--	--	--	--	--	--	--	--	--	--	--	**65,800**	--	--	--	--	--	--
	12/20/2010	**13.3**	--	--	**4,780**	--	--	--	--	--	--	--	--	--	--	--	**62,100**	--	--	--	--	--	--
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-4	6/30/1997	--	--	--	--	--	**200**	**200**	--	--	**0.52**	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/1997	--	--	--	--	--	**45**	**45**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/1997	--	--	--	--	--	**380**	**380**	--	--	**0.73**	--	--	--	--	--	--	--	--	--	--	--	--
	3/3/1998	--	--	--	--	--	**284**	**284**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/1998	--	--	--	--	--	**256**	**256**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/30/1998	--	--	--	--	--	**276**	**276**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1998	--	--	--	--	--	**280**	**280**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/1999	--	--	--	--	--	**320**	**320**	--	--	**0.14**	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1999	--	--	--	--	--	**340**	**340**	--	--	**0.91**	--	--	--	--	--	--	--	--	--	--	--	--
	9/8/1999	--	--	--	--	--	**391**	**391**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/1999	--	--	--	--	--	**478**	**478**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/2000	--	--	--	--	--	**244**	**244**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2000	--	--	--	--	--	**248**	**248**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2000	--	--	--	--	--	**198**	**198**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/2000	--	--	--	--	--	**210**	**210**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/2001	--	--	--	--	--	**233**	**233**	--	--	**0.226**	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2001	--	--	--	--	--	**248**	**248**	--	--	**0.21**	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2001	--	--	--	--	--	**262**	**262**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	**242**	**242**	--	--	**0.10**	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	**195**	**195**	--	--	**0.14**	--	--	--	--	--	--	--	--	--	--	--	--
	6/4/2002	--	--	--	--	--	**169**	**169**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2002	--	--	--	--	--	**126**	**126**	--	--	**0.27**	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2002	--	--	--	--	--	**133**	**133**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/2003	--	--	--	--	--	**-148**	**-148**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2003	--	--	--	--	--	**250**	**250**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2003	--	--	--	--	--	**-24**	**-24**	--	--	**1.5**	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	6/7/2004	--	--	--	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--
	9/9/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	12/20/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	3/28/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	6/14/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	9/28/2005	--	--	--	--	--	--	--	--	--	--	**0.45**	--	--	--	--	--	--	--	--	--	--	--
	12/29/2005	--	--	--	--	--	--	--	--	--	--	**0.37**	--	--	--	--	--	--	--	--	--	--	--
	3/27/2006	--	--	--	--	--	--	--	--	--	--	**0.41**	--	--	--	--	--	--	--	--	--	--	--
	6/12/2006	--	--	--	--	--	--	--	--	--	--	**0.39**	--	--	--	--	--	--	--	--	--	--	--
	9/21/2006	--	--	--	--	--	--	--	--	--	--	**0.43**	--	--	--	--	--	--	--	--	--	--	--
	12/21/2006	--	--	--	--	--	--	--	--	--	--	**0.41**	--	--	--	--	--	--	--	--	--	--	--
	3/28/2007	--	--	--	--	--	--	--	--	--	--	**0.49**	--	--	--	--	--	--	--	--	--	--	--
	6/27/2007	--	--	--	--	--	--	--	--	--	--	**0.34**	--	--	--	--	--	--	--	--	--	--	--
	9/26/2007	--	--	--	--	--	--	--	--	--	--	**0.40**	--	--	--	--	--	--	--	--	--	--	--
	12/27/2007	--	--	--	--	--	--	--	--	--	--	**0.43**	--	--	--	--	--	--	--	--	--	--	--
	3/26/2008	--	--	--	--	--	--	--	--	--	--	**0.38**	--	--	--	--	--	--	--	--	--	--	--
	6/18/2008	--	--	--	--	--	--	--	--	--	--	**0.39**	--	--	--	--	--	--	--	--	--	--	--

TABLE 2c
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUND WATER ANALYTICAL DATA																				
		Nitrite as N (ug/L)	Nitrogen (ug/L)	Nitrogen, Ammonia (mg/L)	Nitrogen, NO2 plus NO3 (ug/L)	Nitrogen, Total Kjeldahl (mg/L)	Oxidation Reduction Potential FIELD_PostPurge (MILLIVOLTS)	Oxidation Reduction Potential FIELD_PrePurge (MILLIVOLTS)	Oxygen, Dissolved FIELD_PostPurge (mg/L)	Oxygen, Dissolved FIELD_PrePurge (mg/L)	Phosphate (mg/L)	Phosphate, Ortho (mg/L)	Selenium SW6010 D (ug/L)	Selenium SW6010 T (ug/L)	Silver SW6010 D (ug/L)	Silver SW6010 T (ug/L)	Sulfate (ug/L)	Thallium SW6010 D (ug/L)	Thallium SW6010 T (ug/L)	Vanadium SW6010 D (ug/L)	Vanadium SW6010 T (ug/L)	Zinc SW6010 D (ug/L)	Zinc SW6010 T (ug/L)
U-4	9/24/2008	--	--	--	--	--	--	--	--	--	--	**0.34**	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2008	--	--	--	--	--	--	--	--	--	--	**0.39**	--	--	--	--	--	--	--	--	--	--	--	--
	3/26/2009	--	--	--	--	--	--	--	--	--	--	**0.37**	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	<10.0	<1000	--	**4,880**	--	--	--	--	--	--	--	--	<10.0	--	<10.0	**82,700**	--	<20.0	--	<50.0	--	<40.0	
	12/20/2010	<10.0	<1000	--	**4,100**	--	--	--	--	--	--	--	<10.0	--	<10.0	--	**77,400**	<20.0	--	<50.0	--	<40.0	--	
	6/3/2011	<10	--	<0.05	**4,280**	<0.15	--	--	--	--	--	--	<10.0	--	<10.0	--	**79,300**	<20.0	--	<50.0	--	<40.0	--	
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-5	6/30/1997	--	--	--	--	--	**160**	**160**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/1997	--	--	--	--	--	**63**	**63**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/1997	--	--	--	--	--	**400**	**400**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/3/1998	--	--	--	--	--	**345**	**345**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/1998	--	--	--	--	--	**333**	**333**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/30/1998	--	--	--	--	--	**318**	**318**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1998	--	--	--	--	--	**305**	**305**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/1999	--	--	--	--	--	**340**	**340**	--	--	**2.4**	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1999	--	--	--	--	--	**320**	**320**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/8/1999	--	--	--	--	--	**335**	**335**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/1999	--	--	--	--	--	**408**	**408**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/2000	--	--	--	--	--	**264**	**264**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2000	--	--	--	--	--	**159**	**159**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2000	--	--	--	--	--	**136**	**136**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/2000	--	--	--	--	--	**122**	**122**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/2001	--	--	--	--	--	**141**	**141**	--	--	**4.00**	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2001	--	--	--	--	--	**112**	**112**	--	--	**1.2**	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2001	--	--	--	--	--	**146**	**146**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	**96**	**96**	--	--	**2.6**	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	**108**	**108**	--	--	**0.52**	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/4/2002	--	--	--	--	--	**118**	**118**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2002	--	--	--	--	--	**87**	**87**	--	--	<0.10	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2002	--	--	--	--	--	**104**	**104**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/2003	--	--	--	--	--	**-166**	**-166**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2003	--	--	--	--	--	**-10**	**-10**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2003	--	--	--	--	--	**-28**	**-28**	--	--	**1.8**	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	6/7/2004	--	--	--	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	3/28/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	6/14/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	9/28/2005	--	--	--	--	--	--	--	--	--	--	**0.10**	--	--	--	--	--	--	--	--	--	--	--	--
	12/29/2005	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	3/27/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	6/12/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	9/21/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	12/21/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	3/28/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	9/26/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	12/27/2007	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	3/26/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	12/22/2008	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	3/26/2009	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**39.9**	--	--	**91.5**	--	--	--	--	--	--	--	--	--	--	--	**5,560**	--	--	--	--	--	--	
	12/20/2010	**34.3**	--	--	<50.0	--	--	--	--	--	--	--	--	--	--	--	<5000	--	--	--	--	--	--	
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2c
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION NO. 5325
3200 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUND WATER ANALYTICAL DATA																					
		Nitrite as N (ug/L)	Nitrogen (ug/L)	Nitrogen, Ammonia (mg/L)	Nitrogen, NO2 plus NO3 (ug/L)	Nitrogen, Total Kjeldahl (mg/L)	Oxidation Reduction Potential FIELD_PostPurge (MILLIVOLTS)	Oxidation Reduction Potential FIELD_PrePurge (MILLIVOLTS)	Oxygen, Dissolved FIELD_PostPurge (mg/L)	Oxygen, Dissolved FIELD_PrePurge (mg/L)	Phosphate (mg/L)	Phosphate, Ortho (mg/L)	Selenium SW6010 D (ug/L)	Selenium SW6010 T (ug/L)	Silver SW6010 D (ug/L)	Silver SW6010 T (ug/L)	Sulfate (ug/L)	Thallium SW6010 D (ug/L)	Thallium SW6010 T (ug/L)	Vanadium SW6010 D (ug/L)	Vanadium SW6010 T (ug/L)	Zinc SW6010 D (ug/L)	Zinc SW6010 T (ug/L)
U-5	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/1997	--	--	--	--	--	**190**	**190**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/1997	--	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/1997	--	--	--	--	--	**380**	**380**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/3/1998	--	--	--	--	--	**327**	**327**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/15/1998	--	--	--	--	--	**315**	**315**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/30/1998	--	--	--	--	--	**345**	**345**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/28/1998	--	--	--	--	--	**297**	**297**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/22/1999	--	--	--	--	--	**330**	**330**	--	--	**0.98**	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1999	--	--	--	--	--	**320**	**320**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/8/1999	--	--	--	--	--	**305**	**305**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/1999	--	--	--	--	--	**443**	**443**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/13/2000	--	--	--	--	--	**222**	**222**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	6/21/2000	--	--	--	--	--	**159**	**159**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2000	--	--	--	--	--	**170**	**170**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/2000	--	--	--	--	--	**128**	**128**	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
	3/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2001	--	--	--	--	--	**97**	**97**	--	--	**0.70**	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2001	--	--	--	--	--	**123**	**123**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	**112**	**112**	--	--	**2.0**	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	**128**	**128**	--	--	**0.089**	--	--	--	--	--	--	--	--	--	--	--	--
	6/4/2002	--	--	--	--	--	**97**	**97**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2002	--	--	--	--	--	**110**	**110**	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2002	--	--	--	--	--	**95**	**95**	--	--	**2.6**	--	--	--	--	--	--	--	--	--	--	--	--
	3/4/2003	--	--	--	--	--	**-112**	**-112**	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--
	6/18/2003	--	--	--	--	--	**-15**	**-15**	--	--	**2.0**	--	--	--	--	--	--	--	--	--	--	--	--
	9/24/2003	--	--	--	--	--	**-12**	**-12**	--	--	**4.6**	--	--	--	--	--	--	--	--	--	--	--	--
	12/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
U-6	6/7/2004	--	--	--	--	--	--	--	--	--	--	<0.20	--	--	--	--	--	--	--	--	--	--	--
	9/9/2004	--	--	--	--	--	--	--	--	--	--	**3.8**	--	--	--	--	--	--	--	--	--	--	--
	12/20/2004	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	3/28/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	6/14/2005	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	9/28/2005	--	--	--	--	--	--	--	--	--	--	**3.4**	--	--	--	--	--	--	--	--	--	--	--
	12/29/2005	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	3/27/2006	--	--	--	--	--	--	--	--	--	--	**0.19**	--	--	--	--	--	--	--	--	--	--	--
	6/12/2006	--	--	--	--	--	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--
	9/21/2006	--	--	--	--	--	--	--	--	--	--	**0.31**	--	--	--	--	--	--	--	--	--	--	--
	12/21/2006	--	--	--	--	--	--	--	--	--	--	**0.41**	--	--	--	--	--	--	--	--	--	--	--
	3/28/2007	--	--	--	--	--	--	--	--	--	--	**0.31**	--	--	--	--	--	--	--	--	--	--	--
	6/27/2007	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI
	9/26/2007	--	--	--	--	--	--	--	--	--	--	**0.34**	--	--	--	--	--	--	--	--	--	--	--
	12/27/2007	--	--	--	--	--	--	--	--	--	--	**1.0**	--	--	--	--	--	--	--	--	--	--	--
	3/26/2008	--	--	--	--	--	--	--	--	--	--	**1.2**	--	--	--	--	--	--	--	--	--	--	--
	6/18/2008	--	--	--	--	--	--	--	--	--	--	**0.076**	--	--	--	--	--	--	--	--	--	--	--
	9/24/2008	--	--	--	--	--	--	--	--	--	--	**0.28**	--	--	--	--	--	--	--	--	--	--	--
	12/22/2008	--	--	--	--	--	--	--	--	--	--	**0.39**	--	--	--	--	--	--	--	--	--	--	--
	3/26/2009	--	--	--	--	--	--	--	--	--	--	**0.28**	--	--	--	--	--	--	--	--	--	--	--
	6/23/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**44.3**	--	--	**308**	--	--	--	--	--	--	--	--	--	--	--	**10,100**	--	--	--	--	--	--
	12/20/2010	**33.4**	--	--	**520**	--	--	--	--	--	--	--	--	--	--	--	**12,400**	--	--	--	--	--	--
	6/3/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/5/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analytical Notes:
< - Below Laboratory's indicated reporting limit
DRY - Well was Dry; sample could not be taken
LPH - Liquid Phase Hydrocarbons
mg/L - milligrams per liter
MILLIVOLTS - millivolts
ND - Not detected, and detection limit is not known
ug/L - micrograms/liter
WI - Well Inaccessable
Bold - Above the laboratory's indicated reporting limit

TABLE 3
Historical Groundwater Gradient and Flow Directions
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

Site	Monitoring Date	Groundwater Gradient (feet per foot)	Groundwater Flow Direction															
			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
5325	10/1/1990	0.0200	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	2/1/1991	0.0100	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	5/1/1991	0.0200	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	8/1/1991	0.0100	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0
	11/1/1991	0.0100	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	5/1/1992	0.0100	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	7/1/1992	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	10/1/1992	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	12/1/1992	0.0150	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	4/1/1993	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	10/1/1993	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	11/16/1993	0.0100	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	2/16/1994	0.0100	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0
	6/22/1994	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/22/1994	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/24/1994	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/25/1995	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/21/1995	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/19/1995	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/19/1995	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/18/1996	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/27/1996	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/26/1996	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/9/1996	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/14/1997	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/30/1997	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/19/1997	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/3/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/15/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5325	9/30/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/28/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/22/1999	0.0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	6/9/1999	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/8/1999	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/7/1999	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/13/2000	0.0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	6/21/2000	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/27/2000	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/12/2000	0.0200	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/7/2001	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	6/6/2001	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/24/2001	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/10/2001	0.0450	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/11/2002	0.0450	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/4/2002	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/3/2002	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/3/2002	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/4/2003	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/18/2003	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0
	9/24/2003	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/2/2003	0.0250	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/30/2004	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0
	6/7/2004	0.0447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	9/9/2004	0.0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/20/2004	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/28/2005	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/14/2005	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/28/2005	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0

TABLE 3
Historical Groundwater Gradient and Flow Directions
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

Site	Monitoring Date	Groundwater Gradient (feet per foot)	Groundwater Flow Direction															
			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
5325	12/29/2005	0.0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/27/2006	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/12/2006	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/21/2006	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/21/2006	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/28/2007	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0
	6/27/2007	0.0300	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	9/26/2007	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/27/2007	0.0200	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	3/6/2008	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/18/2008	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/24/2008	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/22/2008	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/26/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/23/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/3/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/28/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/28/2010	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/20/2010	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/3/2011	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/5/2012	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/6/2012	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.024 Average	**3**	**1**	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**5**	**3**	**1**	**2**	**1**	**26**	**4**

Explanation
NA = Not available
Number of Events = 80

Attachment A

Summary of Previous Environmental Investigations

SUMMARY OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS

May 1990 Three exploratory soil borings were advanced adjacent to the UST complex to depths ranging from 10 to 12.5 feet below ground surface (bgs). Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). The samples contained TPH-G concentrations ranging from 2 to 7,500 parts per million (ppm) and benzene concentrations ranging from 0.14 to 13 ppm.

June 1990 Two 10,000-gallon gasoline USTs, one 550-gallon waste oil UST, and related product dispensers were replaced. Soil samples from the UST excavation sidewalls and bottom and product line trenches were reported to contain TPH-G and benzene at concentrations ranging from 12 to 2,800 ppm and 0.008 to 11 ppm, respectively. Approximately 250 cubic yards of soil and backfill material were aerated onsite to reduce concentrations to below 100 ppm TPH-G, then transported to an appropriate soil disposal facility. Groundwater was encountered at approximately 7.5 feet bgs.

September 1990 Monitoring wells U-1, U-2, and U-3 were installed. TPH-G was detected in soil samples collected from the capillary fringe in well borings U-1 and U-2 at levels of 110 and 480 ppm, respectively. Benzene was detected in the soil sample from well boring U-1 at a level of 4.5 ppm. Petroleum hydrocarbons were not detected in soil or groundwater samples from U-3. Groundwater samples collected from wells U-1 and U-2 were reported to contain 690 and 38 parts per billion (ppb) TPH-G and 780 and 27 ppb benzene, respectively.

June 1990 Monitoring wells U-4, U-5, and U-6 were installed. TPH-G and benzene were detected in the capillary fringe soil sample collected from boring U-5 at levels of 400 ppm and 1.9 ppm, respectively. TPH-G and benzene were not detected in soil samples collected from borings U-4 and U-6. Groundwater levels stabilized at depths between 8.8 and 9.2 feet bgs.

November 1996 One 550-gallon waste oil UST was removed and the product lines and dispensers were replaced. A soil sample collected from the sidewall of the waste oil UST excavation contained 1.5 ppm total petroleum hydrocarbons as diesel (TPH-D) and 78 ppm total oil and grease (TOG). TPH-G, benzene, methyl tertiary butyl ether (MTBE), halogenated volatile organic compounds (HVOCs), and semi-volatile organic compounds (SVOCs) were not detected. Product line trench excavation and over excavation samples were reported to contain petroleum hydrocarbon levels ranging from non-detect to 880 ppm of TPH-G, non-detect to 3.6 ppm of benzene, and non-detect to 23 ppm of MTBE. Approximately 276 tons of excavated soil was transported to an appropriate disposal facility.

June 1997 Two exploratory borings (U-D and U-E) and one UST observation well were installed. U-D was advanced offsite on Lakeshore Avenue. TPH-G, BTEX, and MTBE were detected in one or all of the soil samples collected at the capillary fringe from the soil borings. TPH-G and MTBE were detected at a maximum of 450 ppm and 1.1 ppm, respectively, in U-D.

October 2003 Site environmental consulting responsibilities were transferred to TRC.

April 2006 Three ozone sparge wells (C-1 through C-3) were installed by TRC in the vicinity of U-2 for the purpose of an ozone pilot study. Total purgeable petroleum hydrocarbons (TPPH) were detected at a maximum of 4,600 milligrams per kilograms (mg/kg) in the five feet below grade (fbg) soil sample collected from C-1.

June through August 2006 A 3-month ozone sparge event was completed on sparge points C-1 through C-3 located in the vicinity of Site well U-2 using a mobile ozone sparge treatment system.

October 2007 Site environmental consulting responsibilities were transferred to Delta Consultants.

January 2011 Delta Consultants rebranded to Antea Group.

REMEDIATION

June through August 2006 A 3-month ozone sparge event was completed on sparge points C-1 through C-3 located in the vicinity of Site well U-2 using a mobile ozone sparge treatment system.

SENSITIVE RECEPTORS SURVEY

Lake Merritt is located approximately 0.3 miles down gradient. No domestic water wells are located within a one mile distance of the site.

Current Consultant: Antea Group

Attachment B

Blaine Tech Services Groundwater Sampling Procedures

BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for DELTA comply with safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40 hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any DELTA COP/ELT site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic sounders which are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of Immiscibles or sheen and when free product is suspected, it is confirmed using an electronic interface probe (e.g. MMC). No samples are collected from a well containing free product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.
Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well. Small volumes of purgewater are often removed by hand bailing with a disposable bailer.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less

than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewaters and does not recharge.

Wells known to dewater are evacuated as early as possible during each site visit in order to allow for the greatest amount of recovering. Any well that does not recharge to 80% of its original volume will be sampled prior to the departure of our personnel from the site in order to eliminate the need of a return visit.

In jurisdictions where a certain percentage of recovery is included in the local completion standard, our personnel follow the regulatory expectation.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non hazardous purgewater is transported under standard Bill of Lading or Non-Hazardous manifest to a Blaine Tech Services, Inc. facility before being transported to an approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory which will analyze the samples. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Upon request, a Trip Blank is carried to each site and is kept inside the cooler for the duration of the sampling event. It is turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Upon request, one Duplicate sample is collected at each site. It is up to the Field Technician to choose the well at which the Duplicate is collected. Typically, a duplicate is collected from one of the most contaminated wells. The Duplicate sample is labeled DUP thus rendering the sample blind.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the analytical laboratory that will perform the intended analytical procedures. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

Each and every sample container has a label affixed to it. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time at which the sample was collected and the initials of the person collecting the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer which is then operated with high quality deionized water which is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps

and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, sounder etc.) that cannot be washed using the hot high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

EXAMPLE: The sounder is cleaned between wells using the non-phosphate soap and deionized water solution followed by deionized water rinses. The sounder is then washed with the steam cleaner between sites or as necessitated by use in a particularly contaminated well.

DISSOLVED OXYGEN READINGS

All Dissolved Oxygen readings are taken using YSI meters (e.g. YSI Model 550 meter). These meters are equipped with membrane probe that enables them to collect accurate in-situ readings.

The probe and reel is decontaminated between wells as described above. The meter is calibrated as per the instructions in the operating manual. The probe is lowered into the water column allowed to stabilize before use.

OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual. In use the probe is placed in a cup of freshly obtained monitoring well water and allowed to stabilize.

Attachment C

Blaine Tech and Antea Group's Groundwater Sampling Field Data Sheets

Antea Field Observations

anteagroup

Project: I4025532.5 Weather: CLOUDY
Address: 3220 LAKE SHORE AVE, OAKLAND
Date: S M T W TH F S 07/16/12
Recorded By: Jody Demello-Rice (916.402.3239)

Purpose: SURFACTANT TREAT U-1, U-2, BASELINE SAMPLES

Notes: 0915 ARV ONSITE, T/W PAHS @ 76 STA. AND NICK @ SMOG STA. BUSS.
THEN T/W DENNIS D. PRIOR TO START.
I PREP TRUCK AND EQUIP. FOR SAMPLING.
U-1 VEHICLES COVER FROM SMOG BUSS.
U-5 VEHICLE COVER FROM CAR DETAIL TENT.
U-6 VEHICLES COVER FROM CVS PHARMACY.
SET UP @ U-2. (2) DC PUMPS FAIL INTO THE START. (50 GAL FILLED INTO POLY TANK ON BACK OF TRUCK)
1150 SAMPLE U-2, 3" CSG, DTW = 7.11', DTB = 19.55'
THE WELL BOLTS ARE GALLED, HARD TO GET OFF.
WELL DEWATERS AFTER 8 GAL PURGE, SLOW AND SHORT RECHARGE.
1230 SAMPLE U-5, 4" CSG, DTW = 6.96', DTB = 19.80'
1305 SAMPLE U-3, 3" CSG, DTW = , DTB = .
1415 U-6 SAMPLED IN TRAFFIC, TOOK A FEW MINUTES TO WORK INTO CORRECT SPOT.
1515 SAMPLE U-1, 3" CSG, DTW = 8.57', DTB = 13.00'
1550 SAMPLE U-4, 4" CSG, DTW =
1605 SET UP TO DUMP SURFACTANT/WTR INTO U-2.
I OPENED SPARGE WELLS IN PREP TO GAUGE (C-1, 2, 3) VERY HARD GETTING BOLTS OUT - VERY GALLED. 2" SPARGE WELLS ALL HAVE SCREWED CAPS, UNABLE TO RECHARGE. T/W DENNIS D. AND ED W.
1625 DUMP 1.5 GAL SURFACTANT INTO U-2.
THEN START TO DUMP 50 GAL WATER. THE 3" CSG ONLY TAKES 10 GAL THEN BACKS UP TO SURF.
I TRY TO USE 2" SURGE BLOCK TO HELP.

Antea Field Observations

anteagroup

Project: 14025325 Weather: CLOUDY
Address: 3220 HARRISON ST, OAKLAND
Date: S M T W TH F S 07/16/12
Recorded By: JDR

Purpose: (CONTINUED)

Notes: U-2 IS VERY SLOW TO TAKE FLUID. OVER THE NEXT 15 MINUTES IT ONLY TAKES 2 MORE GAL. OF WATER FROM POLY TANK. I MOVE TO U-1 THEN TAKE TPW GAUGES @ TW-1 AND TW-2: TW-1 @ 8.28' DTW, 11.77' DTB
TW-2 @ 6.90' DTW, 15.60 DTB.
1700 POUR 1.5 GAL. SURFACTANT INTO U-1 3" CSG. THEN I START TO POUR POLY TANK WATER INTO U-1 @ 1708.
1715 U-1 HAS TAKEN 15 GAL WATER AND IS TOPPED OFF TO SURFACE, TRY TO OVERCOME SURGE BLOCK.
1717 TW-1 @ 8.20' DTW
TW-2 @ 6.90' DTW.
1720 U-1 HAS TAKEN ANOTHER 2 GAL OF WATER, TOPPED OFF TO SURFACE.
TW-1 @ 7.80' DTW, TW-2 NO CHNG.
1730 U-1 HAS STOPPED TOPPED OFF TAKING ANOTHER 5 GAL OF WATER.
TW-1 @ 7.20' DTW, TW-2 NO CHNG.
1745 U-1 HAS STOPPED TOPPED OFF TAKING ANOTHER 10 GAL OF WATER VERY SLOW.
TW-1 @ 7.28' DTW, TW-2 NO CHNG.
I ALSO HAVE BEEN TOPPING OFF U-2 WITH ANOTHER 2 GAL OVER THE LAST 30 MIN.
1755 U-1 TOOK ANOTHER 6 GAL. OF WATER.
TOTALS: U-1 TOOK 38 GAL WATER POST 1.5 SURFACTANT.
U-2 TOOK 14 GAL WATER POST 1.5 GAL. SURF.
1815 U-1 AND U-2 CLOSED. TW-1 @ 8.18', TW-2 NO CHANGE. I SECURE ALL WELLS AND XFER DRUMS.
(2) GROUND WATER DRUMS LEFT TO THE EAST OF U-1 AGAINST THE WALL. 1835 DPT SITE.

KIFF Analytical LLC

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

SRG # / Lab No. _____ Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): **Dennis Dettloff**	California EDF Report? ☑ Yes ☐ No
Company / Address: **Antea Group USA Inc.** **11050 White Rock Rd. #110, Rancho Cordova, CA**	Sampling Company Log Code:
Phone #: **916-503-1261** Fax #: **916-638-8385**	Global ID: **T0600101463**
Project #: **255325** P.O. #: **140255325**	EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com
Project Name: **ELT 140255325**	Sampler Signature:
Project Address: **3220 Lakeshore Ave. Oakland, CA. 94**	

Sample Designation/ID	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: ZnAc2-NaOH	Preservative: None	Preservative: Na2S2O3	Matrix: Water	Matrix: Soil	Matrix:	Matrix:	Analysis Request: TPHg by 8260B	Analysis Request: BTEX & MTBE by 8260B							TAT: 1 wk	For Lab Use Only
U-1_20120716	U-1	07/16/12	1515	3						3					3				X	X								01
U-2_20120716	U-2		1150	3						3					3				X	X								02
U-3_20120716	U-3		1305	3						3					3				X	X								03
U-4_20120716	U-4		1550	3						3					3				X	X								04
U-5_20120716	U-5		1230	3						3					3				X	X								05
U-6_20120716	U-6		1415	3						3					3				X	X								06

Relinquished by:	Date: 07/18/12	Time: 1410	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 071712	Time: 1446	Received by Laboratory: Cal/A Analytical

Please also cc ed.weyrens@anteagroup.com
Send Equis EDD to: copeltdata@intelligentehs.com with approval from Dennis Dettloff***

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

Well-Head Inspection & Well Gauging Form

Station No: ELT 5725

Location: 3220 LAKESHORE AVE, OAKLAND, CA

Project No: J40255325

Field Technician: JDR

Date: 07612

Sample Order	Well ID	Surficial Seal	Concrete Seal	Lid Secure	Gasket	Lock	Expanding Cap	Water in Well Box	Time	Well Casing Dia.	Depth to Water (Feet)	Depth to Bottom (Feet)	Depth to Floating Product (Feet)	Floating Product Thickness (Feet)	Comments
	V-1	G	G	G	N	G	G	N	1450	3	8.57	13.00	NA	—	GASKET FOR LID GONE
	V-2	G	G*	G	G	G	G	N	1110	3	7.11	19.55	CSG SWELLS LIKE SEWER!		*BOLTS GALLED - HARD TO TURN
	V-3	G	G	G	G	G	G	N	1243	3	10.60	19.15	NA	—	
	V-4	G	G	G	G	G	G	N	1525	4	9.05	19.30	NA	—	
	V-5	G	G	G	G	G	G	N	1200	4	6.96	19.80	NA	—	
	V-6	G	G	G	G	N	G	N	1350	2	7.11	23.44	NA	—	LOCK @ CAP IS STUCK OPEN
	TW-1	G	G*	G	G	G	G	Y	1640	4	8.28	11.77	NA	—	*SMALL CRACK @ APRON
	TW-2	G	G	G	G	G	G	N	1642	4	6.90	15.60	NA	—	

Notes: C-1,2,3 OZONE SPARGE WELL. HARD BOLTS - GALLED. THESE WELLS ALSO HAVE 2" PVC CASING CAPS THAT ARE THREADED AND NO ABLE TO GET OPEN DUE TO LACK OF GRIP AND CLEARANCE.

Note: Use G=good and P=poor for well condition

Groundwater Sampling Form

Site Address:	**3220 Lakeshore Ave. Oakland, CA**		
Project No:	**I40255325**	Field Technician:	Jody Demello-Rice
Field Point:	**U-** 1	Date:	16-Jul-12
Depth to Water (DTW) (ft bgs):	8.57	Well Diameter (in):	2 (3) 4 6 8 ___
Depth to LNAPL (ft bgs):	NA	Thickness of LNAPL (ft):	NA
Total Depth of Well (ft bgs):	13.00	Water Column Height (ft):	4.43

Purging Info and Calculations:

Purge Method:	Purge Equipment:	Sample Collection Method:
Low-Flow (3 casing volumes) Other:_____	Disposable Bailer (Electric Submersible) Peristaltic Pump Bladder Pump Other:_____	(Disposable Bailer) Extraction Port Dedicated Tubing Disposable Tubing Other:_____

Water Column Height (ft): 4.43 X Conversion Factor (gal/ft): 0.78 = Casing Volume (gal): 1.6

Casing Volume (gal): 1.6 X Specified Volumes: 3 = Calculated Purge (gal): 5.0

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:**_____ **Stop Time:**_____

Time	Temp (°C)	Conductivity (µS/cm)	D.O. (mg/L)	ORP (mV)	PH	Turbidity (NTU)	Volume Purged (gal)
1455	20.79	1045	4.87	-96.5	8.03	5.55	0.5
1458	20.32	1032	1.27	-135.5	8.02	4.82	2.0
1501	19.55	1110	1.02	-151.0	8.11	21.14	3.6
1510	19.41	1201	0.91	-140.6	7.90	1.08	5.0
Post-Purge							

Did Well dewater? (Yes) No Total Purge volume (gal): 5.5

Other Comments: DEWATERS AFTER 4 GAL, MODERATE RECHARGE.

Sample Info:

Sample ID:	U-1	Sample Date and Time:	071612/1515
Selected Analysis:	COC		

Signature: _____ Date: 071612

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

anteagroup

Groundwater Sampling Form

Site Address:	**3220 Lakeshore Ave. Oakland, CA**		
Project No:	**I40255325**	Field Technician:	Jody Demello-Rice
Field Point:	**U-2**	Date:	16-Jul-12
Depth to Water (DTW) (ft bgs):	7.14	Well Diameter (in):	2 (3) 4 6 8 ___
Depth to LNAPL (ft bgs):	NA	Thickness of LNAPL (ft):	NA
Total Depth of Well (ft bgs):	19.55	Water Column Height (ft):	12.44

Purging Info and Calculations:

Purge Method:
(Low-Flow)
3 casing volumes
Other:

Purge Equipment:
Disposable Bailer
~~Electric Submersible~~
~~Peristaltic Pump~~
Bladder Pump
Other:

Sample Collection Method:
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:

Water Column Height (ft): 12.44 X Conversion Factor (gal/ft): 0.370 = Casing Volume (gal): 4.7

Casing Volume (gal): 4.7 X Specified Volumes: 3 = Calculated Purge (gal): 14.2

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:** **Stop Time:**

Time	Temp (°C)	Conductivity (µS/cm)	D.O. (mg/L)	ORP (mV)	PH	Turbidity (NTU)	Volume Purged (gal)
1116	19.65	2524	5.80	-94.1	8.20	92	0.5
1120	21.20	2174	1.21	-126.2	8.11	51	5
1132	20.29	2449	2.09	-101.1	8.02	388	10
1145	20.07	2472	1.93	-109.7	7.97	281	15
Post-Purge							

Did Well dewater? (Yes) No Total Purge volume (gal): 15

Other Comments: DEWATERED AFTER 8 GAL, SLOW SHORT RECHARGE.

Sample Info:

Sample ID:	U-2	Sample Date and Time:	071612/1150
Selected Analysis:	COC		

Signature: Date: 07/16/12

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

anteagroup

Groundwater Sampling Form

Site Address:	**3220 Lakeshore Ave. Oakland, CA**		
Project No:	**I40255325**	Field Technician:	Jody Demello-Rice
Field Point:	U- 3	Date:	16-Jul-12
Depth to Water (DTW) (ft bgs):	10.60	Well Diameter (in):	2 (3) 4 6 8 ___
Depth to LNAPL (ft bgs):	NA	Thickness of LNAPL (ft):	NA
Total Depth of Well (ft bgs):	19.15	Water Column Height (ft):	8.55

Purging Info and Calculations:

Purge Method:
(Low-Flow) / 3 casing volumes / Other:

Purge Equipment:
Disposable Bailer / (Electric Submersible) / ~~Peristaltic Pump~~ / Bladder Pump / Other:

Sample Collection Method:
~~Disposable Bailer~~ / (Extraction Port) / Dedicated Tubing / Disposable Tubing / Other:

Water Column Height (ft): 8.55 X Conversion Factor (gal/ft): 0.38 = Casing Volume (gal): 3.3

Casing Volume (gal): 3.3 X Specified Volumes: 3 = Calculated Purge (gal): 9.7

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:** _____ **Stop Time:** _____

Time	Temp (°C)	Conductivity (µS/cm)	D.O. (mg/L)	ORP (mV)	PH	Turbidity (NTU)	Volume Purged (gal)
1248	20.51	1060	1.63	-131.4	8.13	785	0.5
1252	19.06	848	0.24	-119.9	8.07	415	3.5
1256	19.27	862	0.12	-95.5	7.95	859	7.0
1300	19.98	880	0.10	-92.1	7.89	65.80	10.0
Post-Purge							

Did Well dewater? Yes (No) Total Purge volume (gal): 10.5

Other Comments:

Sample Info:

Sample ID:	U-3	Sample Date and Time:	07/16/12/1305
Selected Analysis:	COC		

Signature: _____ Date: 07/16/12

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

anteagroup

Groundwater Sampling Form

Site Address:	**3220 Lakeshore Ave. Oakland, CA**		
Project No:	**I40255325**	Field Technician:	Jody Demello-Rice
Field Point:	**U- 4**	Date:	16-Jul-12
Depth to Water (DTW) (ft bgs):	9.05	Well Diameter (in):	2 3 (4) 6 8 ___
Depth to LNAPL (ft bgs):	NA	Thickness of LNAPL (ft):	NA
Total Depth of Well (ft bgs):	19.30	Water Column Height (ft):	10.25

Purging Info and Calculations:

Purge Method:
(Low-Flow)
(3 casing volumes)
Other:_____

Purge Equipment:
(Disposable Bailer)
(Electric Submersible)
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 10.25 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 6.8

Casing Volume (gal): 6.80 X Specified Volumes: 3 = Calculated Purge (gal): 18.24

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:**_____ **Stop Time:**_____

Time	Temp (°C)	Conductivity (µS/cm)	D.O. (mg/L)	ORP (mV)	PH	Turbidity (NTU)	Volume Purged (gal)
1530	19.39	968	1.12	11.1	7.27	2.00	0.5
1535	21.04	953	0.82	1.4	7.47	0	7
1540	20.96	972	0.82	2.7	7.48	0	13
1545	20.49	963	0.81	3.5	7.49	0	19
Post-Purge							

Did Well dewater? Yes (No) Total Purge volume (gal): 20

Other Comments:

Sample Info:

Sample ID:	U-4	Sample Date and Time:	071612/1550
Selected Analysis:	COC		

Signature: _____ Date: 071612

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

anteagroup

Groundwater Sampling Form

Site Address:	**3220 Lakeshore Ave. Oakland, CA**		
Project No:	**I40255325**	Field Technician:	Jody Demello-Rice
Field Point:	**U-** 5	Date:	16-Jul-12
Depth to Water (DTW) (ft bgs):	6.96	Well Diameter (in):	2 3 (4) 6 8 ___
Depth to LNAPL (ft bgs):	NA	Thickness of LNAPL (ft):	NA
Total Depth of Well (ft bgs):	19.80	Water Column Height (ft):	12.84

Purging Info and Calculations:

Purge Method:

(Low-Flow)
(3 casing volumes)
Other:_____

Purge Equipment:

Disposable Bailer
(Electric Submersible)
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:

(Disposable Bailer)
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 12.84 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 8.47

Casing Volume (gal): 8.47 X Specified Volumes: 3 = Calculated Purge (gal): 25.4

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:**_____ **Stop Time:**_____

Time	Temp (°C)	Conductivity (µS/cm)	D.O. (mg/L)	ORP (mV)	PH	Turbidity (NTU)	Volume Purged (gal)
1205	20.02	2197	8.03	-104.6	8.51	50	0.5
1212	18.83	2239	2.60	-120.1	8.40	20.82	8.5
1218	19.25	1811	0.68	-127.8	8.32	8	17.0
1225	20.77	1926	0.40	-138.3	8.27	6.82	25.5
Post-Purge							

Did Well dewater? Yes (No) Total Purge volume (gal): 26

Other Comments:

Sample Info:

Sample ID:	U-5	Sample Date and Time:	07/16/12/1230
Selected Analysis:	COC		

Signature: _____ Date: 07/16/12

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

anteagroup

Groundwater Sampling Form

Site Address:	**3220 Lakeshore Ave. Oakland, CA**		
Project No:	**I40255325**	Field Technician:	Jody Demello-Rice
Field Point:	**U-** 6	Date:	16-Jul-12
Depth to Water (DTW) (ft bgs):	7.11	Well Diameter (in):	(2) 3 4 6 8 ___
Depth to LNAPL (ft bgs):	NA	Thickness of LNAPL (ft):	NA
Total Depth of Well (ft bgs):	23.44	Water Column Height (ft):	16.33

Purging Info and Calculations:

Purge Method:
Low-Flow
(3 casing volumes)
Other:_____

Purge Equipment:
Disposable Bailer
(Electric Submersible)
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 16.33 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 2.8

Casing Volume (gal): 2.8 X Specified Volumes: 3 = Calculated Purge (gal): 8.3

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:**_____ **Stop Time:**_____

Time	Temp (°C)	Conductivity (µS/cm)	D.O. (mg/L)	ORP (mV)	PH	Turbidity (NTU)	Volume Purged (gal)
1400	18.20	490	1.98	-106.2	8.14	285	0.5
1404	17.46	494	1.36	-104.2	8.00	179	3
1407	17.83	704	0.80	-138.1	8.02	31.06	6
1410	17.43	669	0.64	-146.0	8.02	23.77	9
Post-Purge							

Did Well dewater? Yes (No) Total Purge volume (gal): 10

Other Comments: TOUGH WAITING FOR WELL TO CLEAR OF VEHICLES.

Sample Info:

Sample ID:	U-6	Sample Date and Time:	07/16/12 / 1415
Selected Analysis:	COC		

Signature: _____ Date: 07/16/12

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

anteagroup

Well-Head Inspection & Well Gauging Form

Antea Group Project No: 255325 **Site Address:** 3200 Lakeshore Ave Oakland CA

Field Technician: Ken Sim BTS **Date:** 12-19-12 **Weather:** Clear

(Print Full Name & Company)*

Sample Order	Field Point	Well Condition: Bolts	Seal	Lid Secure	Lock	Expanding Cap	Water in Well Box	Well Casing Dia.	Time Gauged	Depth to Water (Feet)	Depth to Bottom (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Comments
6	U-1	G	G	G	G	G	N	3	0815	8.85	13.19			
5	U-2	G	G	G	G	G	N	3	0806	6.65	19.70			
2	U-3	G	G	G	G	G	N	3	0745	10.50	19.28			
3	U-4	G	G	G	G	G	Y	4	0751	8.63	19.11			
4	U-5	G	G	G	G	G	N	4	0759	7.36	19.86			
1	U-6	G	G	G	G	G	N	2	0821	7.71	23.65			

Notes: U-6 Gauge out of order due to traffic Lane 11

** All well caps opened at least 15 minutes or longer before gauging wells:
CIRCLE ONE: YES or NO**

anteagroup

*Form provided by Antea Group

Note: Use G=good and P=poor for well condition

Groundwater Sampling For...

Site Address:	3200 Lakeshore Ave Oakland, CA		
Project No:	255325	Field Technician:	SK
Field Point:	U-1	Date:	12-19-12
Depth to Water (DTW) (ft bgs):	8.85	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	13.19	Water Column Height (ft):	4.34

Purging Info and Calculations:

Purge Method: Low-Flow; 3 casing volumes; Other:

Purge Equipment: Disposable Bailer; Electric Submersible; Peristaltic Pump; Bladder Pump; Other:

Sample Collection Method: Disposable Bailer; Extraction Port; Dedicated Tubing; Disposable Tubing; Other:

Water Column Height (ft): 4.34 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 1.6

Casing Volume (gal): 1.6 X Specified Volumes: 3 = Calculated Purge (gal): 4.8

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: Start Time: 1005 **Stop Time:**

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				—		—		
1010	18.2	6.52	1191	-81	50	0.51	0.8	
1011	19.2	6.37	1135	-100	35	0.45	1.6	
1012	19.4	6.39	1156	-116	46	0.42	2.4	
1013	19.5	6.40	1186	-121	39	0.34	3.2	
	Well dewatered @ 3.5 gal							
1115	17.6	6.60	1241	-104	55	2.10	Grab	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 3.5

Other Comments: 80%: 9.72 DTW: 8.99 * Purge through Flow Cell

Sample Info:

Sample ID: U-1-20121231 Sample Date and Time: 12/19/12 1115

Selected Analysis: SEE COC

This form was provided by Antea Group and completed by: (Print Full Name) Ken Sim, an employee of Blaine Tech Services, Inc.

Signature: Date: 12/19/12

anteagroup

Antea™Group, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

Groundwater Sampling For...

Site Address:	3200 Lakeshore Ave Oakland CA		
Project No:	255325	Field Technician:	SK
Field Point:	U-2	Date:	12-19-12
Depth to Water (DTW) (ft bgs):	6.65	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	19.70	Water Column Height (ft):	13.05

Purging Info and Calculations:

Purge Method:
Low-Flow
(3 casing volumes)
Other:

Purge Equipment:
Disposable Bailer
(Electric Submersible)
Peristaltic Pump
Bladder Pump
Other:

Sample Collection Method:
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:

Water Column Height (ft): 1305 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 4.8

Casing Volume (gal): 4.8 X Specified Volumes: 3 = Calculated Purge (gal): 14.4

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius² * 0.163

Purge: Start Time: 0925 Stop Time: 1200

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				—		—		
0953	20.0	6.53	2702	-104	27	0.36	2.4	
0954	19.9	6.54	1473	-119	19	0.27	4.8	
0955	20.1	6.50	2014	-121	24	0.29	7.2	
—	—	well dewatered *				7.5 gal	—	
1200	19.3	6.63	1740	-81	30	1.21	Grab	
Post-Purge				—		—		

Did Well dewater? (Yes) No

Total Purge volume (gal): 7.5

Other Comments:
SWL: 9.26
DTW: 1386 (>2hrs)
* Purge through Flow Cell

Sample Info:

Sample ID: U-2_20121231

Sample Date and Time: 12/19/12 @ 1200

Selected Analysis: SEE COC

This form was provided by Antea Group and completed by: (Print Full Name) Ken Sim, an employee of Blaine Tech Services, Inc.

Signature: [signature] Date: 12/19/12

anteagroup
Antea™Group, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

Groundwater Sampling For...

Site Address:	3200 Lakeshore Ave Oakland, CA		
Project No:	255325	Field Technician:	SK
Field Point:	U-3	Date:	12-19-12
Depth to Water (DTW) (ft bgs):	10.50	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	19.28	Water Column Height (ft):	8.78

Purging Info and Calculations:

Purge Method: Low-Flow; ~~3 casing volumes~~; Other:

Purge Equipment: Disposable Bailer; Electric Submersible; Peristaltic Pump; Bladder Pump; Other:

Sample Collection Method: ~~Disposable Bailer~~; Extraction Port; Dedicated Tubing; Disposable Tubing; Other:

Water Column Height (ft): 8.78 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 3.2

Casing Volume (gal): 3.2 X Specified Volumes: 3 = Calculated Purge (gal): 9.6

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: Start Time: 0855 Stop Time: 0900

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				—		—		
0857	18.6	7.05	964	+55	119	2.74	1.6	
0858	18.6	7.14	949	-45	78	1.81	3.2	
0859	19.0	7.11	1085	-40	55	0.77	4.8	
0900	19.2	7.10	1043	-39	43	0.55	6.4	
—	Well	dewatered @		6.5	gal	—		
1030 1055	18.3	7.03	977	-39	60	1.96	Gas	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 6.5

Other Comments: 80%: 12.25 DTW: 10.55 * Purge through Flow Cell

Sample Info:

Sample ID: U-3-20121231 Sample Date and Time: 12/19/12 @ 1030

Selected Analysis: SEE COC

This form was provided by Antea Group and completed by: (Print Full Name) Ken Sim, an employee of Blaine Tech Services, Inc.

Signature: Date: 12/19/12

anteagroup

Antea™Group, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

Groundwater Sampling For...

Site Address:	3200 Lakeshore Ave Oakland, CA		
Project No:	255325	Field Technician:	SK
Field Point:	U-4	Date:	12-19-12
Depth to Water (DTW) (ft bgs):	8.63	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	19.11	Water Column Height (ft):	10.48

Purging Info and Calculations:

Purge Method:
Low-Flow
~~3 casing volumes~~
Other: _____

Purge Equipment:
Disposable Bailer
Electric Submersible
Peristaltic Pump
Bladder Pump
Other: _____

Sample Collection Method:
Disposable Bailer
Extraction Port
Dedicated Tubing
Disposable Tubing
Other: _____

Water Column Height (ft): 10.48 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 6.9

Casing Volume (gal): 6.9 X Specified Volumes: 3 = Calculated Purge (gal): 20.7

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: Start Time: 0911 Stop Time: 1132

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				—		—		
0913	20.6	7.04	991	-15	12	4.65	3.5	
0915	20.8	7.11	988	-17	9	4.50	6.9	
0917	21.1	7.08	1019	-13	10	4.73	10.5	
0919	21.2	7.09	993	-15	8	4.19	13.3	
0921	21.2	7.09	987	-13	8	4.16	17.5	
—	Well dewatered			@	17.5			
1125	19.9	7.13	1062	-20	21	5.41	Grab	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 17.5

Other Comments: Sump: 10.73 DTW: 14.66 * Purge through Flow Cell

Sample Info:

Sample ID:	U-4-20121231	Sample Date and Time:	12/19/12 @ 1125
Selected Analysis:	SEE COC		

This form was provided by Antea Group and completed by: (Print Full Name) Ken Sim, an employee of Blaine Tech Services, Inc.

Signature: _____ Date: 12/19/12

anteagroup
Antea™Group, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

Groundwater Sampling For:

Site Address:	3200 Lakeshore Ave Oakland, CA		
Project No:	255325	Field Technician:	SK
Field Point:	U-5	Date:	12-19-12
Depth to Water (DTW) (ft bgs):	7.36	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	19.86	Water Column Height (ft):	12.5

Purging Info and Calculations:

Purge Method: Low-Flow; (3 casing volumes); Other:

Purge Equipment: Disposable Bailer; (Electric Submersible); Peristaltic Pump; Bladder Pump; Other:

Sample Collection Method: (Disposable Bailer); Extraction Port; Dedicated Tubing; Disposable Tubing; Other:

Water Column Height (ft): 12.5 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 8.3

Casing Volume (gal): 8.3 X Specified Volumes: 3 = Calculated Purge (gal): 24.9

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: Start Time: 0932 Stop Time: 1142

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				—		—		
0934	19.6	6.82	3153	-99	15	2.56	4.2	
0936	19.8	6.79	2862	-112	11	1.40	8.3	
0938	19.8	6.70	2886	-120	9	0.34	12.6	
0940	20.1	6.71	3004	-124	9	0.29	16.6	
0942	20.2	6.71	3072	-130	10	0.27	21.0	
—	well dewatered @ 21.0 gal							
1145	19.0	6.57	3146	-60	12	0.88	Grab	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 21.0

Other Comments: 80% = 9.86 DTW = 9.73 * Purge through Flow Cell

Sample Info:

Sample ID:	U-5-20121231	Sample Date and Time:	12/19/12 @ 1145
Selected Analysis:	SEE COC		

This form was provided by Antea Group and completed by: (Print Full Name) Ken Sim, an employee of Blaine Tech Services, Inc.

Signature: _____ Date: 12/19/12

anteagroup

Antea™Group, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

Groundwater Sampling For:

Site Address:	3200 Lakeshore Ave Oakland, CA		
Project No:	255325	Field Technician:	SK
Field Point:	U-6	Date:	12-19-12
Depth to Water (DTW) (ft bgs):	7.71	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	23.65	Water Column Height (ft):	15.94

Purging Info and Calculations:

Purge Method:
Low-Flow
(3 casing volumes)
Other:_____

Purge Equipment:
Disposable Bailer
(Electric Submersible)
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:
(Disposable Bailer)
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 15.94 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 2.7

Casing Volume (gal): 2.7 X Specified Volumes: 3 = Calculated Purge (gal): 8.1

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: Start Time: 0823 Stop Time: _____

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				—		—		
0824	17.3	7.13	765	-93	>1000	2.82	1.4	
0825	17.0	7.13	779	-103	>1000	2.16	2.7	
0826	17.7	7.01	939	-123	>1000	1.42	4.2	
0827	18.1	6.97	906	-137	592	0.60	5.4	
0828	18.2	6.95	959	-140	381	0.60	6.0	
0829	18	6.93	876	-142	394	0.58	8.1	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 8.1

Other Comments: SOW: 10.90 DTW: 10.88 * Purge through Flow Cell

Sample Info:

Sample ID:	U-6-20121231	Sample Date and Time:	12/19/12 @ 0845
Selected Analysis:	SEE COC		

This form was provided by Antea Group and completed by: (Print Full Name) Ken Sim, an employee of Blaine Tech Services, Inc.

Signature: _____ Date: 12/19/12

anteagroup
Antea™Group, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen
gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

20121231.255325.Oakland

anteagroup

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # ____ of ____

4Q12 GW Event

Required Lab Information:

Lab Name:	Kiff Analytical
Address:	2795 Second street #300
Davis, CA 95618	
Lab PM:	Scott Forbes
Phone/Fax:	P: 530-297-4800 F: 530-297-4808
Lab PM email	SForbes@kiffanalytical.com
Applicable Lab Quote #:	

Required Project Information:

Site ID #:	255325
Task:	WG_Q_201212
AnteaGrp proj#	
Site Address	3200 LAKESHORE AVE
City	OAKLAND
State	CA 94610
AG PM Name:	Dennis Dettloff
Phone/Fax:	P: 916-503-1261 F: 408-225-8506
AG PM Email:	dennis.dettloff@anteagroup.com

Required Invoice Information:

Send Invoice to:	Sandy Hayes
Address:	11050 White Rock Road, Suite 110
City/State	Rancho Cordova CA 95670
Phone #:	916-638-2085
Reimbursement project?	
Non-reimbursement project?	Y
Send EDD to	copeltdata@intelligentehs.com
CC Hardcopy report to	
CC Hardcopy report to	

Turn around time (days)	10
QC level Required: Standard	Special — Mark one
NJ Reduced Deliverable Package?	
MA MCP Cert?	CT RCP Cert? — Mark One
Lab Project ID (lab use)	

Valid Matrix Codes: MATRIX — DRINKING WATER DW; GROUND WATER WG; WASTE WATER WW; FREE PRODUCT LF; SOIL SO; OIL OL; WIPE SW; AIR/BENT AIR AA; SVE AIR AE; SOIL GAS GS; WATER W; SURFACE WATER WS; WATER QC WQ; SLUDGE SL; RINSEATE WH; OTHER OT; ANIMAL TISSUE TA

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: 8260 GC/MS GRO	8260B/MTBE/TOXY/CA	Comments/Lab Sample I.D.
1	U-1_20121231	WG	G	12-19-12	11 15	3					X					X	X	7 Oxy's = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB, and Ethanol
2	U-2_20121231	WG			12 00	3					X					X	X	
3	U-3_20121231	WG			10 30	3					X					X	X	
4	U-4_20121231	WG			11 25	3					X					X	X	
5	U-5_20121231	WG			11 45	3					X					X	X	
6	U-6_20121231	WG			08 45	3					X					X	X	
7																		*This site has Surfactants
8																		
9																		
10																		
11																		
12																		

Additional Comments/Special Instructions:

Global ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	12-19-12	1520		12-19-12	1520

Sample Receipt Conditions

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SHIPPING METHOD: (mark as appropriate) UPS COURIER FEDEX US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ken Sims

SIGNATURE of SAMPLER

DATE Signed: 12-19-12

Time: 1520

Temp in °C | Samples on Ice? | Sample intact? | Trip Blank?

Final 11/13/06. AMTait

Inogen Environmental Alliance

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	3100 Lakeshore Ave Oakland	PROJECT NUMBER	255325

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
~~Pro~~ Pro Plus	10E10 20 53	12-19-12 0630	Cond 3900 us	3900	✓	14.7	SK
↓	↓	↓	pH 7 10 4	7.00 10.00 4.00	✓	14.5	SK
↓	↓	↓	DO 100%	100%	✓	14.5	SK
↓	↓	↓	ORP 234 mV	234	✓	14.5	SK

Attachment D

Certified Laboratory Analytical Reports and Data Validation Forms

KIFF Analytical LLC

Report Number : 81950
Date : 07/23/2012

Laboratory Results

Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Subject : 6 Water Samples
Project Name : ELT I40255325
Project Number : 255325
P.O. Number : I40255325

Dear Mr. Dettloff,

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. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

KIFF Analytical LLC

Analysis Summary

Report Number : 81950
Date : 07/23/12

Attention : Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Project Name :ELT I40255325
Project Number : 255325

			Sample Name	U-1_20120716		U-2_20120716		U-3_20120716		U-4_20120716		U-5_20120716		U-6_20120716	
			Sample Date	07/16/12		07/16/12		07/16/12		07/16/12		07/16/12		07/16/12	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L		0.50	**2.4**	0.50	**3.9**	0.50	**1.2**	0.50	ND	0.50	**7.1**	0.50	**1.1**
TPH as Gasoline	EPA 8260B	ug/L		50	**560**	50	**160**	50	ND	50	ND	50	ND	50	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%			102		101		102		102		102		99.8
Toluene - d8 (Surr)	EPA 8260B	%			105		97.6		98.2		96.8		96.3		99.5

MRL = Method Reporting Limit
ND = Not Detected

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236

KIFF Analytical LLC

Report Number : 81950
Date : 07/23/12

Project Name : **ELT I40255325**
Project Number : **255325**

Sample : **U-1_20120716** Matrix : Water Lab Number : 81950-01
Sample Date :07/16/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:31
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:31
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:31
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:31
Methyl-t-butyl ether (MTBE)	**2.4**	0.50	ug/L	EPA 8260B	07/23/12 16:31
TPH as Gasoline	**560**	50	ug/L	EPA 8260B	07/23/12 16:31
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	07/23/12 16:31
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	07/23/12 16:31

Sample : **U-2_20120716** Matrix : Water Lab Number : 81950-02
Sample Date :07/16/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 15:47
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 15:47
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 15:47
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 15:47
Methyl-t-butyl ether (MTBE)	**3.9**	0.50	ug/L	EPA 8260B	07/23/12 15:47
TPH as Gasoline	**160**	50	ug/L	EPA 8260B	07/23/12 15:47
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	07/23/12 15:47
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	07/23/12 15:47

KIFF Analytical LLC

Report Number : 81950
Date : 07/23/12

Project Name : **ELT I40255325**
Project Number : **255325**

Sample : **U-3_20120716** Matrix : Water Lab Number : 81950-03
Sample Date :07/16/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:20
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:20
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:20
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:20
Methyl-t-butyl ether (MTBE)	**1.2**	0.50	ug/L	EPA 8260B	07/23/12 16:20
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/23/12 16:20
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	07/23/12 16:20
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	07/23/12 16:20

Sample : **U-4_20120716** Matrix : Water Lab Number : 81950-04
Sample Date :07/16/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:52
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:52
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:52
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:52
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 16:52
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/23/12 16:52
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	07/23/12 16:52
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	07/23/12 16:52

KIFF Analytical LLC

Report Number : 81950
Date : 07/23/12

Project Name : **ELT I40255325**
Project Number : **255325**

Sample : **U-5_20120716** Matrix : Water Lab Number : 81950-05
Sample Date :07/16/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 17:25
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 17:25
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 17:25
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 17:25
Methyl-t-butyl ether (MTBE)	**7.1**	0.50	ug/L	EPA 8260B	07/23/12 17:25
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/23/12 17:25
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	07/23/12 17:25
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	07/23/12 17:25

Sample : **U-6_20120716** Matrix : Water Lab Number : 81950-06
Sample Date :07/16/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 13:23
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 13:23
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 13:23
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12 13:23
Methyl-t-butyl ether (MTBE)	**1.1**	0.50	ug/L	EPA 8260B	07/23/12 13:23
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/23/12 13:23
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	07/23/12 13:23
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	07/23/12 13:23

Report Number : 81950

Date : 07/23/12

QC Report : Method Blank Data

Project Name : **ELT I40255325**

Project Number : **255325**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/23/12
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	07/23/12
Toluene - d8 (Surr)	104		%	EPA 8260B	07/23/12
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/23/12
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	07/23/12
Toluene - d8 (Surr)	97.3		%	EPA 8260B	07/23/12
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	07/23/12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	07/23/12
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	07/23/12
Toluene - d8 (Surr)	99.5		%	EPA 8260B	07/23/12

KIFF ANALYTICAL, LLC

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

Report Number : 81950

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 07/23/12

Project Name : **ELT I40255325**

Project Number : **255325**

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														
	81984-02	<0.50	40.0	40.0	39.5	39.5	ug/L	EPA 8260B	7/23/12	98.8	98.8	0.0198	80-120	25
Ethylbenzene														
	81984-02	<0.50	40.0	40.0	43.5	43.0	ug/L	EPA 8260B	7/23/12	109	107	1.35	80-120	25
Methyl-t-butyl ether														
	81984-02	<0.50	40.0	40.0	40.8	38.4	ug/L	EPA 8260B	7/23/12	102	96.0	5.90	69.7-121	25
P + M Xylene														
	81984-02	<0.50	40.0	40.0	45.1	44.4	ug/L	EPA 8260B	7/23/12	113	111	1.40	76.8-120	25
Toluene														
	81984-02	<0.50	40.0	40.0	42.2	42.6	ug/L	EPA 8260B	7/23/12	105	106	1.03	80-120	25
Benzene														
	81984-03	<0.50	40.0	40.0	39.9	39.1	ug/L	EPA 8260B	7/23/12	99.7	97.8	1.91	80-120	25
Ethylbenzene														
	81984-03	<0.50	40.0	40.0	39.9	39.3	ug/L	EPA 8260B	7/23/12	99.7	98.2	1.48	80-120	25
Methyl-t-butyl ether														
	81984-03	<0.50	40.0	40.0	38.6	37.9	ug/L	EPA 8260B	7/23/12	96.5	94.8	1.83	69.7-121	25
P + M Xylene														
	81984-03	<0.50	40.0	40.0	40.0	40.0	ug/L	EPA 8260B	7/23/12	100	100	0.0536	76.8-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 81950

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 07/23/2012

Project Name : **ELT I40255325**

Project Number : **255325**

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
Toluene														
	81984-03	<0.50	40.0	40.0	39.0	38.2	ug/L	EPA 8260B	7/23/12	97.6	95.6	2.04	80-120	25
Benzene														
	81938-03	<0.50	40.0	40.0	42.5	41.3	ug/L	EPA 8260B	7/23/12	106	103	2.91	80-120	25
Ethylbenzene														
	81938-03	<0.50	40.0	40.0	41.2	40.4	ug/L	EPA 8260B	7/23/12	103	101	2.09	80-120	25
Methyl-t-butyl ether														
	81938-03	<0.50	40.0	40.0	40.8	39.8	ug/L	EPA 8260B	7/23/12	102	99.6	2.23	69.7-121	25
P + M Xylene														
	81938-03	<0.50	40.0	40.0	41.2	40.2	ug/L	EPA 8260B	7/23/12	103	101	2.22	76.8-120	25
Toluene														
	81938-03	<0.50	40.0	40.0	41.9	40.8	ug/L	EPA 8260B	7/23/12	105	102	2.58	80-120	25

KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)

Project Name : **ELT I40255325**

Project Number : **255325**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.2	ug/L	EPA 8260B	7/23/12	98.0	80-120
Ethylbenzene	40.2	ug/L	EPA 8260B	7/23/12	106	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	7/23/12	93.6	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	7/23/12	110	76.8-120
TPH as Gasoline	504	ug/L	EPA 8260B	7/23/12	99.0	70.0-130
Toluene	40.2	ug/L	EPA 8260B	7/23/12	105	80-120
Benzene	39.9	ug/L	EPA 8260B	7/23/12	100	80-120
Ethylbenzene	39.9	ug/L	EPA 8260B	7/23/12	100	80-120
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	7/23/12	101	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	7/23/12	101	76.8-120
TPH as Gasoline	502	ug/L	EPA 8260B	7/23/12	91.4	70.0-130
Toluene	39.9	ug/L	EPA 8260B	7/23/12	97.5	80-120
Benzene	40.2	ug/L	EPA 8260B	7/23/12	104	80-120
Ethylbenzene	40.2	ug/L	EPA 8260B	7/23/12	102	80-120
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	7/23/12	99.4	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	7/23/12	101	76.8-120
TPH as Gasoline	504	ug/L	EPA 8260B	7/23/12	93.6	70.0-130
Toluene	40.2	ug/L	EPA 8260B	7/23/12	103	80-120

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. 81950

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): **Dennis Dettloff**	California EDF Report? ☑ Yes ☐ No
Company / Address: **Antea Group USA Inc.** **11050 White Rock Rd. #110, Rancho Cordova, CA**	Sampling Company Log Code:
Phone #: **916-503-1261** Fax #: **916-638-8385**	Global ID: **T0600101463**
Project #: **255325** P.O. #: **I40255325**	EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com
Project Name: **ELT I40255325**	Sampler Signature:
Project Address: **3220 Lakeshore Ave. Oakland, CA. 94**	

Sample Designation/ID	Field Point Name	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: ZnAc2-NaOH	Preservative: None	Preservative: $Na_2S_2O_3$	Matrix: Water	Matrix: Soil	Matrix:	Matrix:	Analysis Request: TPHg by 8260B	Analysis Request: BTEX & MTBE by 8260B								TAT	For Lab Use Only
U-1_20120716	U-1	07/16/12	1515	3						3					3				X	X								☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☑ 1 wk	01
U-2_20120716	U-2		1150	3						3					3				X	X									02
U-3_20120716	U-3		1305	3						3					3				X	X									03
U-4_20120716	U-4		1550	3						3					3				X	X									04
U-5_20120716	U-5		1230	3						3					3				X	X									05
U-6_20120716	U-6		1415	3						3					3				X	X									06

	Date	Time	
Relinquished by:	07/16/12	1410	Received by:
Relinquished by:			Received by:
Relinquished by:	071712	1446	Received by Laboratory:

Please also cc ed.weyrens@anteagroup.com
Send Equis EDD to: copeltdata@intelligentehs.com with approval from Dennis Dettloff***

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

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER Initials: Eng

SRG#: 81950 Date: 071712

Project ID: ELT 140255325

Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipper

COC Inspection

Is COC present?	☒ Yes	☐ No	
Custody seals on shipping container?	☐ Intact	☐ Broken ☐ Not present	☒ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No Dated?	☒ Yes	☐ No	
Is sampler name legibly indicated on COC?	☐ Yes	☒ No	
Is analysis or hold requested for all samples?	☒ Yes	☐ No	
Is the turnaround time indicated on COC?	☒ Yes	☐ No	
Is COC free of whiteout and uninitialed cross-outs? (write over)	☒ Yes	☐ No, Whiteout ☐ No, Cross-outs	

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 5.2 Therm. ID# IR-3 Initial Eng Date/Time 071712 1441 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present
Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s)			☐ No, Extra sample(s) present
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No	
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No	
Are preservatives indicated? ☐ Yes, on sample containers	☒ Yes, on COC	☐ Not indicated	☐ N/A
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A
Are samples within holding time for analyses requested?	☒ Yes	☐ No	
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No	
Is there sufficient sample to perform testing?	☒ Yes	☐ No	

Does any sample contain product, have strong odor or are otherwise suspected to be hot? ☐ Yes ☒ No

Receipt Details

Matrix WA	Container type Voa	# of containers received 18
Matrix	Container type	# of containers received
Matrix	Container type	# of containers received

Date and Time Sample Put into Temp Storage Date: 071712 Time: ~~1440~~ 1441 Eng 071812

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Is the Project ID indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☒ Yes	☐ No		☐ N/A
Are the sample collection times indicated:	☒ On COC	☐ On sample container(s)	☐ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☐ Yes	☐ No		☒ N/A

COMMENTS: SR matched the relinquished time of 1440. The temperature of the samples was taken while the samples were still in the clients cooler. Eng 071712 1575

SR received the samples at 1441. The matching received time is incorrect. SR will log in the received time as 1441. Eng 071812 0950

Is the Data Set Valid? (circle)	Preservation Temperature (if Known): 5.2 °C
Yes / **No**	

Antea™ Group Laboratory Data Validation Sheet

Project/Client: 76 Service Station No. 5325 / Cop-ELT
Project #: I40255325
Date of Validation: 1-30-13 **Date of Analysis:** 7-23-12
Sample Date: 7-16-12 **Completed By:** ETW
Signature:

Circle or Highlight **Yes** / **No** (below)

Analytical Lab Used and Report # (if any): Kiff # 81950

1.	Were the analyses the ones requested?	**Yes** / **No**
2.	Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?	**Yes** / **No**
3.	Were samples prepared (extracted, filtered, etc.) within EPA holding times?	**Yes** / **No**
4.	Once prepared/extracted, were the samples analyzed within the EPA holding times?	**Yes** / **No**
5.	Were Laboratory blanks performed, if so, were they non-detect?	**Yes** / **No**
6.	Are the units correct? (i.e., soil samples in mg/kg or ug/g, water samples mg/L, ug/L, and air samples in volume mg/m^3,etc.)	**Yes** / **No**
7.	Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?	**Yes** / **No**
8.	In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples?	**Yes** / **No**
9.	Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approximately 80-120%, depending on the analyte)?	**Yes** / **No**
10.	Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)?	**Yes** / **No**
11.	Were Relative Percent Difference values within the acceptable range (i.e. ±25%)?	**Yes** / **No**

If any answer is no, explain why and what corrective action was taken (use additional sheet(s), as necessary:

No Qualifiers

KIFF Analytical LLC

Report Number : 82093
Date : 08/03/2012

Laboratory Results

Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Subject : 6 Water Samples
Project Name : ELT I40255325
Project Number : 255325
P.O. Number : I40255325

Dear Mr. Dettloff,

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. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

KIFF Analytical LLC

Report Number : 82093
Date : 08/03/2012

Subject : 6 Water Samples
Project Name : ELT I40255325
Project Number : 255325
P.O. Number : I40255325

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples U-1_20120730, U-2_20120730, U-3_20120730, U-4_20120730, U-5_20120730, and U-6_20120730 for the analyte Ethylbenzene were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Analysis Summary

Report Number : 82093
Date : 08/03/12

Attention : Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Project Name :ELT I40255325
Project Number : 255325

			Sample Name	U-1_20120730		U-2_20120730		U-3_20120730		U-4_20120730		U-5_20120730		U-6_20120730	
			Sample Date	07/30/12		07/30/12		07/30/12		07/30/12		07/30/12		07/30/12	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L		0.50	**36**	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L		0.50	**0.81**	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L		0.50	**21**	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L		0.50	**6.5**	0.50	**3.1**	0.50	**1.8**	0.50	ND	0.50	**7.8**	0.50	**1.4**
TPH as Gasoline	EPA 8260B	ug/L		50	**1100**	50	**76**	50	ND	50	ND	50	ND	50	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%			102		103		102		105		109		106
Toluene - d8 (Surr)	EPA 8260B	%			99.8		99.6		98.9		101		100		99.6

MRL = Method Reporting Limit
ND = Not Detected

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236

KIFF Analytical LLC

Report Number : 82093
Date : 08/03/12

Project Name : **ELT I40255325**
Project Number : **255325**

Sample : **U-1_20120730** Matrix : Water Lab Number : 82093-01
Sample Date :07/30/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 12:22
Toluene	**0.81**	0.50	ug/L	EPA 8260B	08/01/12 12:22
Ethylbenzene	**36**	0.50	ug/L	EPA 8260B	08/01/12 12:22
Total Xylenes	**21**	0.50	ug/L	EPA 8260B	08/01/12 12:22
Methyl-t-butyl ether (MTBE)	**6.5**	0.50	ug/L	EPA 8260B	08/01/12 12:22
TPH as Gasoline	**1100**	50	ug/L	EPA 8260B	08/01/12 12:22
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	08/01/12 12:22
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	08/01/12 12:22

Sample : **U-2_20120730** Matrix : Water Lab Number : 82093-02
Sample Date :07/30/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 14:45
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 14:45
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 14:45
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 14:45
Methyl-t-butyl ether (MTBE)	**3.1**	0.50	ug/L	EPA 8260B	08/01/12 14:45
TPH as Gasoline	**76**	50	ug/L	EPA 8260B	08/01/12 14:45
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	08/01/12 14:45
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	08/01/12 14:45

KIFF Analytical LLC

Report Number : 82093
Date : 08/03/12

Project Name : **ELT I40255325**
Project Number : **255325**

Sample : **U-3_20120730** Matrix : Water Lab Number : 82093-03
Sample Date :07/30/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/02/12 14:36
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/02/12 14:36
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/02/12 14:36
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/02/12 14:36
Methyl-t-butyl ether (MTBE)	**1.8**	0.50	ug/L	EPA 8260B	08/02/12 14:36
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/02/12 14:36
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	08/02/12 14:36
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	08/02/12 14:36

Sample : **U-4_20120730** Matrix : Water Lab Number : 82093-04
Sample Date :07/30/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:02
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/01/12 16:02
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	08/01/12 16:02
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	08/01/12 16:02

KIFF Analytical LLC

Report Number : 82093
Date : 08/03/12

Project Name : **ELT I40255325**
Project Number : **255325**

Sample : **U-5_20120730** Matrix : Water Lab Number : 82093-05
Sample Date :07/30/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:43
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:43
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:43
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 16:43
Methyl-t-butyl ether (MTBE)	**7.8**	0.50	ug/L	EPA 8260B	08/01/12 16:43
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/01/12 16:43
1,2-Dichloroethane-d4 (Surr)	109		% Recovery	EPA 8260B	08/01/12 16:43
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	08/01/12 16:43

Sample : **U-6_20120730** Matrix : Water Lab Number : 82093-06
Sample Date :07/30/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 18:05
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 18:05
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 18:05
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/01/12 18:05
Methyl-t-butyl ether (MTBE)	**1.4**	0.50	ug/L	EPA 8260B	08/01/12 18:05
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/01/12 18:05
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	08/01/12 18:05
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	08/01/12 18:05

Report Number : 82093

Date : 08/03/12

QC Report : Method Blank Data

Project Name : **ELT I40255325**

Project Number : **255325**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/01/12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/01/12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/01/12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/01/12
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	08/01/12
Toluene - d8 (Surr)	100		%	EPA 8260B	08/01/12

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

Report Number : 82093

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 08/03/12

Project Name : **ELT I40255325**

Project Number : **255325**

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														
	82093-01	<0.50	39.2	39.5	35.9	35.9	ug/L	EPA 8260B	8/1/12	91.6	90.8	0.932	80-120	25
Ethylbenzene														
	82093-01	36	39.2	39.5	68.8	67.4	ug/L	EPA 8260B	8/1/12	82.4	**78.4**	5.03	80-120	25
Methyl-t-butyl ether														
	82093-01	6.5	39.2	39.5	45.9	45.3	ug/L	EPA 8260B	8/1/12	100	98.2	2.26	69.7-121	25
P + M Xylene														
	82093-01	16	39.2	39.5	49.6	49.0	ug/L	EPA 8260B	8/1/12	85.6	83.4	2.68	76.8-120	25
Toluene														
	82093-01	0.81	39.2	39.5	36.0	35.7	ug/L	EPA 8260B	8/1/12	89.7	88.3	1.60	80-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 82093

QC Report : Laboratory Control Sample (LCS)

Date : 08/03/2012

Project Name : **ELT I40255325**

Project Number : **255325**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	8/1/12	102	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	8/1/12	105	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	8/1/12	117	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	8/1/12	99.8	76.8-120
Toluene	40.0	ug/L	EPA 8260B	8/1/12	102	80-120

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. 82093

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): **Dennis Dettloff**	California EDF Report? ☑ Yes ☐ No
Company / Address: **Antea Group USA Inc.** **11050 White Rock Rd. #110, Rancho Cordova, CA**	Sampling Company Log Code:
Phone #: **916-503-1261** Fax #: **916-638-8385**	Global ID: **T0600101463**
Project #: **255325** P.O. #: **I40255325**	EDF Deliverable To (Email Address): dennis.dettloff@anteagroup.com
Project Name: **ELT I40255325**	Sampler Signature:
Project Address: **3220 Lakeshore Ave. Oakland, CA. 94**	

Sample Designation/ID	Field Point Name	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Container:	Preservative: HCl	Preservative: HNO_3	Preservative: ZnAc2-NaOH	Preservative: None	Preservative: $Na_2S_2O_3$	Matrix: Water	Matrix: Soil	Matrix:	Matrix:	Analysis Request: TPHg by 8260B	Analysis Request: BTEX & MTBE by 8260B								TAT	For Lab Use Only
U-1_20120730	U-1	07/30/12	1535	3						3					3				X	X								☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☑ 1 wk	01
U-2_20120730	U-2		1445	3						3					3				X	X									02
U-3_20120730	U-3		1210	3						3					3				X	X									03
U-4_20120730	U-4		1130	3						3					3				X	X									04
U-5_20120730	U-5		1348	3						3					3				X	X									05
U-6_20120730	U-6		1300	3						3					3				X	X									06

Relinquished by: ANTEA	Date 073012	Time 1830	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 073012	Time 1900	Received by Laboratory: Kiff Analytical

Please also cc ed.weyrens@anteagroup.com
***Send Equis EDD to:
copeltdata@intelligentehs.com with approval from Dennis Dettloff******

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

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER LJR Initials

SRG#: 82093 Date: 073012

Project ID: ELT 140255325

Method of Receipt: ☐ Courier ☒ Over-the-counter ☐ Shipper

Shipping Only: ☐ FedEx * ☐ OnTrac * ☐ Greyhound ☐ Other *Service level if not Priority or Sunrise (M-F): _____

COC Inspection

Is COC present?	☒ Yes	☐ No		
Custody seals on shipping container?	☐ Intact	☐ Broken	☐ Not present	☒ N/A
Is COC Signed by Relinquisher? ☒ Yes ☐ No	Dated? ☒ Yes	☐ No		
Is sampler name legibly indicated on COC?	☐ Yes	☒ No		
Is analysis or hold requested for all samples?	☒ Yes	☐ No		
Is the turnaround time indicated on COC?	☒ Yes	☐ No		
Is COC free of whiteout and uninitialed cross-outs?	☒ Yes	☐ No, Whiteout	☐ No, Cross-outs	

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 6.0 Therm. ID# IR-3 Initial LJR Date/Time 073012/1857 ☐ N/A

Are there custody seals on sample containers?	☐ Intact	☐ Broken	☒ Not present	
Do containers match COC? ☒ Yes ☐ No ☐ No, COC lists absent sample(s)	☐ No, Extra sample(s) present			
Are there samples matrices other than soil, water, air or carbon?	☐ Yes	☒ No		
Are any sample containers broken, leaking or damaged?	☐ Yes	☒ No		
Are preservatives indicated? ☐ Yes, on sample containers	☒ Yes, on COC	☐ Not indicated	☐ N/A	
Are preservatives correct for analyses requested?	☒ Yes	☐ No	☐ N/A	
Are samples within holding time for analyses requested?	☒ Yes	☐ No		
Are the correct sample containers used for the analyses requested?	☒ Yes	☐ No		
Is there sufficient sample to perform testing?	☒ Yes	☐ No		
Does any sample contain product, have strong odor or are otherwise suspected to be hot?	☐ Yes	☒ No		

Receipt Details

Matrix WA	Container type VOA	# of containers received 18
Matrix _____	Container type _____	# of containers received _____
Matrix _____	Container type _____	# of containers received _____

Date and Time Sample Put into Temp Storage Date: 073012 Time: 1900

Quicklog

Are the Sample ID's indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Is the Project ID indicated:	☒ On COC	☐ On sample container(s)	☐ On Both	☐ Not indicated
If project ID is listed on both COC and containers, do they all match?	☐ Yes	☐ No	☒ N/A	
Are the sample collection dates indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection dates are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	
Are the sample collection times indicated:	☐ On COC	☐ On sample container(s)	☒ On Both	☐ Not indicated
If collection times are listed on both COC and containers, do they all match?	☒ Yes	☐ No	☐ N/A	

COMMENTS:

Is the Data Set Valid? (circle) **Yes** / **No**	**Preservation Temperature** (if Known): 6.0 °C

Antea™Group Laboratory Data Validation Sheet

Project/Client: 76 Service Station No. 5325 / COP-ELT
Project #: I40255325
Date of Validation: 1-30-13 **Date of Analysis:** 8-1-12 to 8-2-12
Sample Date: 7-30-12 **Completed By:** ETW
Signature:

Circle or Highlight **Yes** / **No** (below)

Analytical Lab Used and Report # (if any): Kiff # 82093

1. Were the analyses the ones requested?	**Yes** / **No**
2. Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?	**Yes** / **No**
3. Were samples prepared (extracted, filtered, etc.) within EPA holding times?	**Yes** / **No**
4. Once prepared/extracted, were the samples analyzed within the EPA holding times?	**Yes** / **No**
5. Were Laboratory blanks performed, if so, were they non-detect?	**Yes** / **No**
6. Are the units correct? (i.e., soil samples in mg/kg or ug/g, water samples mg/L, ug/L, and air samples in volume mg/m^3,etc.)	**Yes** / **No**
7. Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?	**Yes** / **No**
8. In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples?	**Yes** / **No**
9. Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approximately 80-120%, depending on the analyte)?	**Yes** / **No**
10. Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)?	**Yes** / **No**
11. Were Relative Percent Difference values within the acceptable range (i.e. ±25%)?	**Yes** / **No**

If any answer is no, explain why and what corrective action was taken (use additional sheet(s), as necessary:

9. MS/MSD results associated w/ samples U-1 through U-6 for the analyte Ethylbenzene were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/2012

Laboratory Results

Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Subject : 6 Water Samples
Project Name : 255325
Project Number :

Dear Mr. Dettloff,

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. Testing procedures comply with the 2003 NELAC and TNI 2009 standards. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Troy G. Turpen

Troy Turpen

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/2012

Subject : 6 Water Samples
Project Name : 255325
Project Number :

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples U-1_20121231 and U-2_20121231 for the analyte Ethanol were outside of control limits. This may indicate a bias for the sample that was spiked.

LCS results associated with samples U-1_20121231 and U-2_20121231 for the analyte Ethanol were outside of control limits, indicating a possible high bias for this analyte. Since Ethanol was not detected above the Method Reporting Limit in the associated samples, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples U-5_20121231 and U-6_20121231 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Analysis Summary

Report Number : 83613
Date : 12/28/12

Attention : Dennis Dettloff
Antea Group
11050 White Rock Rd. Suite 110
Rancho Cordova, CA 95670

Project Name :255325
Project Number :

			Sample Name	U-1_20121231		U-2_20121231		U-3_20121231		U-4_20121231		U-5_20121231		U-6_20121231	
			Sample Date	12/19/12		12/19/12		12/19/12		12/19/12		12/19/12		12/19/12	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L		0.50	**0.95**	0.50	**0.63**	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L		0.50	**53**	0.50	**7.9**	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L		0.50	**11**	0.50	**0.56**	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethanol	EPA 8260B	ug/L		5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L		0.50	ND	0.80	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L		0.50	**11**	0.50	**28**	0.50	**0.55**	0.50	ND	0.50	**5.1**	0.50	**1.5**
Tert-Butanol	EPA 8260B	ug/L		5.0	**760**	5.0	**1600**	5.0	ND	5.0	ND	5.0	**110**	5.0	**42**
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ug/L		50	**4000**	50	**770**	50	ND	50	ND	50	**88**	50	ND
1,2-Dibromoethane	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloroethane	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%			108		107		102		103		99.3		99.7
Toluene - d8 (Surr)	EPA 8260B	%			100		101		98.7		98.2		107		107

MRL = Method Reporting Limit
ND = Not Detected

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/12

Project Name : **255325**
Project Number :

Sample : **U-1_20121231** Matrix : Water Lab Number : 83613-01
Sample Date :12/19/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**0.95**	0.50	ug/L	EPA 8260B	12/28/12 03:31
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 03:31
Ethylbenzene	**53**	0.50	ug/L	EPA 8260B	12/28/12 03:31
Total Xylenes	**11**	0.50	ug/L	EPA 8260B	12/28/12 03:31
Methyl-t-butyl ether (MTBE)	**11**	0.50	ug/L	EPA 8260B	12/28/12 03:31
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 03:31
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 03:31
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 03:31
Tert-Butanol	**760**	5.0	ug/L	EPA 8260B	12/28/12 03:31
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 03:31
TPH as Gasoline	**4000**	50	ug/L	EPA 8260B	12/28/12 03:31
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 03:31
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 03:31
1,2-Dichloroethane-d4 (Surr)	108		% Recovery	EPA 8260B	12/28/12 03:31
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	12/28/12 03:31

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/12

Project Name : **255325**
Project Number :

Sample : **U-2_20121231** Matrix : Water Lab Number : 83613-02
Sample Date :12/19/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**0.63**	0.50	ug/L	EPA 8260B	12/28/12 04:05
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 04:05
Ethylbenzene	**7.9**	0.50	ug/L	EPA 8260B	12/28/12 04:05
Total Xylenes	**0.56**	0.50	ug/L	EPA 8260B	12/28/12 04:05
Methyl-t-butyl ether (MTBE)	**28**	0.50	ug/L	EPA 8260B	12/28/12 04:05
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 04:05
Ethyl-t-butyl ether (ETBE)	< 0.80	0.80	ug/L	EPA 8260B	12/28/12 04:05
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 04:05
Tert-Butanol	**1600**	5.0	ug/L	EPA 8260B	12/28/12 04:05
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 04:05
TPH as Gasoline	**770**	50	ug/L	EPA 8260B	12/28/12 04:05
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 04:05
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 04:05
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	12/28/12 04:05
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	12/28/12 04:05

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/12

Project Name : **255325**
Project Number :

Sample : **U-3_20121231** Matrix : Water Lab Number : 83613-03
Sample Date :12/19/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
Methyl-t-butyl ether (MTBE)	**0.55**	0.50	ug/L	EPA 8260B	12/28/12 12:54
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 12:54
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 12:54
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/28/12 12:54
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:54
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/28/12 12:54
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	12/28/12 12:54

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/12

Project Name : **255325**
Project Number :

Sample : **U-4_20121231** Matrix : Water Lab Number : 83613-04
Sample Date :12/19/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 13:29
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 13:29
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/28/12 13:29
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 13:29
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	12/28/12 13:29
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	12/28/12 13:29

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/12

Project Name : **255325**
Project Number :

Sample : **U-5_20121231** Matrix : Water Lab Number : 83613-05
Sample Date :12/19/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
Methyl-t-butyl ether (MTBE)	**5.1**	0.50	ug/L	EPA 8260B	12/28/12 11:34
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
Tert-Butanol	**110**	5.0	ug/L	EPA 8260B	12/28/12 11:34
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 11:34
TPH as Gasoline	**88**	50	ug/L	EPA 8260B	12/28/12 11:34
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 11:34
1,2-Dichloroethane-d4 (Surr)	99.3		% Recovery	EPA 8260B	12/28/12 11:34
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	12/28/12 11:34

KIFF Analytical LLC

Report Number : 83613
Date : 12/28/12

Project Name : **255325**
Project Number :

Sample : **U-6_20121231** Matrix : Water Lab Number : 83613-06
Sample Date :12/19/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
Methyl-t-butyl ether (MTBE)	**1.5**	0.50	ug/L	EPA 8260B	12/28/12 12:05
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
Tert-Butanol	**42**	5.0	ug/L	EPA 8260B	12/28/12 12:05
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12 12:05
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/28/12 12:05
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12 12:05
1,2-Dichloroethane-d4 (Surr)	99.7		% Recovery	EPA 8260B	12/28/12 12:05
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	12/28/12 12:05

Report Number : 83613

QC Report : Method Blank Data

Date : 12/28/12

Project Name : **255325**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/27/12
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/27/12
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/12
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/12
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	12/27/12
Toluene - d8 (Surr)	100		%	EPA 8260B	12/27/12
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/28/12
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	12/28/12
Toluene - d8 (Surr)	99.4		%	EPA 8260B	12/28/12

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/28/12
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/28/12
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/28/12
1,2-Dichloroethane-d4 (Surr)	99.3		%	EPA 8260B	12/28/12
Toluene - d8 (Surr)	107		%	EPA 8260B	12/28/12

KIFF ANALYTICAL, LLC

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

Report Number : 83613

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/28/12

Project Name : **255325**

Project Number :

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
1,2-Dibromoethane														
	83611-03	<0.50	39.1	39.9	39.1	41.7	ug/L	EPA 8260B	12/27/12	100	104	4.35	80-120	25
1,2-Dichloroethane														
	83611-03	<0.50	39.1	39.9	41.2	42.6	ug/L	EPA 8260B	12/27/12	105	107	1.16	75.7-122	25
Benzene														
	83611-03	<0.50	39.1	39.9	39.7	40.5	ug/L	EPA 8260B	12/27/12	101	101	0.0983	80-120	25
Diisopropyl ether														
	83611-03	<0.50	38.6	39.3	42.2	42.9	ug/L	EPA 8260B	12/27/12	109	109	0.184	80-120	25
Ethanol														
	83611-03	<5.0	97.5	99.4	207	232	ug/L	EPA 8260B	12/27/12	**212**	**233**	9.25	55.1-159	25
Ethyl-tert-butyl ether														
	83611-03	<0.50	39.7	40.5	42.7	41.2	ug/L	EPA 8260B	12/27/12	108	102	5.58	76.5-120	25
Ethylbenzene														
	83611-03	<0.50	39.1	39.9	42.5	42.6	ug/L	EPA 8260B	12/27/12	108	107	1.55	80-120	25
Methyl-t-butyl ether														
	83611-03	0.80	39.2	40.0	40.8	39.0	ug/L	EPA 8260B	12/27/12	102	95.7	6.53	69.7-121	25
P + M Xylene														
	83611-03	<0.50	39.1	39.9	39.9	40.0	ug/L	EPA 8260B	12/27/12	102	100	1.51	76.8-120	25
Tert-Butanol														
	83611-03	<5.0	197	201	208	208	ug/L	EPA 8260B	12/27/12	105	104	1.81	80-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 83613

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/28/2012

Project Name : **255325**

Project Number :

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
Tert-amyl-methyl ether														
	83611-03	<0.50	39.5	40.3	42.9	42.3	ug/L	EPA 8260B	12/27/12	108	105	3.38	78.9-120	25
Toluene														
	83611-03	<0.50	39.1	39.9	40.8	41.2	ug/L	EPA 8260B	12/27/12	104	103	0.792	80-120	25
1,2-Dibromoethane														
	83624-02	<0.50	40.0	40.0	39.2	39.1	ug/L	EPA 8260B	12/28/12	97.9	97.8	0.134	80-120	25
1,2-Dichloroethane														
	83624-02	47	40.0	40.0	82.7	82.4	ug/L	EPA 8260B	12/28/12	88.6	87.9	0.754	75.7-122	25
Benzene														
	83624-02	<0.50	40.0	40.0	38.7	38.1	ug/L	EPA 8260B	12/28/12	96.7	95.3	1.47	80-120	25
Diisopropyl ether														
	83624-02	1.1	39.4	39.4	39.8	39.6	ug/L	EPA 8260B	12/28/12	98.1	97.5	0.602	80-120	25
Ethanol														
	83624-02	<5.0	99.6	99.6	104	107	ug/L	EPA 8260B	12/28/12	105	108	2.94	55.1-159	25
Ethyl-tert-butyl ether														
	83624-02	<0.50	40.6	40.6	38.2	38.0	ug/L	EPA 8260B	12/28/12	94.1	93.5	0.552	76.5-120	25
Ethylbenzene														
	83624-02	<0.50	40.0	40.0	42.7	42.6	ug/L	EPA 8260B	12/28/12	107	106	0.238	80-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 83613

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/28/2012

Project Name : **255325**

Project Number :

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
Methyl-t-butyl ether														
	83624-02	41	40.1	40.1	74.1	74.2	ug/L	EPA 8260B	12/28/12	82.7	83.1	0.410	69.7-121	25
P + M Xylene														
	83624-02	<0.50	40.0	40.0	41.2	41.3	ug/L	EPA 8260B	12/28/12	103	103	0.263	76.8-120	25
Tert-Butanol														
	83624-02	<5.0	201	201	200	198	ug/L	EPA 8260B	12/28/12	99.2	98.7	0.504	80-120	25
Tert-amyl-methyl ether														
	83624-02	<0.50	40.4	40.4	37.4	37.4	ug/L	EPA 8260B	12/28/12	92.7	92.6	0.0646	78.9-120	25
Toluene														
	83624-02	<0.50	40.0	40.0	40.4	40.1	ug/L	EPA 8260B	12/28/12	101	100	0.762	80-120	25
1,2-Dibromoethane														
	83624-03	<0.50	40.0	40.0	43.3	43.9	ug/L	EPA 8260B	12/28/12	108	110	1.32	80-120	25
1,2-Dichloroethane														
	83624-03	170	40.0	40.0	213	213	ug/L	EPA 8260B	12/28/12	116	117	0.945	75.7-122	25
Benzene														
	83624-03	5.2	40.0	40.0	43.9	43.8	ug/L	EPA 8260B	12/28/12	96.7	96.5	0.139	80-120	25
Diisopropyl ether														
	83624-03	5.3	39.4	39.4	45.6	47.1	ug/L	EPA 8260B	12/28/12	102	106	3.50	80-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 83613

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 12/28/2012

Project Name : **255325**

Project Number :

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
Ethanol														
	83624-03	<5.0	99.6	99.6	100	85.2	ug/L	EPA 8260B	12/28/12	100	85.5	15.9	55.1-159	25
Ethyl-tert-butyl ether														
	83624-03	<0.50	40.6	40.6	39.3	42.3	ug/L	EPA 8260B	12/28/12	96.8	104	7.32	76.5-120	25
Ethylbenzene														
	83624-03	<0.50	40.0	40.0	41.3	41.2	ug/L	EPA 8260B	12/28/12	103	103	0.278	80-120	25
Methyl-t-butyl ether														
	83624-03	60	40.1	40.1	106	118	ug/L	EPA 8260B	12/28/12	114	**142**	22.0	69.7-121	25
P + M Xylene														
	83624-03	0.65	40.0	40.0	41.2	41.0	ug/L	EPA 8260B	12/28/12	101	101	0.465	76.8-120	25
Tert-Butanol														
	83624-03	190	201	201	398	397	ug/L	EPA 8260B	12/28/12	105	104	0.603	80-120	25
Tert-amyl-methyl ether														
	83624-03	<0.50	40.4	40.4	41.9	43.7	ug/L	EPA 8260B	12/28/12	104	108	4.24	78.9-120	25
Toluene														
	83624-03	0.68	40.0	40.0	43.2	42.9	ug/L	EPA 8260B	12/28/12	106	105	0.776	80-120	25

KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)

Project Name : **255325**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dibromoethane	40.0	ug/L	EPA 8260B	12/27/12	104	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	12/27/12	107	75.7-122
Benzene	40.0	ug/L	EPA 8260B	12/27/12	100	80-120
Diisopropyl ether	39.4	ug/L	EPA 8260B	12/27/12	109	80-120
Ethanol	99.6	ug/L	EPA 8260B	12/27/12	**232**	55.1-159
Ethyl-tert-butyl ether	40.6	ug/L	EPA 8260B	12/27/12	104	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	12/27/12	107	80-120
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	12/27/12	98.4	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	12/27/12	101	76.8-120
Tert-Butanol	201	ug/L	EPA 8260B	12/27/12	103	80-120
Tert-amyl-methyl ether	40.4	ug/L	EPA 8260B	12/27/12	107	78.9-120
Toluene	40.0	ug/L	EPA 8260B	12/27/12	103	80-120
1,2-Dibromoethane	39.7	ug/L	EPA 8260B	12/28/12	99.4	80-120
1,2-Dichloroethane	39.7	ug/L	EPA 8260B	12/28/12	91.5	75.7-122
Benzene	39.7	ug/L	EPA 8260B	12/28/12	98.4	80-120
Diisopropyl ether	39.1	ug/L	EPA 8260B	12/28/12	100	80-120
Ethanol	98.9	ug/L	EPA 8260B	12/28/12	104	55.1-159
Ethyl-tert-butyl ether	40.3	ug/L	EPA 8260B	12/28/12	94.6	76.5-120
Ethylbenzene	39.7	ug/L	EPA 8260B	12/28/12	108	80-120
Methyl-t-butyl ether	39.8	ug/L	EPA 8260B	12/28/12	92.4	69.7-121
P + M Xylene	39.7	ug/L	EPA 8260B	12/28/12	106	76.8-120
TPH as Gasoline	495	ug/L	EPA 8260B	12/28/12	98.6	70.0-130

KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)

Project Name : **255325**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Tert-Butanol	200	ug/L	EPA 8260B	12/28/12	98.4	80-120
Tert-amyl-methyl ether	40.1	ug/L	EPA 8260B	12/28/12	94.3	78.9-120
Toluene	39.7	ug/L	EPA 8260B	12/28/12	103	80-120
1,2-Dibromoethane	39.8	ug/L	EPA 8260B	12/28/12	108	80-120
1,2-Dichloroethane	39.8	ug/L	EPA 8260B	12/28/12	106	75.7-122
Benzene	39.8	ug/L	EPA 8260B	12/28/12	97.6	80-120
Diisopropyl ether	39.2	ug/L	EPA 8260B	12/28/12	100	80-120
Ethanol	99.2	ug/L	EPA 8260B	12/28/12	86.9	55.1-159
Ethyl-tert-butyl ether	40.4	ug/L	EPA 8260B	12/28/12	94.6	76.5-120
Ethylbenzene	39.8	ug/L	EPA 8260B	12/28/12	103	80-120
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	12/28/12	100	69.7-121
P + M Xylene	39.8	ug/L	EPA 8260B	12/28/12	99.7	76.8-120
TPH as Gasoline	494	ug/L	EPA 8260B	12/28/12	102	70.0-130
Tert-Butanol	200	ug/L	EPA 8260B	12/28/12	103	80-120
Tert-amyl-methyl ether	40.2	ug/L	EPA 8260B	12/28/12	101	78.9-120
Toluene	39.8	ug/L	EPA 8260B	12/28/12	108	80-120

KIFF ANALYTICAL, LLC

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

20121231.255325.Oakland

83613

anteagroup

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # ____ of ____

4Q12 GW Event

Required Lab Information:

Lab Name:	Kiff Analytical
Address:	2795 Second street #300
Davis, CA 95618	
Lab PM:	Scott Forbes
Phone/Fax:	P: 530-297-4800 F: 530-297-4808
Lab PM email	SForbes@kiffanalytical.com
Applicable Lab Quote #:	

Required Project Information:

Site ID #:	255325
Task:	WG_Q_201212
AnteaGrp proj#	
Site Address	3200 LAKESHORE AVE
City	OAKLAND
State	CA 94610
AG PM Name:	Dennis Dettloff
Phone/Fax:	P: 916-503-1261 F: 408-225-8506
AG PM Email:	dennis.dettloff@anteagroup.com

Required Invoice Information:

Send Invoice to:	Sandy Hayes
Address:	11050 White Rock Road, Suite 110
City/State	Rancho Cordova CA 95670
Phone #:	916-638-2085
Reimbursement project?	
Non-reimbursement project?	Y
Mark one	
Send EDD to	copeltdata@intelligentehs.com
CC Hardcopy report to	
CC Hardcopy report to	

Turn around time (days)	10
QC level Required: Standard	Special — Mark one
NJ Reduced Deliverable Package?	
MA MCP Cert?	CT RCP Cert? — Mark One
Lab Project ID (lab use)	

Valid Matrix Codes

MATRIX		MATRIX	
DRINKING WATER	WP	WATER	W
GROUND WATER	WG	SURFACE WATER	WS
WASTE WATER	WW	WATER QC	WQ
FREE PRODUCT	LF	SLUDGE	SL
SOIL	SO	RINSEATE	WH
OIL	OIL	OTHER	OT
WIPE	SW	ANIMAL TISSUE	TA
AMBIENT AIR	AA		
SVE AIR	AE		
SOIL GAS	GS		

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: 8260 GC/MS GRO	8260B/MTBE/Oxy/CA	Comments/Lab Sample I.D.
1	U-1_20121231	WG	G	12-19-12	11 15	3					X					X	X	7 Oxy's = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB, and Ethanol 01
2	U-2_20121231	WG			12 00	3					X					X	X	02
3	U-3_20121231	WG			10 30	3					X					X	X	03
4	U-4_20121231	WG			11 25	3					X					X	X	04
5	U-5_20121231	WG			11 45	3					X					X	X	05
6	U-6_20121231	WG			08 45	3					X					X	X	06
7																		
8																		
9																		
10																		
11																		
12																		

*This site has Surfactants

Additional Comments/Special Instructions:

Global ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	12-19-12	1520	[signature]	12-19-12	1520
[signature] IBIS	12/20/12	1140	[signature] Kiff Analytical	122012	1140

Sample Receipt Conditions

Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N

SHIPPING METHOD: UPS COURIER FEDEX US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ken Sim

SIGNATURE of SAMPLER: [signature]

DATE Signed: 12-19-12

Time: 1520

Page 17 of 18

Final 11/13/06. AMTait

Inogen Environmental Alliance

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: RLM (Initials)

SRG#: 83613 Date: 122012

Project ID: 255325

Method of Receipt: [X] Courier [ ] Over-the-counter [ ] Shipper

Shipping Only: [ ] FedEx * [ ] OnTrac * [ ] Greyhound [ ] Other *Service level if not Priority or Sunrise (M-F): _____

COC Inspection

Is COC present?	[X] Yes	[ ] No	
Custody seals on shipping container?	[ ] Intact	[ ] Broken	[ ] Not present [X] N/A
Is COC Signed by Relinquisher? [X] Yes [ ] No Dated?	[X] Yes	[ ] No	
Is sampler name legibly indicated on COC?	[X] Yes	[ ] No	
Is analysis or hold requested for all samples?	[X] Yes	[ ] No	
Is the turnaround time indicated on COC?	[X] Yes	[ ] No	
Is COC free of whiteout and uninitialed cross-outs?	[X] Yes	[ ] No, Whiteout	[ ] No, Cross-outs

Sample Inspection

Coolant Present: [X] Yes [ ] No (includes water)

Temperature °C 2.0 Therm. ID# IR-4 Initial RLM Date/Time 122012/1620 [ ] N/A

Are there custody seals on sample containers?	[ ] Intact	[ ] Broken	[X] Not present	
Do containers match COC?	[X] Yes	[ ] No	[ ] No, COC lists absent sample(s)	[ ] No, Extra sample(s) present
Are there samples matrices other than soil, water, air or carbon?	[ ] Yes	[X] No		
Are any sample containers broken, leaking or damaged?	[ ] Yes	[X] No		
Are preservatives indicated? [ ] Yes, on sample containers	[X] Yes, on COC	[ ] Not indicated	[ ] N/A	
Are preservatives correct for analyses requested?	[X] Yes	[ ] No	[ ] N/A	
Are samples within holding time for analyses requested?	[X] Yes	[ ] No		
Are the correct sample containers used for the analyses requested?	[X] Yes	[ ] No		
Is there sufficient sample to perform testing?	[X] Yes	[ ] No		
Does any sample contain product, have strong odor or are otherwise suspected to be hot?		[ ] Yes	[X] No	

Receipt Details

Matrix WA	Container type VOA	# of containers received 18
Matrix _____	Container type _____	# of containers received _____
Matrix _____	Container type _____	# of containers received _____

Date and Time Sample Put into Temp Storage Date: 122012 Time: 1624

Quicklog

Are the Sample ID's indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Is the Project ID indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If project ID is listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Are the sample collection dates indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If collection dates are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Are the sample collection times indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If collection times are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	

COMMENTS: Analysis on COC unclear - logged in per SMF's client instructions. MAS 122112 0747

Is the Data Valid? (circle) Yes / No	Preservation Temperature (if Known): 2.0 °C

Antea Group Lab Validation Sheet

Project/Client: COP/ELT
Project #: 140255325
Date of Validation: 1/22/13 **Date of Analysis:** 12/28/12 **Sample Date:** 12/19/12
Completed By: Jon F. **Signature:** Jonathan F. Williams
Analytical Lab Used and Report # (if any): Kiff Analytical 83613

	Circle or Highlight Yes/No below
1. Was the analysis the one requested?	Yes / No
2. Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?	Yes / No
3. Were samples prepared (extracted, filtered, etc.) within EPA holding times?	Yes / No
4. Once prepared/extracted, were the samples analyzed within the EPA holding times?	Yes / No
5. Were Laboratory blanks performed, if so, were they below non-detect?	Yes / No
6. Are the units correct? (i.e., soil samples in mg/kg or ug/g, water samples mg/L, ug/L, and air samples in volume mg/m^3,etc.)	Yes / No
7. Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?	Yes / No
8. In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples?	Yes / No N/a
9. Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approx 80-120% depending on analyte)?	Yes No
10. Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)?	Yes / No
11. Were Relative Percent Difference values within the acceptable range (i.e. ± 25%)?	Yes / No

If any answer is no, explain why and what corrective action was taken:

MS/MSD results associated with samples U-1_20121231 and U-2_20121231 for the analyte Ethanol were outside of control limits. This may indicate a bias for the sample that was spiked.
MS/MSD results associated with samples U-5_20121231 and U-6_20121231 for the analyte MTBE were affected by the analyte concentrations already present in the un-spiked sample.

Is the Data Valid? (circle) Yes / No	Preservation Temperature (if Known): 2.0 °C

Antea Group Lab Validation Sheet

Project/Client: COP/ELT
Project #: 140255325
Date of Validation: 1/22/13 **Date of Analysis:** 12/28/12 **Sample Date:** 12/19/12
Completed By: Jon F. **Signature:** [signature]
Analytical Lab Used and Report # (if any): Kiff Analytical 83613

	Circle or Highlight Yes/No below
1. Was the analysis the one requested?	(Yes) / No
2. Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?	(Yes) / No
3. Were samples prepared (extracted, filtered, etc.) within EPA holding times?	(Yes) / No
4. Once prepared/extracted, were the samples analyzed within the EPA holding times?	(Yes) / No
5. Were Laboratory blanks performed, if so, were they below non-detect?	(Yes) / No
6. Are the units correct? (i.e., soil samples in mg/kg or ug/g, water samples mg/L, ug/L, and air samples in volume mg/m^3,etc.)	(Yes) / No
7. Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?	(Yes) / No
8. In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples?	Yes / No (N/a)
9. Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approx 80-120% depending on analyte)?	Yes (No)
10. Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)?	(Yes) / No
11. Were Relative Percent Difference values within the acceptable range (i.e. ± 25%)?	(Yes) / No

If any answer is no, explain why and what corrective action was taken:

MS/MSD results associated with samples U-1_20121231 and U-2_20121231 for the analyte Ethanol were outside of control limits. This may indicate a bias for the sample that was spiked.
MS/MSD results associated with samples U-5_20121231 and U-6_20121231 for the analyte MTBE were affected by the analyte concentrations already present in the un-spiked sample.

Attachment E

Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: n/a

Manifest Document No.: 255325-1212

2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address: Platinum Energy c/o Shane Nolan 30343 Canwood St. # 200 Agoura Hills, CA 91301

4. Generator's Phone: (818) 200-5705

Site # 255325
3200 Lakeshore Ave
Oakland, CA 94610

5. Transporter 1 Company Name: Blaine Tech Services

6. US EPA ID Number:

A. State Transporter's ID:

B. Transporter 1 Phone: 310-885-4455

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address: Seaport Environmental 700 Seaport Blvd. Redwood City, CA 94063

10. US EPA ID Number: CAD009135572

E. State Facility's ID:

F. Facility's Phone: (650) 364-1024

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~Ground Water~~ Non hazardous waste liquid	1	TT	65	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Wear protective equipment while handling
Weights and volumes are approximate
24hr emergency phone (510) 885-4455

Approval No 500-1049
Direct bill Blaine Tech

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

(Antea Group) on behalf of Platinum Energy

Printed/Typed Name: Jerilyn Thao

Signature: Jerilyn Thao

Date: Month 10 Day 2 Year 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ken Sin

Signature:

Date: Month 12 Day 19 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:

Signature:

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Jason D. Conroe

Signature:

Date: Month 01 Day 02 Year 13