October 14, 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 – April through September 2013**

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

Dear Mr. Nowell;

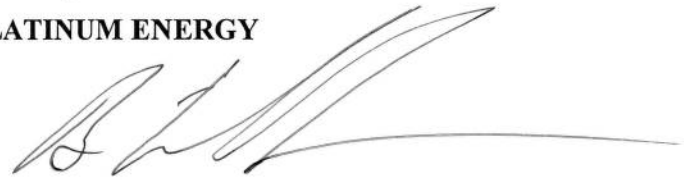
I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

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 - April through September 2013

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

October 14, 2013

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

Prepared by:
Antea™Group
11050 White Rock Road, Suite 110
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1.0 INTRODUCTION

Antea™Group is pleased to submit this *Semi-Annual Summary Report, April through September 2013* for the referenced site in Oakland, California. The site is located on the east corner of the intersection of Lakeshore Avenue and Lake Park Avenue in Oakland, CA (**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**. Antea Group's procedures for groundwater monitoring, sampling, and equipment decontamination are presented as **Attachment B**. Antea Group'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**.

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 September 13, 2013. This report has received a technical review by Mr. Dennis Dettloff, California Professional Geologist No.7480.

1.1 Work Performed: April through September 2013

1. Antea Group prepared and submitted the *Quarterly Summary Report, First Quarter 2013, dated April 29, 2013.*

2. Antea Group conducted the semi-annual groundwater sampling event on September 13, 2013.

1.2 Work Proposed: October 2013 through March 2014

1. Antea Group will prepare and submit the *Semi-Annual Summary Report – April through September 2013*, contained herein.

2. Antea Group prepared and submitted a *Site Sensitive Survey*, dated October 8, 2013.

3. Antea Group will prepare and submit a *Case Closure Request*.

4. Antea Group will conduct the semi-annual groundwater monitoring and sampling event unless case closure is granted.

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-Annual (1st and 3rd quarters): U-1 through U-6
Monitoring well sampling schedule:	Semi-Annual (1st and 3rd quarters): U-1 through U-6
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, Q1 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 June 14, 2013, the ACHCSA requested a well survey and a Sensitive Receptor Survey to aid in the evaluation of the site for Low Threat UST Case Closure.

2.2 Remediation Status

No active remediation is currently taking place at this site.

2.3 Groundwater Monitoring

Groundwater monitoring and sampling was conducted at the site on September 13, 2013 by Antea Group per our standard sampling protocol (**Attachment B**). A total of six monitoring wells were gauged and sampled. A copy of Antea Group'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:	September 13, 2013
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, and oxidation-reduction potential (ORP)
Wells with measurable LNAPL:	None
Depth to Water Range (ft BTOC):	7.16 (U-2 and U-5) to 10.47 (U-3)
Groundwater Elevation Range (ft above mean sea level):	5.21 (U-6) to 7.08 (U-4)
Change in depth to water from previous event (average change for all gauged wells):	0.04 decrease
Groundwater Flow Direction and Gradient in foot per foot (ft/ft):	Varies across the site

All monitoring and sampling activities for the site were conducted on September 13, 2013 by Antea Group 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 September 2013 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	2 of 6	360 (U-2)	420 (U-1)
Ethylbenzene	1 of 6	1.2 (U-1)	1.2 (U-1)
Total Xylenes	1 of 6	14 (U-1)	14 (U-1)
MTBE	5 of 6	0.58 (U-3)	81 (U-2)
TBA	5 of 6	11 (U-3)	3,500 (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 (420 µg/L) and U-2 (360 µg/L) during the current event .

Benzene: Benzene was below the laboratory's indicated reporting limits in eachl of the groundwater samples collected and submitted for analysis 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 (3.3 µg/L), U-2 (81 µg/L), U-3 (0.58 µg/L), U-5, (12 µg/L), and U-6 (2.8 µg/L) during the current event.

In addition, ethylbenzene was present in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (1.2 µg/L), total xylenes were present in the groundwater sample collected and submitted for analysis from monitoring well U-1 (14 µg/L), and TBA was present in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (1,000 µg/L), U-2 (3,500 µg/L), U-3 (11), U-5 (200 µg/L), and U-6 (37 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 September 13, 2013 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 September 2013 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 isoconcentration 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 is temporarily stored on-site in a 55-gallon drum. Subsequent to waste profiling, the waste water will be transported and disposed of at an approved waste facility.

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 Kiff laboratory analytical results for the September 2013 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:	Two
Validity of Laboratory Data:	Data set is Valid

Data Qualifiers:

- Matrix Spike/Matrix Spike Duplicate (MS/MSD) results associated with samples U-1_20130930, U-2_20130930, U-4_20130930, U-5_20130930, and U-6_20130930 for the analyte Ethanol were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) results associated with samples U-1_20130930, U-2_20130930, U-4_20130930, U-5_20130930, and U-6_20130930 for the analyte Tert-Butanol 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

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.

Groundwater trends show that petroleum hydrocarbon impact to the groundwater is stable or declining. According to Antea Group's *Sensitive Receptor Survey* dated October 8, 2013, there are no sensitive receptors that are likely to be affected by soil, soil vapor, or groundwater impacts due to a release at the site.

A *Case Closure Request* is currently being prepared for this site.

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:

For

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:

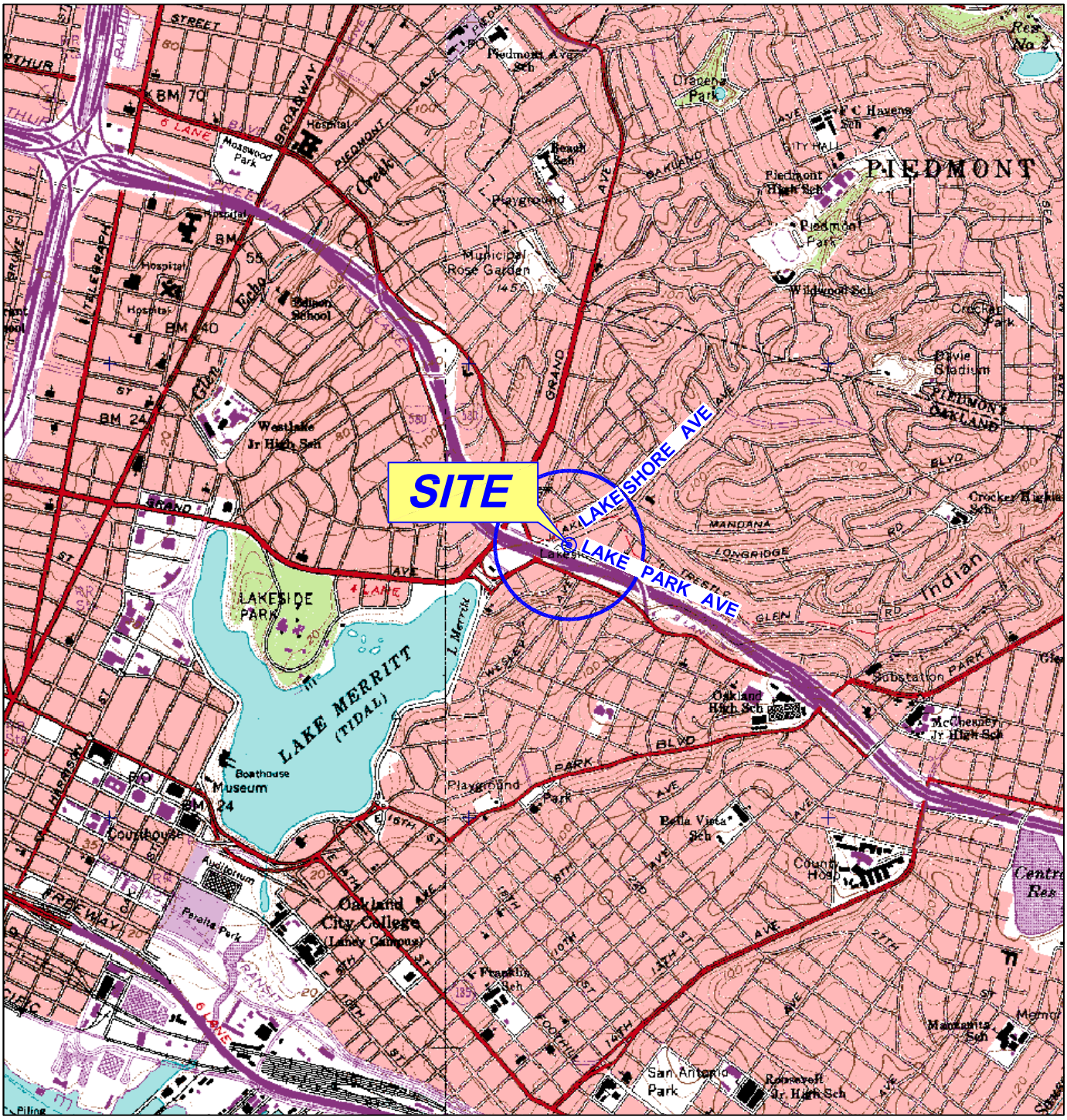
PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA

Dennis S Dettloff Date: 10/14/13

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

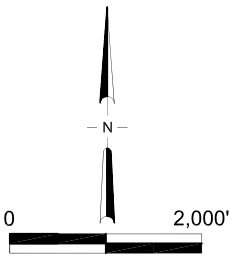
cc: GeoTracker (upload)

Figures



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

SITE LOCATION



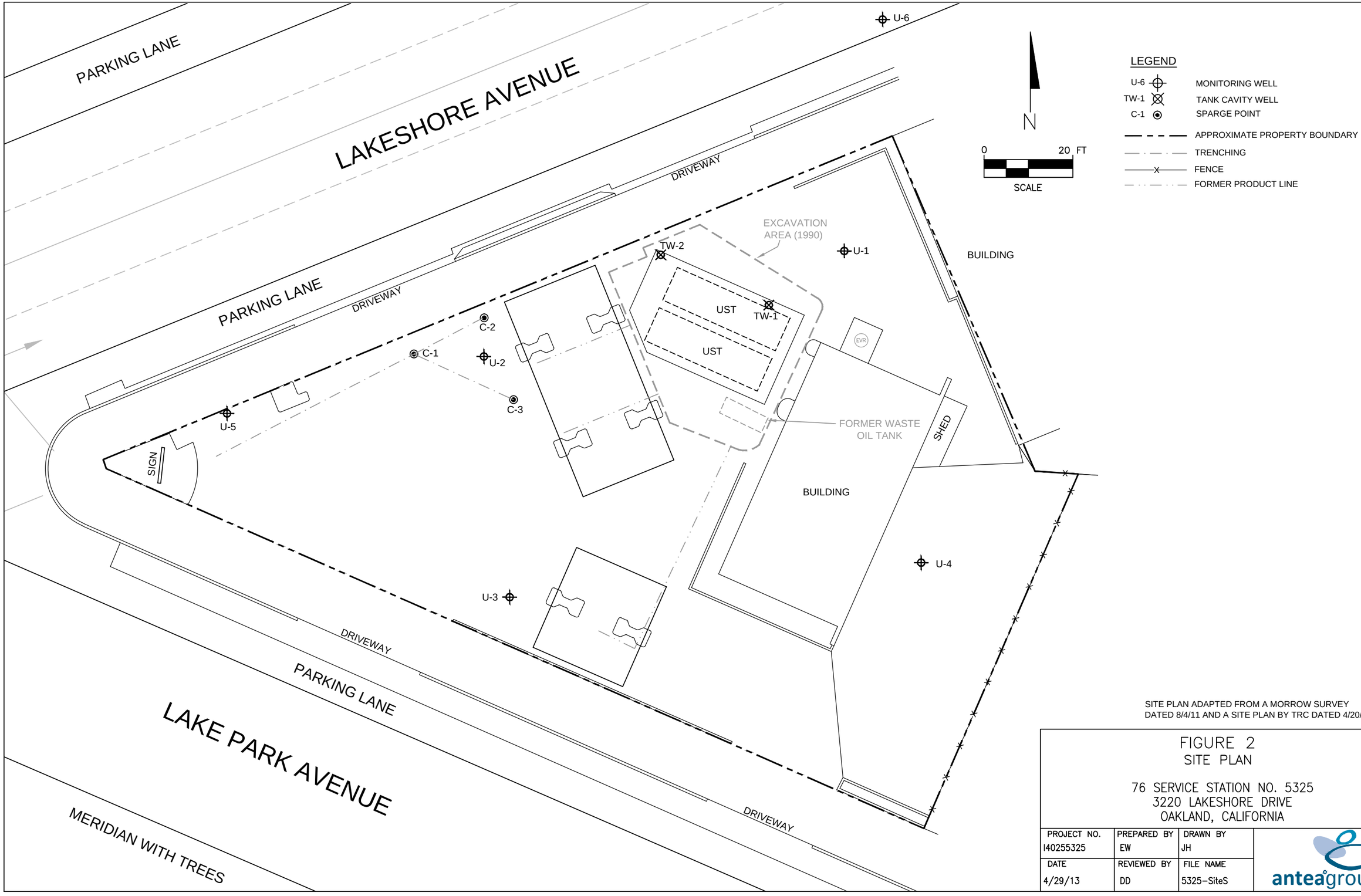
SCALE

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



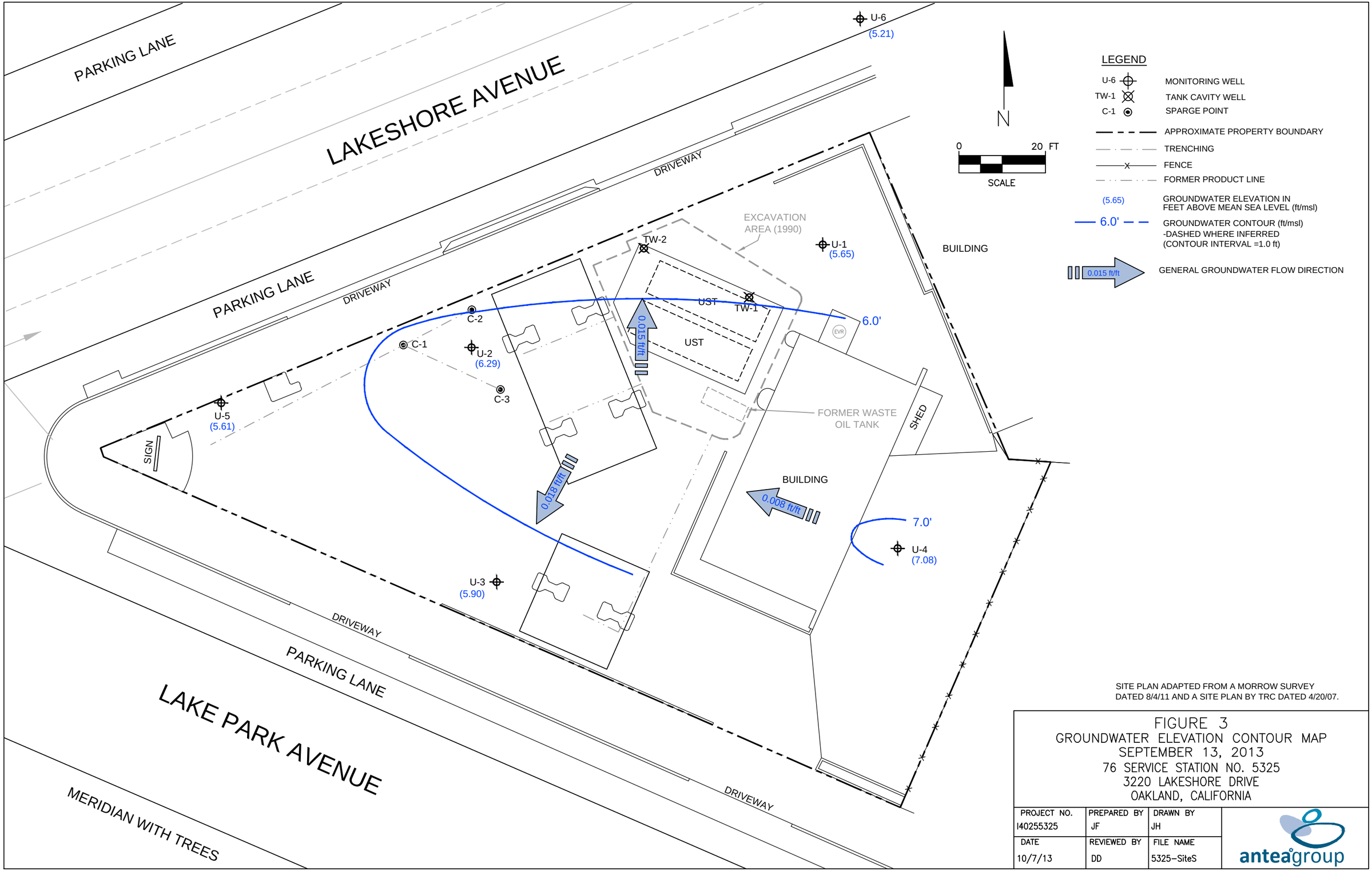
SITE PLAN ADAPTED FROM A MORROW SURVEY
DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 2
SITE PLAN

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

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	EW	JH
DATE	REVIEWED BY	FILE NAME
4/29/13	DD	5325-SiteS

antea group

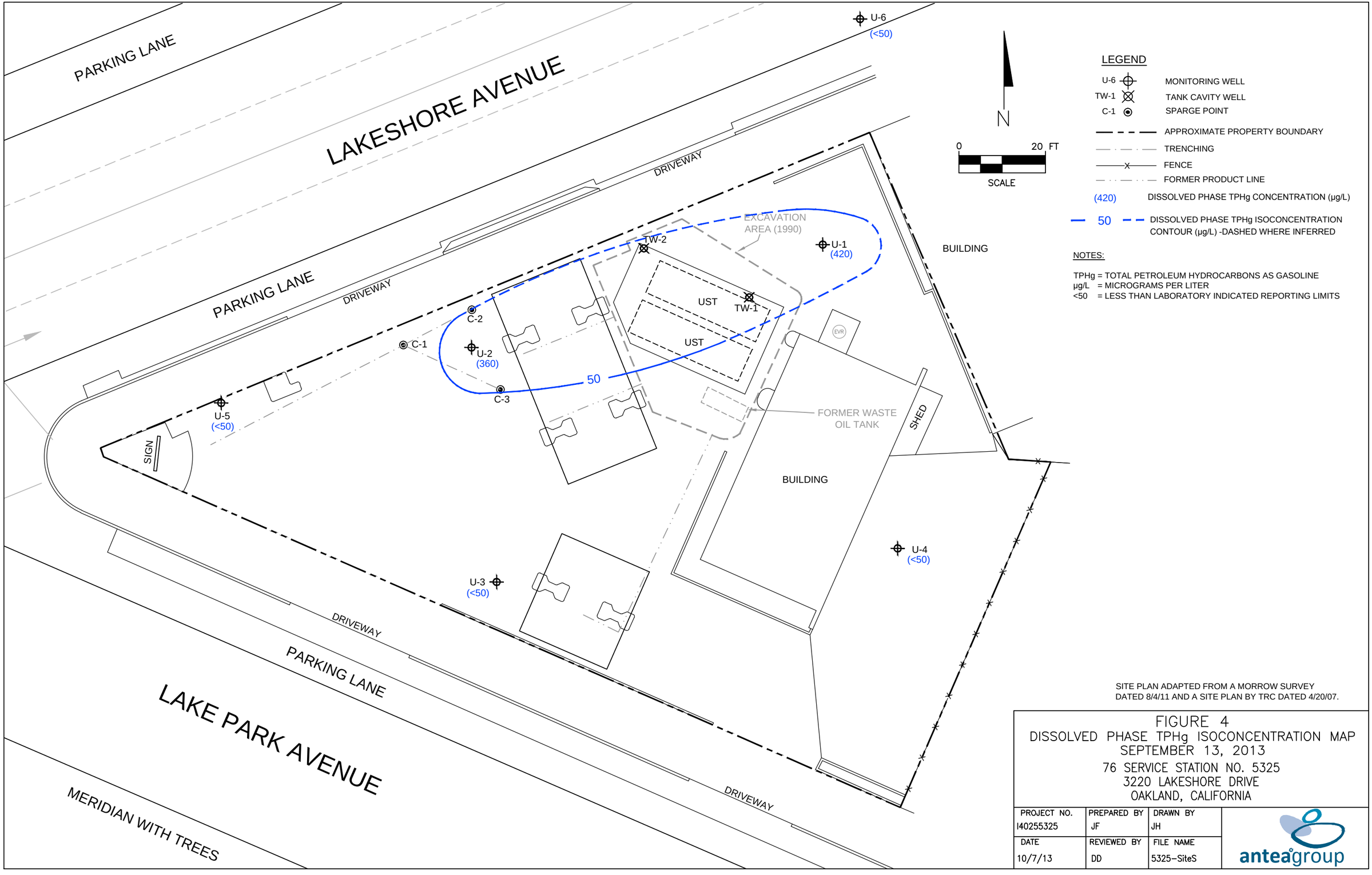


SITE PLAN ADAPTED FROM A MORROW SURVEY
DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
SEPTEMBER 13, 2013
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	JF	JH
DATE	REVIEWED BY	FILE NAME
10/7/13	DD	5325-SiteS

antea group

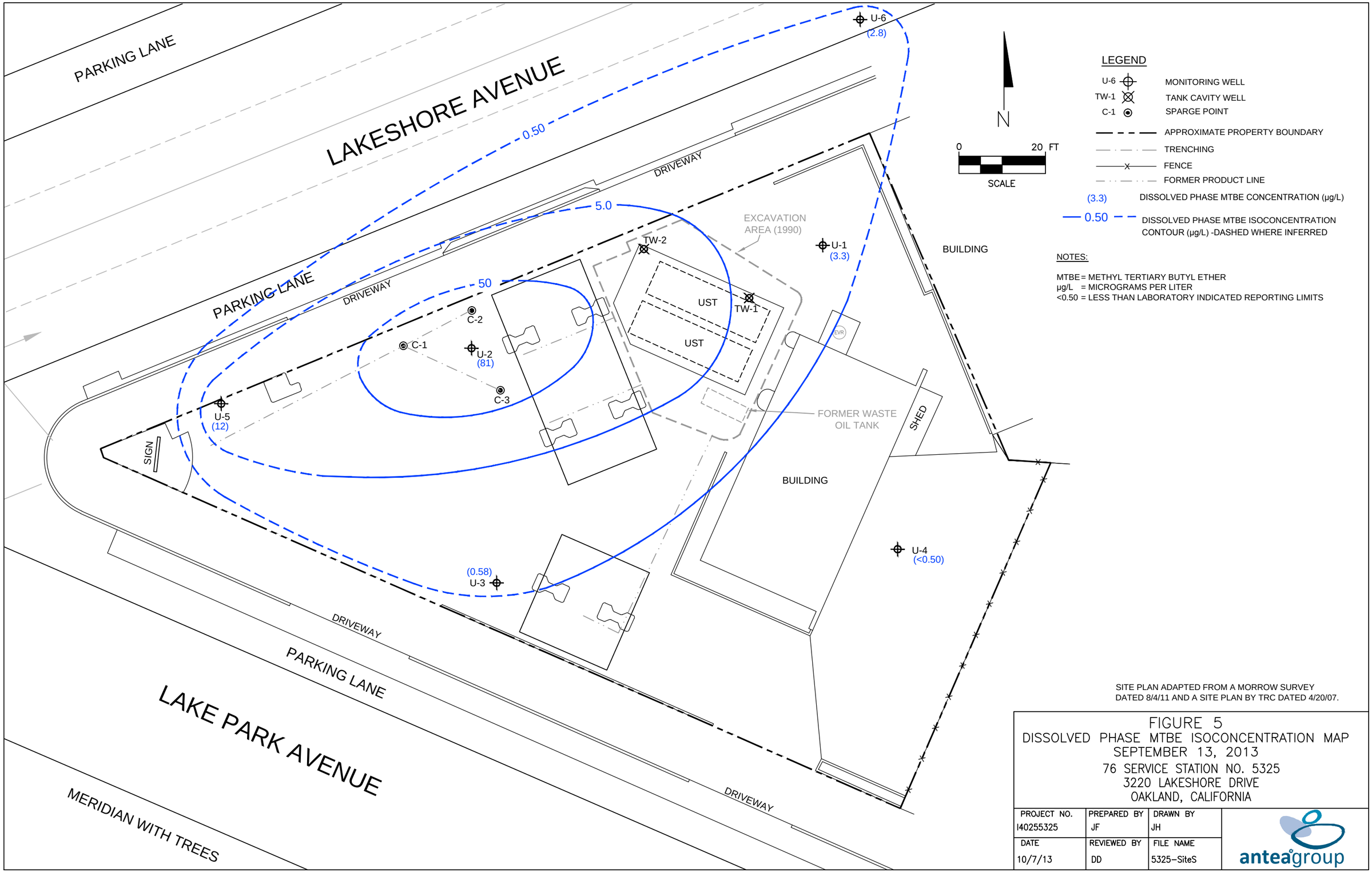


SITE PLAN ADAPTED FROM A MORROW SURVEY
DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 4
DISSOLVED PHASE TPHg ISOCONCENTRATION MAP
SEPTEMBER 13, 2013
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	JF	JH
DATE	REVIEWED BY	FILE NAME
10/7/13	DD	5325-SiteS

antea group



NOTES:

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

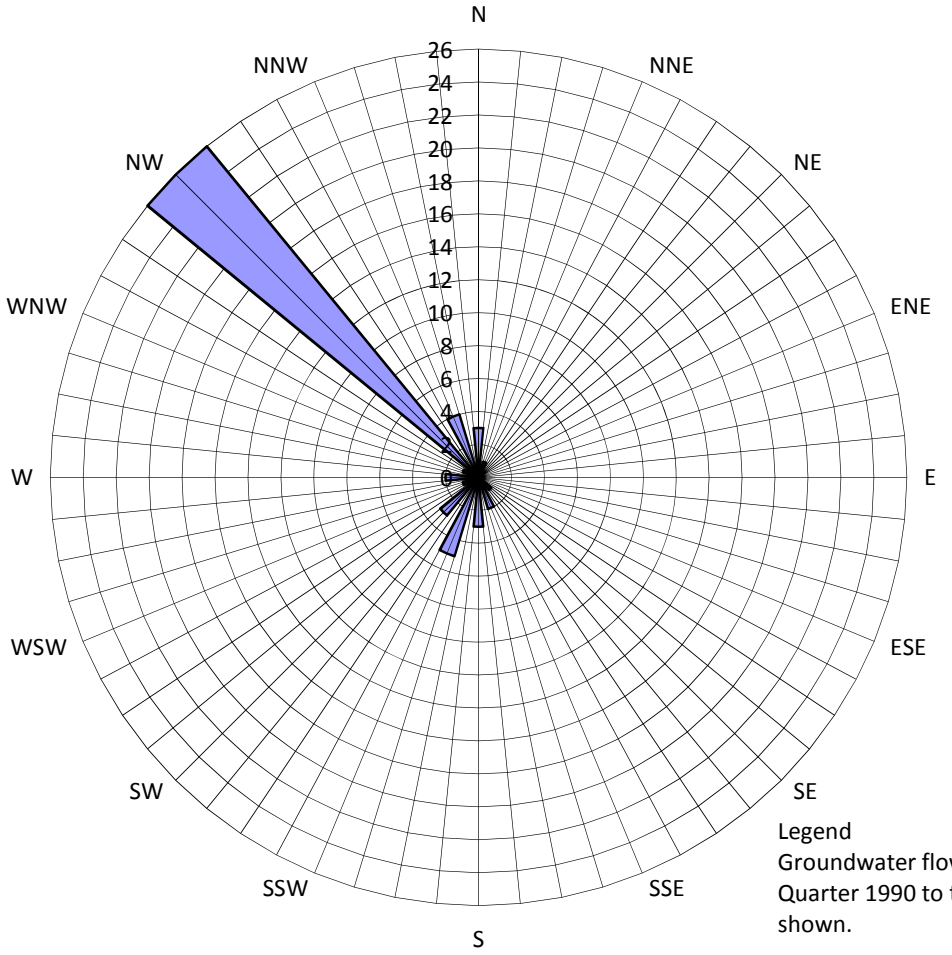
SITE PLAN ADAPTED FROM A MORROW SURVEY DATED 8/4/11 AND A SITE PLAN BY TRC DATED 4/20/07.

FIGURE 5
DISSOLVED PHASE MTBE ISOCONCENTRATION MAP
SEPTEMBER 13, 2013
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	JF	JH
DATE	REVIEWED BY	FILE NAME
10/7/13	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 Third Quarter 2013. 52 data points shown.

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	9/13/2013	14.24	8.59	NP	5.65	**420**	<0.50	<0.50	**1.2**	**14**	**3.3**	<0.50	<0.50	<0.50	**1,000**	<5.0	<0.50	<0.50
U-2	9/13/2013	13.45	7.16	NP	6.29	**360**	<0.90	<0.90	<0.90	<0.90	**81**	<0.90	<0.90	<0.90	**3,500**	<9.0	<0.90	<0.90
U-3	9/13/2013	16.37	10.47	NP	5.90	<50	<0.50	<0.50	<0.50	<0.50	**0.58**	<0.50	<0.50	<0.50	**11**	<5.0	<0.50	<0.50
U-4	9/13/2013	16.55	9.47	NP	7.08	<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	9/13/2013	12.77	7.16	NP	5.61	<50	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<0.50	<0.50	**200**	<5.0	<0.50	<0.50
U-6	9/13/2013	12.88	7.67	NP	5.21	<50	<0.50	<0.50	<0.50	<0.50	**2.8**	<0.50	<0.50	<0.50	**37**	<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	**52,000**	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
	3/13/2013	14.24	9.15	NP	5.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/13/2013	14.24	8.59	NP	5.65	**420**	<0.50	<0.50	**1.2**	**14**	--	**3.3**	<0.50	<0.50	<0.50	**1,000**	<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

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	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**	--	--	--	--	--	--	--	--
	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**	**19.5**	**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	**1.7**	<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**	**8.9**	<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	**18.5**	<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	**28.3**	<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	**17.4**	<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
	3/13/2013	13.45	7.34	NP	6.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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	9/13/2013	13.45	7.16	NP	6.29	**360**	<0.90	<0.90	<0.90	<0.90	--	**81**	<0.90	<0.90	<0.90	**3,500**	<9.0	<0.90	<0.90
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**	--	--	--	--	--	--	--	--	--
	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	--	--

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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	12/20/2004	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	--	--
	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
	3/13/2013	16.37	10.60	NP	5.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/13/2013	16.37	10.47	NP	5.90	<50	<0.50	<0.50	<0.50	<0.50	--	**0.58**	<0.50	<0.50	<0.50	**11**	<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	--	--	--	--	--	--	--	--

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	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	--	--	--	--	--	--	--	--
	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
	3/13/2013	16.55	8.15	NP	8.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/13/2013	16.55	9.47	NP	7.08	<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**	--	--	--	--	--	--	--	--

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	9/19/1997	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**	--	--	--	--	--	--	--
	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

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	3/13/2013	12.77	7.62	NP	5.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/13/2013	12.77	7.16	NP	5.61	<50	<0.50	<0.50	<0.50	<0.50	--	**12**	<0.50	<0.50	<0.50	**200**	<5.0	<0.50	<0.50
	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	--	--	--	--	--	--	--	--	--
	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**	--	--	--	--	--	--	--
U-6	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	--	<10	<10	<10	<20	--	**2,700**	<40	<40	<40	<2000	<10000	<40	<40
	6/18/2003	7.14	6.59	NP	0.55	--	<10	<10	<10	<20	--	**1,700**	<40	<40	<40	<2000	<10000	<40	<40
	9/24/2003	7.14	7.23	NP	-0.09	--	<100	<100	<100	<200	--	**1,500**	<400	<400	<400	<20000	<100000	<400	<400
	12/2/2003	7.14	7.80	NP	-0.66	--	<10	<10	<10	<20	--	**1,800**	--	--	--	--	<10000	--	--
	3/30/2004	7.14	7.32	NP	-0.18	--	<10	<10	<10	<20	--	**1,700**	<20	<10	<10	**770**	<1000	<10	<10
	6/7/2004	7.14	9.35	NP	-2.21	--	<10	<10	<10	<20	--	**1,800**	<20	<10	<10	**110**	<1000	<10	<10
	9/9/2004	7.14	12.81	NP	-5.67	--	<10	<10	<10	<20	--	**1,400**	<20	<10	<10	**1,900**	<1000	<10	<10
	12/20/2004	7.14	7.96	NP	-0.82	--	<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	--	<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	--	<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	--	<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	--	<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	--	<0.50	<0.50	<0.50	<1.0	--	**8.1**	--	--	--	--	<250	--	--
	6/12/2006	7.14	6.59	NP	0.55	--	<0.50	<0.50	<0.50	<1.0	--	**6.9**	--	--	--	--	<250	--	--
	9/21/2006	7.14	6.90	NP	0.24	--	<0.50	<0.50	<0.50	<0.50	--	**3.1**	--	--	--	--	<250	--	--
	12/21/2006	7.14	7.36	NP	-0.22	--	<0.50	<0.50	<0.50	<0.50	--	**1.2**	--	--	--	--	<250	--	--
	3/28/2007	7.14	3.48	NP	3.66	--	<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	--	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	--	--	--	<250	--	--
	12/27/2007	7.14	6.96	NP	0.18	--	<0.50	<0.50	<0.50	<1.0	--	**2.4**	--	--	--	--	<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-6	3/26/2008	7.14	6.55	NP	0.59	--	<0.50	<0.50	<0.50	<1.0	--	**2.3**	--	--	--	--	<250	--	--
	6/18/2008	7.14	6.71	NP	0.43	--	<0.50	<0.50	<0.50	<1.0	--	**0.59**	--	--	--	--	<250	--	--
	9/24/2008	7.14	5.50	NP	1.64	--	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	12/22/2008	7.14	6.48	NP	0.66	--	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	--	--	--	<250	--	--
	3/26/2009	7.14	6.09	NP	1.05	--	<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	--	<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	--	<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	7.14	5.26	NP	1.88	--	<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	--	<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	--	<0.50	<0.50	<0.50	<0.50	--	**1.5**	<0.50	<0.50	<0.50	**42**	<5.0	<0.50	<0.50
	3/13/2013	12.88	7.90	NP	4.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/13/2013	12.88	7.67	NP	5.21	--	<0.50	<0.50	<0.50	<0.50	--	**2.8**	<0.50	<0.50	<0.50	**37**	<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																		
		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
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
U-3	12/20/2010	--	**312,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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**
U-5	12/20/2010	--	**319,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
U-6	12/20/2010	--	**87,800**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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
	6/30/2010	--	<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**
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
	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

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	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
	6/30/2010	--	<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
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**
	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**

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	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**
	6/30/2010	--	--	--	--	--	**952**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2010	--	--	--	--	--	**812**	--	--	--	--	--	--	--	--	--	--	--	--	--	**4,770**
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**
	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**

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	3/26/2009	--	--	--	--	--	--	--	<100	--	--	--	--	--	--	--	--	--	--	--	**4,400**
	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**
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
	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
	6/30/2010	--	--	--	--	--	**6,650**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2010	--	--	--	--	--	**7,160**	--	--	--	--	--	--	--	--	--	--	--	--	--	<50.0
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**

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	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**
	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**
	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
	6/30/2010	--	--	--	--	--	**566,000**	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/20/2010	--	--	--	--	--	**28,500**	--	--	--	--	--	--	--	--	--	--	--	--	--	**486**

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	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	--	--	--	--	--	--	--	--	--	--	--	--
	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
	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**	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**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	--
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**	--	--	--	--	--	--	--	--	--	--	--	--
	6/4/2002	--	--	--	--	--	**144**	**144**	<0.10	--	--	--	--	--	--	--	--	--	--	--	--
	9/3/2002	--	--	--	--	--	**151**	**151**	**0.26**	--	--	--	--	--	--	--	--	--	--	--	--

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	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	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	--	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**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	--
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**	--	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--
	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**	--	--	--	--	--	--	--	--	--	--	--

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	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	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**	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	<10.0	--	--	**4,690**	--	--	--	--	--	--	--	--	--	**65,800**	--	--	--	--	--	--
	12/20/2010	**13.3**	--	--	**4,780**	--	--	--	--	--	--	--	--	--	**62,100**	--	--	--	--	--	--
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**	--	--	--	--	--	--	--	--	--	--	--	--
	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**	--	--	--	--	--	--	--	--	--	--	--
	9/24/2008	--	--	--	--	--	--	--	--	**0.34**	--	--	--	--	--	--	--	--	--	--	--
	12/22/2008	--	--	--	--	--	--	--	--	**0.39**	--	--	--	--	--	--	--	--	--	--	--
	3/26/2009	--	--	--	--	--	--	--	--	**0.37**	--	--	--	--	--	--	--	--	--	--	--
	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	--
U-5	6/30/1997	--	--	--	--	--	**160**	**160**	ND	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/1997	--	--	--	--	--	**63**	**63**	ND	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/1997	--	--	--	--	--	**400**	**400**	ND	--	--	--	--	--	--	--	--	--	--	--	--

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	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)
	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**	--	--	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**39.9**	--	--	**91.5**	--	--	--	--	--	--	--	--	--	**5,560**	--	--	--	--	--	--
	12/20/2010	**34.3**	--	--	<50.0	--	--	--	--	--	--	--	--	--	<5000	--	--	--	--	--	--
U-6	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	--	--	--	--	--	--	--	--	--	--	--	--
	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**	--	--	--	--	--	--	--	--	--	--	--	--

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	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-6	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**	--	--	--	--	--	--	--	--	--	--	--	--
	3/30/2004	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--
	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
	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**	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	**44.3**	--	--	**308**	--	--	--	--	--	--	--	--	--	**10,100**	--	--	--	--	--	--
	12/20/2010	**33.4**	--	--	**520**	--	--	--	--	--	--	--	--	--	**12,400**	--	--	--	--	--	--

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
	12/19/2012	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/13/2013	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/13/2013	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 = 82

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

Antea Group's Groundwater Sampling Procedures

FIELD METHODS AND PROCEDURES

The following section describes field procedures that are to be used by Antea Group personnel in the performance of the tasks involved with this project.

1.0 HEALTH AND SAFETY PLAN

Fieldwork performed by Antea Group and Antea Group's subcontractors at the site will be conducted according to guidelines established in a Site Health and Safety Plan (SHSP). The SHSP is a document that describes the hazards that may be encountered in the field and specifies protective equipment, work procedures and emergency information. A copy of the SHSP will be at the site and available for reference by appropriate parties during work at the site.

2.0 GROUNDWATER DEPTH ASSESSMENT

A water/product interface probe is used to assess the liquid-phase hydrocarbons (LPH) thickness, if present, and a water level indicator is used to measure the groundwater depth in monitoring wells that do not contain LPH. Depth to groundwater or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for LPH sheen.

3.0 SUBJECTIVE ANALYSIS OF GROUNDWATER

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

4.0 MONITORING WELL SAMPLING

Monitoring wells are purged using a pump or bailer until pH, temperature and conductivity of the purge water has stabilized and a minimum of three well volumes of water has been removed. The purge water is placed in 55-gallon drums and temporarily stored onsite pending evaluation of disposal options. If three well volumes cannot be removed in one-half an hour's time, the well is allowed to recharge to 80 percent of original level. After recharging, a groundwater sample is then removed from each of the wells using a pump or disposable bailer. The water sample is collected, labeled and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of according to the accepted regulatory method pertaining to the site.

5.0 QUALITY ASSURANCE PLAN

This section describes the field and analytical procedures to be followed by Antea Group throughout the investigation.

5.1 General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample will be collected in the appropriate container, preserved correctly for the intended analysis and stored, prior to analysis, for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of soil samples from this project can be found in previous sections.

5.2 Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures ensure sample integrity and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis will have a label affixed to identify the job number, sampler, date and time of sample collection and a sample number unique to that sample. During soil sampling, this information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel and any other pertinent field observations will be recorded on the borehole log or in the field records.

Attachment C

Antea Group's Groundwater Sampling Field Data Sheets

Well-Head Inspection & Well Gauging Form

Antea Group Project No: I40255325 **Site Address:** 3200 Lakeshore Ave, Oakland, CA 94610

Field Technician: Jon Fillingame, Antea Group *(Print Full Name & Company*)* **Date:** 9/13/13 **Weather:** Overcast

Well Condition

Sample Order	Field Point	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
1	U-4	X	X	X	X	X	X	4"	8:35	9.47	19.28	—	—	
2	U-3	X		X	X	X		3"	8:40	10.47	19.10	—	—	no seal
3	U-6	X	X	X	X	X		2"	8:45	7.67	23.68	—	—	
4	U-5	X	X	X	X	X		4"	8:50	7.16	20.02	—	—	
5	U-2	2/3		X	X	X		3"	8:55	7.16	19.54	—	—	2 bolts sheared off to open
6	U-1	X	X	X	X	X	X	3"	9:00	8.59	12.95	—	—	

Notes:

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

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*Form provided by Antea Group

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

Groundwater Sampling Form

Site Address:	3200 Lakeshore Ave, Oakland, CA 94610		
Project No:	I40255325	Field Technician:	Jon Fillingame
Field Point:	W-1	Date:	9/13/13
Depth to Water (DTW) (ft bgs):	8.59	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	12.95	Water Column Height (ft):	4.36

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): 4.36 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 1.61

Casing Volume (gal): 1.61 X Specified Volumes: 3 = Calculated Purge (gal): 4.84

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)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge								
12:57	22.55	8.24	1082	-227.7		2.35	0.25	
12:58	22.39	8.09	1085	-230.0		1.27	1.6	
12:59	21.54	7.97	1151	-230.4		0.77	3.2	
12:59	21.21	7.92	1173	-228.3		0.68	4.8	
Post-Purge								

Did Well dewater? Yes (No) Total Purge volume (gal): 4.8

Other Comments:

Sample Info:

Sample ID: W-1_20130913 Sample Date and Time: 9/13/13 13:15

Selected Analysis:

This form was provided by Antea Group and completed by: (Print Full Name) Jonathan Fillingame

Signature: Jonathan Fillingame Date: 9/13/13

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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 Form

Site Address:	3200 Lakeshore Ave, Oakland, CA 94610		
Project No:	I40255325	Field Technician:	Jon Fillingame
Field Point:	U-2	Date:	9/13/13
Depth to Water (DTW) (ft bgs):	7.16	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	19.54	Water Column Height (ft):	12.38

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): 12.38 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 4.58

Casing Volume (gal): 4.58 X Specified Volumes: 3 = Calculated Purge (gal): 13.74

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)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge								
12:29	22.61	7.88	3347	-216.8		2.75	0.1	
12:32	22.91	7.67	2738	-226.3		0.70	4.6	
							9.2	
							13.7	
Post-Purge								

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

Other Comments: Sheen on water. Third bolt broke while closing lid

Sample Info:

Sample ID:	U-2-20130930	Sample Date and Time:	9/13/13 12:45
Selected Analysis:			

This form was provided by Antea Group and completed by: (Print Full Name) Jonathan Fillingame

Signature: Jonathan Fillingame Date: 9/13/13

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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 Form

Site Address:	3200 Lakeshore Ave, Oakland, CA 94610		
Project No:	I40255325	Field Technician:	Jon Fillingame
Field Point:	U-3	Date:	9/13/13
Depth to Water (DTW) (ft bgs):	10.47	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	19.10	Water Column Height (ft):	8.63

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): 8.63 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 3.19

Casing Volume (gal): 3.19 X Specified Volumes: 3 = Calculated Purge (gal): 9.58

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)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge								
10:30	20.80	7.86	2596	-157.9		2.27	0.1	
10:38	21.12	7.81	2400	-179.9		1.03	3.2	
10:40	20.32	7.74	2073	-171.6		2.04	~~6.4~~ 6.0	
							9.6	
Post-Purge								

Did Well dewater? (Yes) No Total Purge volume (gal): 6.0

Other Comments:

Sample Info:

Sample ID: U-3_20130930 Sample Date and Time: 9/13/13 10:50

Selected Analysis:

This form was provided by Antea Group and completed by: (Print Full Name) Jonathan Fillingame

Signature: Jonathan Fillingame Date: 9/13/13

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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 Form

Site Address:	3200 Lakeshore Ave, Oakland, CA 94610		
Project No:	I40255325	Field Technician:	Jon Fillingame
Field Point:	U-4	Date:	9/13/13
Depth to Water (DTW) (ft bgs):	9.47	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	19.28	Water Column Height (ft):	9.81

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): 9.81 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 6.47

Casing Volume (gal): 6.47 X Specified Volumes: 3 = Calculated Purge (gal): 19.42

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)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge								
10:03	21.29	7.70	936	-159.5		2.53	0.1	
10:06	22.41	7.74	950	-177.7		1.88	6.5	
10:10	21.33	7.70	958	-178.3		2.08	13.0	
							19.4	
Post-Purge								

Did Well dewater? (Yes) No Total Purge volume (gal): 16

Other Comments:

Sample Info:

Sample ID: U-4-20130930 Sample Date and Time: 9/13/13 10:25

Selected Analysis:

This form was provided by Antea Group and completed by: (Print Full Name) Jonathan Fillingame

Signature: Jonathan Fillingame Date: 9/13/13

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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 Form

Site Address:	3200 Lakeshore Ave, Oakland, CA 94610		
Project No:	I40255325	Field Technician:	Jon Fillingame
Field Point:	U-5	Date:	9/13/13
Depth to Water (DTW) (ft bgs):	7.16	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	20.02	Water Column Height (ft):	12.86

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): 12.86 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 8.49

Casing Volume (gal): 8.49 X Specified Volumes: 3 = Calculated Purge (gal): 25.47

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)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge								
11:57	21.88	7.34	3420	-187.6		2.50	0.1	
~~11~~ 12:01	21.56	7.46	3486	-224.7		0.49	8.5	
							17.0	
							25.5	
Post-Purge								

Did Well dewater? (Yes) No Total Purge volume (gal): 12

Other Comments:

Sample Info:

Sample ID: U-5_20130930 Sample Date and Time: 9/13/13 12:20

Selected Analysis:

This form was provided by Antea Group and completed by: (Print Full Name) Jonathan Fillingame

Signature: Jonathan Fillingame Date: 9/13/13

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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 Form

Site Address:	3200 Lakeshore Ave, Oakland, CA 94610		
Project No:	I40255325	Field Technician:	Jon Fillingame
Field Point:	U-6	Date:	9/13/13
Depth to Water (DTW) (ft bgs):	7.67	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):		Thickness of LNAPL (ft):	
Total Depth of Well (ft bgs):	23.68	Water Column Height (ft):	16.01

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): 16.01 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 2.72

Casing Volume (gal): 2.72 X Specified Volumes: 3 = Calculated Purge (gal): 8.16

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

Purge: **Start Time:**_____ **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								
11:24	19.34	8.15	1119	-232.6		2.65	0.1	
11:25	19.25	7.93	1084	-244.7		1.04	2.7	
11:27	18.82	7.82	1084	-245.6		0.70	5.4	
11:29	18.59	7.75	1063	-247.5		0.49	8.2	
Post-Purge								

Did Well dewater? Yes (No) Total Purge volume (gal): 8.2

Other Comments:

Sample Info:

Sample ID: U-6_20130930 Sample Date and Time: 9/13/13 11:40

Selected Analysis:

This form was provided by Antea Group and completed by: (Print Full Name) Jonathan Fillingame

Signature: Jonathan Fillingame Date: 9/13/13

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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

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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 ____

3Q13 GW Event

Required Lab Information:		Required Project Information:				Required Invoice Information:					
Lab Name:	Kiff Analytical	Site ID #:	255325	Task:	WG_Q_201309	Send Invoice to:	Sandy Hayes				
Address:	2795 Second Street #300	AnteaGrp proj#				Address:	11050 White Rock Road, Suite 110			Turn around time (days)	10
Davis, CA 95618		Site Address	3200 LAKESHORE AVE			City/State	Rancho Cordova CA 95670	Phone #:	916-638-2085	QC level Required: Standard	Special / Mark one
Lab PM:	Scott Forbes	City	OAKLAND	State	CA 94610	Reimbursement project?		Non-reimbursement project?	Y / Mark one	NJ Reduced Deliverable Package?	
Phone/Fax:	P: 530-297-4800 F: 530-297-4808	AG PM Name:	Dennis Dettloff			Send EDD to	AgDataview.us@anteagroup.com			MA MCP Cert?	CT RCP Cert? / Mark One
Lab PM email	SForbes@kiffanalytical.com	Phone/Fax:	P: 916-503-1261 F: 408-225-8506			CC Hardcopy report to				Lab Project ID (lab use)	
Applicable Lab Quote #:		AG PM Email:	dennis.dettloff@anteagroup.com			CC Hardcopy report to				Requested Analyses	

Valid Matrix Codes: DRINKING WATER WP; GROUND WATER WG; WASTE WATER WW; FREE PRODUCT LF; SOIL SO; OIL OL; WIPE SW; AMBIENT AIR AA; SVE AIR AC; 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	8260 GC/MS GRO	8260B/MTBE/TOx/TCA	Comments/Lab Sample I.D.
1	U-1_20130930	WG	G	9/13/13	13:15	3	N				X					X	X	7 Oxy's = DIPE, TBA, TAME, ETBE, 1-2DCA, EDB, and Ethanol
2	U-2_20130930	WG	G	9/13/13	12:45	3	N				X					X	X	
3	U-3_20130930	WG	G	9/13/13	10:50	3	N				X					X	X	
4	U-4_20130930	WG	G	9/13/13	10:25	3	N				X					X	X	
5	U-5_20130930	WG	G	9/13/13	12:20	3	N				X					X	X	
6	U-6_20130930	WG	G	9/13/13	11:40	3	N				X					X	X	**This site has surfactants**
7																		
8																		
9																		
10																		
11																		
12																		

Additional Comments/Special Instructions:

Global ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jonathan Fillingame	9/13/13	15:30			
			Kiff Analytical LLC	09/13/13	1530

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

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Fillingame

SIGNATURE of SAMPLER: Jonathan Fillingame DATE Signed 9/13/13 Time: 15:30

Attachment D

Certified Laboratory Analytical Report and Data Validation Form

KIFF Analytical LLC

Report Number : 85981
Date : 09/20/2013

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 : 85981
Date : 09/20/2013

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

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples U-1_20130930, U-2_20130930, U-4_20130930, U-5_20130930, and U-6_20130930 for the analyte Ethanol were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Matrix Spike/Matrix Spike Duplicate results associated with samples U-1_20130930, U-2_20130930, U-4_20130930, U-5_20130930, and U-6_20130930 for the analyte Tert-Butanol were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Analysis Summary

Report Number : 85981

Date : 09/20/13

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

Project Name :255325
Project Number :

			Sample Name	U-1_20130930		U-2_20130930		U-3_20130930		U-4_20130930		U-5_20130930		U-6_20130930	
			Sample Date	09/13/13		09/13/13		09/13/13		09/13/13		09/13/13		09/13/13	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L		0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L		0.50	**1.2**	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L		0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L		0.50	**14**	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L		0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethanol	EPA 8260B	ug/L		5.0	ND	9.0	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	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L		0.50	**3.3**	0.90	**81**	0.50	**0.58**	0.50	ND	0.50	**12**	0.50	**2.8**
Tert-Butanol	EPA 8260B	ug/L		5.0	**1000**	7.0	**3500**	5.0	**11**	5.0	ND	5.0	**200**	5.0	**37**
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L		0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ug/L		50	**420**	150	**360**	50	ND	50	ND	50	ND	50	ND
1,2-Dibromoethane	EPA 8260B	ug/L		0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloroethane	EPA 8260B	ug/L		0.50	ND	0.90	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%			104		102		98.3		104		103		103
Toluene - d8 (Surr)	EPA 8260B	%			100		100		99.0		101		100		100

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 : 85981
Date : 09/20/13

Project Name : **255325**
Project Number :

Sample : **U-1_20130930** Matrix : Water Lab Number : 85981-01
Sample Date :09/13/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 02:15
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 02:15
Ethylbenzene	**1.2**	0.50	ug/L	EPA 8260B	09/17/13 02:15
Total Xylenes	**14**	0.50	ug/L	EPA 8260B	09/17/13 02:15
Methyl-t-butyl ether (MTBE)	**3.3**	0.50	ug/L	EPA 8260B	09/17/13 02:15
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 02:15
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 02:15
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 02:15
Tert-Butanol	**1000**	5.0	ug/L	EPA 8260B	09/17/13 02:15
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13 02:15
TPH as Gasoline	**420**	50	ug/L	EPA 8260B	09/17/13 02:15
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 02:15
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 02:15
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	09/17/13 02:15
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	09/17/13 02:15

KIFF Analytical LLC

Report Number : 85981
Date : 09/20/13

Project Name : **255325**
Project Number :

Sample : **U-2_20130930** Matrix : Water Lab Number : 85981-02
Sample Date :09/13/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
Toluene	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
Ethylbenzene	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
Total Xylenes	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
Methyl-t-butyl ether (MTBE)	**81**	0.90	ug/L	EPA 8260B	09/17/13 04:41
Diisopropyl ether (DIPE)	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
Ethyl-t-butyl ether (ETBE)	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
Tert-amyl methyl ether (TAME)	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
Tert-Butanol	**3500**	7.0	ug/L	EPA 8260B	09/17/13 14:34
Ethanol	< 9.0	9.0	ug/L	EPA 8260B	09/17/13 04:41
TPH as Gasoline	**360**	150	ug/L	EPA 8260B	09/17/13 14:34
1,2-Dichloroethane	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
1,2-Dibromoethane	< 0.90	0.90	ug/L	EPA 8260B	09/17/13 04:41
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	09/17/13 04:41
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	09/17/13 04:41

KIFF Analytical LLC

Report Number : 85981

Date : 09/20/13

Project Name : **255325**

Project Number :

Sample : **U-3_20130930** Matrix : Water Lab Number : 85981-03

Sample Date :09/13/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
Methyl-t-butyl ether (MTBE)	**0.58**	0.50	ug/L	EPA 8260B	09/17/13 13:25
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
Tert-Butanol	**11**	5.0	ug/L	EPA 8260B	09/17/13 13:25
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13 13:25
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/17/13 13:25
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 13:25
1,2-Dichloroethane-d4 (Surr)	98.3		% Recovery	EPA 8260B	09/17/13 13:25
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	09/17/13 13:25

KIFF Analytical LLC

Report Number : 85981
Date : 09/20/13

Project Name : **255325**
Project Number :

Sample : **U-4_20130930** Matrix : Water Lab Number : 85981-04
Sample Date :09/13/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 23:10
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13 16:58
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13 16:58
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/17/13 16:58
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 16:58
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	09/17/13 16:58
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	09/17/13 16:58

KIFF Analytical LLC

Report Number : 85981
Date : 09/20/13

Project Name : **255325**
Project Number :

Sample : **U-5_20130930** Matrix : Water Lab Number : 85981-05
Sample Date :09/13/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
Methyl-t-butyl ether (MTBE)	**12**	0.50	ug/L	EPA 8260B	09/17/13 17:32
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
Tert-Butanol	**200**	5.0	ug/L	EPA 8260B	09/17/13 17:32
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13 17:32
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/17/13 17:32
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13 17:32
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	09/17/13 17:32
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	09/17/13 17:32

KIFF Analytical LLC

Report Number : 85981
Date : 09/20/13

Project Name : **255325**
Project Number :

Sample : **U-6_20130930** Matrix : Water Lab Number : 85981-06
Sample Date :09/13/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
Methyl-t-butyl ether (MTBE)	**2.8**	0.50	ug/L	EPA 8260B	09/19/13 16:38
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
Tert-Butanol	**37**	5.0	ug/L	EPA 8260B	09/19/13 16:38
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	09/19/13 16:38
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/19/13 16:38
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/19/13 16:38
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	09/19/13 16:38
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	09/19/13 16:38

Report Number : 85981

Date : 09/20/13

QC Report : Method Blank Data

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	09/17/13
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/17/13
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	09/17/13
Toluene - d8 (Surr)	100		%	EPA 8260B	09/17/13
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/17/13
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/17/13
1,2-Dichloroethane-d4 (Surr)	98.9		%	EPA 8260B	09/17/13
Toluene - d8 (Surr)	98.7		%	EPA 8260B	09/17/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/17/13
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/17/13

KIFF ANALYTICAL, LLC

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

Report Number : 85981

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 09/20/13

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														
	85981-01	<0.50	40.2	40.2	43.6	43.2	ug/L	EPA 8260B	9/17/13	108	107	1.00	70.0-130	25
1,2-Dichloroethane														
	85981-01	<0.50	39.9	39.9	42.3	41.5	ug/L	EPA 8260B	9/17/13	106	104	1.82	70.0-130	25
Benzene														
	85981-01	<0.50	39.9	39.9	40.5	40.4	ug/L	EPA 8260B	9/17/13	102	101	0.268	70.0-130	25
Diisopropyl ether														
	85981-01	<0.50	39.2	39.2	41.8	40.4	ug/L	EPA 8260B	9/17/13	107	103	3.44	70.0-130	25
Ethanol														
	85981-01	<5.0	99.1	99.1	155	206	ug/L	EPA 8260B	9/17/13	**157**	**208**	**27.9**	55.0-150	25
Ethyl-tert-butyl ether														
	85981-01	<0.50	40.0	40.0	43.0	40.2	ug/L	EPA 8260B	9/17/13	107	100	6.73	70.0-130	25
Ethylbenzene														
	85981-01	1.2	39.9	39.9	43.2	42.4	ug/L	EPA 8260B	9/17/13	105	103	2.08	70.0-130	25
Methyl-t-butyl ether														
	85981-01	3.3	39.8	39.8	46.4	42.5	ug/L	EPA 8260B	9/17/13	108	98.3	9.64	70.0-130	25
P + M Xylene														
	85981-01	9.8	39.9	39.9	51.2	50.1	ug/L	EPA 8260B	9/17/13	104	101	2.64	70.0-130	25
Tert-Butanol														
	85981-01	1000	201	201	1190	1180	ug/L	EPA 8260B	9/17/13	77.0	**69.5**	10.2	70.0-130	25

KIFF ANALYTICAL, LLC

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

Report Number : 85981

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 09/20/2013

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														
	85981-01	<0.50	40.2	40.2	43.4	41.2	ug/L	EPA 8260B	9/17/13	108	102	5.21	70.0-130	25
Toluene														
	85981-01	<0.50	39.9	39.9	41.8	41.1	ug/L	EPA 8260B	9/17/13	105	103	1.63	70.0-130	25
P + M Xylene														
	85991-04	<0.50	40.0	40.0	41.3	40.6	ug/L	EPA 8260B	9/17/13	103	101	1.76	70.0-130	25
1,2-Dibromoethane														
	85941-06	<0.50	40.3	40.3	42.0	41.8	ug/L	EPA 8260B	9/17/13	104	104	0.371	70.0-130	25
1,2-Dichloroethane														
	85941-06	2.1	40.0	40.0	40.1	40.1	ug/L	EPA 8260B	9/17/13	94.9	95.0	0.0495	70.0-130	25
Benzene														
	85941-06	120	40.0	40.0	160	159	ug/L	EPA 8260B	9/17/13	88.4	85.0	3.96	70.0-130	25
Diisopropyl ether														
	85941-06	<0.50	39.3	39.3	40.1	40.1	ug/L	EPA 8260B	9/17/13	102	102	0.00289	70.0-130	25
Ethanol														
	85941-06	9.6	99.3	99.3	110	118	ug/L	EPA 8260B	9/17/13	102	109	7.45	55.0-150	25
Ethyl-tert-butyl ether														
	85941-06	<0.50	40.1	40.1	38.9	39.5	ug/L	EPA 8260B	9/17/13	97.0	98.4	1.41	70.0-130	25

KIFF ANALYTICAL, LLC

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

Report Number : 85981

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 09/20/2013

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
Ethylbenzene														
	85941-06	18	40.0	40.0	57.0	57.3	ug/L	EPA 8260B	9/17/13	98.0	98.6	0.607	70.0-130	25
Methyl-t-butyl ether														
	85941-06	120	39.9	39.9	166	165	ug/L	EPA 8260B	9/17/13	105	103	1.97	70.0-130	25
P + M Xylene														
	85941-06	28	40.0	40.0	62.9	63.6	ug/L	EPA 8260B	9/17/13	86.0	87.8	2.02	70.0-130	25
Tert-Butanol														
	85941-06	7.7	202	202	213	218	ug/L	EPA 8260B	9/17/13	102	104	2.47	70.0-130	25
Tert-amyl-methyl ether														
	85941-06	13	40.3	40.3	53.4	54.1	ug/L	EPA 8260B	9/17/13	100	102	1.63	70.0-130	25
Toluene														
	85941-06	13	40.0	40.0	51.8	51.4	ug/L	EPA 8260B	9/17/13	96.0	95.2	0.882	70.0-130	25
Tert-Butanol														
	85941-08	<5.0	202	202	200	200	ug/L	EPA 8260B	9/17/13	99.2	99.0	0.258	70.0-130	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	40.3	ug/L	EPA 8260B	9/17/13	103	70.0-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	9/17/13	102	70.0-130
Benzene	40.0	ug/L	EPA 8260B	9/17/13	100	70.0-130
Diisopropyl ether	39.3	ug/L	EPA 8260B	9/17/13	107	70.0-130
Ethanol	99.3	ug/L	EPA 8260B	9/17/13	139	55.0-150
Ethyl-tert-butyl ether	40.1	ug/L	EPA 8260B	9/17/13	106	70.0-130
Ethylbenzene	40.0	ug/L	EPA 8260B	9/17/13	104	70.0-130
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	9/17/13	106	70.0-130
P + M Xylene	40.0	ug/L	EPA 8260B	9/17/13	104	70.0-130
Tert-Butanol	202	ug/L	EPA 8260B	9/17/13	97.8	70.0-130
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	9/17/13	105	70.0-130
Toluene	40.0	ug/L	EPA 8260B	9/17/13	102	70.0-130
P + M Xylene	40.2	ug/L	EPA 8260B	9/17/13	99.7	70.0-130
1,2-Dibromoethane	40.5	ug/L	EPA 8260B	9/17/13	102	70.0-130
1,2-Dichloroethane	40.2	ug/L	EPA 8260B	9/17/13	98.2	70.0-130
Benzene	40.2	ug/L	EPA 8260B	9/17/13	101	70.0-130
Diisopropyl ether	39.5	ug/L	EPA 8260B	9/17/13	103	70.0-130
Ethanol	99.8	ug/L	EPA 8260B	9/17/13	90.8	55.0-150
Ethyl-tert-butyl ether	40.3	ug/L	EPA 8260B	9/17/13	102	70.0-130
Ethylbenzene	40.2	ug/L	EPA 8260B	9/17/13	104	70.0-130

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
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	9/17/13	98.6	70.0-130
P + M Xylene	40.2	ug/L	EPA 8260B	9/17/13	102	70.0-130
TPH as Gasoline	495	ug/L	EPA 8260B	9/17/13	102	70.0-130
Tert-Butanol	202	ug/L	EPA 8260B	9/17/13	102	70.0-130
Tert-amyl-methyl ether	40.5	ug/L	EPA 8260B	9/17/13	102	70.0-130
Toluene	40.2	ug/L	EPA 8260B	9/17/13	100	70.0-130
TPH as Gasoline	494	ug/L	EPA 8260B	9/17/13	99.5	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	9/17/13	98.5	70.0-130

KIFF ANALYTICAL, LLC

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

85981

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

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

anteagroup

3Q13 GW Event

Required Lab Information:		**Required** Project Information:				**Required** Invoice Information:					
Lab Name:	Kiff Analytical	Site ID #:	255325	Task:	WG_Q_201309	Send Invoice to:	Sandy Hayes				
Address:	2795 Second Street #300	AnteaGrp proj#				Address:	11050 White Rock Road, Suite 110			Turn around time (days)	10
Davis, CA 95618		Site Address	3200 LAKESHORE AVE			City/State	Rancho Cordova CA 95670	Phone #:	916-638-2085	QC level Required: Standard	Special / Mark one
Lab PM:	Scott Forbes	City	OAKLAND	State	CA 94610	Reimbursement project?		Non-reimbursement project?	Y / Mark one	NJ Reduced Deliverable Package?	
Phone/Fax:	P: 530-297-4800 F: 530-297-4808	AG PM Name:	Dennis Dettloff			Send EDD to	AgDataview.us@anteagroup.com			MA MCP Cert?	CT RCP Cert? / Mark One
Lab PM email	SForbes@kiffanalytical.com	Phone/Fax:	P: 916-503-1261 F: 408-225-8506			CC Hardcopy report to				Lab Project ID (lab use)	
Applicable Lab Quote #:		AG PM Email:	dennis.dettloff@anteagroup.com			CC Hardcopy report to				Requested Analyses	

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	OL	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	8260 GC/MS GRO	8260BtexMTBE7OxyCA	Comments/Lab Sample I.D.
1	U-1_20130930	WG	G	9/13/13	13:15	3	N				X					X	X	7 Oxy's = DIPE, TBA, TAME, ETBE, 1-2DCA, EDB, and Ethanol
2	U-2_20130930	WG	G	9/13/13	12:45	3	N				X					X	X	
3	U-3_20130930	WG	G	9/13/13	10:50	3	N				X					X	X	
4	U-4_20130930	WG	G	9/13/13	10:25	3	N				X					X	X	
5	U-5_20130930	WG	G	9/13/13	12:20	3	N				X					X	X	
6	U-6_20130930	WG	G	9/13/13	11:40	3	N				X					X	X	**This site has surfactants**
7																		
8																		
9																		
10																		
11																		
12																		

Additional Comments/Special Instructions:

Global ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Jonathan Fillingame	9/13/13	15:30			
			Kiff Analytical LLC	09/13/13	1530

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

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jonathan Fillingame

SIGNATURE of SAMPLER: Jonathan Fillingame DATE Signed: 9/13/13 Time: 15:30

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

SRG #: 85981

Sample Receipt	Initials/Date: TJB 091313	Storage Time: 1530	Sample Login	Initials/Date: TJD 091613

TAT: ☒ Standard ☐ Rush ☐ Split ☐ None **Method of Receipt**: ☐ Courier ☒ Over-the-counter ☐ Shipped

Temp °C 2.2 ☐ N/A Therm ID JR-3 Time 1527 Coolant present ☒ Yes ☐ No ☐ Water ☐ Temp Excursion

For Shipments Only: Cooler Receipt Initials/Date/Time: Custody Seals ☐ N/A ☐ Intact ☐ Broken

Chain-of-Custody:	Yes	No
Is COC present?	X	
Is COC signed by relinquisher?	X	
Is COC dated by relinquisher?	X	
Is the sampler's name on the COC?	X	
Are there analyses or hold for all samples?	X	

Documented on	COC	Labels	Discrepancies:
Sample ID	X	X	
Project ID	X	X	
Sample Date	X	X	
Sample Time	X	X	
Does COC match project history?	☐ N/A	☐ Yes	☒ No Pb scavs

Samples:	N/A	Yes	No
Are sample custody seals intact?	X		
Are sample containers intact?		X	
Is preservation documented?		X	
In-house Analysis:	**N/A**	**Yes**	**No**
Are preservatives acceptable?		X	
Are samples within holding time?		X	
Are sample container types correct?		X	
Is there adequate sample volume?		X	

Comments:

Receipt Details:

Matrix	Container Type	# of Containers
WA	VOA	18

CS Required: ☒

Proceed With Analysis: ☑ YES ☐ NO Init/Date: SAM 091613

Client Communication:

Is the Data Valid? (circle) Yes / No

Preservation Temperature (if Known): 2.2 °C

Antea Group Lab Validation Sheet

Project/Client: COP/ELT
Project #: I40255325
Date of Validation: 10/9/13 **Date of Analysis:** 9/17/13 **Sample Date:** 9/13/13
Completed By: Jon F. **Signature:** Jonathan F. Bingame
Analytical Lab Used and Report # (if any): Kiff Analytical 85981

	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:

9. Matrix Spike/Matrix Spike Duplicate results associated with samples U-1_20130930, U-2_20130930, U-4_20130930, U-5_20130930, and U-6_20130930 for the analyte TBA were affected by the analyte concentrations already present in the un-spiked sample.
9. 11. Matrix Spike/Matrix Spike Duplicate results associated with samples U-1_20130930, U-2_20130930, U-4_20130930, U-5_20130930, and U-6_20130930 for the analyte Ethanol were outside on control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.