Shari London
Program Manager
Remediation Management

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3900 Kilroy Airport Way, Suite 210
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May 10, 2013

Ms. Dilan Roe
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

RECEIVED
By Alameda County Environmental Health at 10:32 am, May 13, 2013

Re: **Report Submittal**
Semi-Annual Monitoring Report – First Quarter 2013
76 (Former BP) Service Station No. 2611117
7210 Bancroft Avenue
Oakland, California

Dear Ms. Roe,

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 contact Ms. Nicole Persaud with Antea Group at (407) 758-3428.

Sincerely,

Shari London
Program Manager, Phillips 66
Remediation Management

Enc: Antea Group, *Semi-Annual Monitoring Report – First Quarter 2013*

Semi-Annual Monitoring Report, First Quarter 2013

76 (Former BP) Service Station No. 11117
7210 Bancroft Avenue
Oakland, California USA

Alameda County Environmental Health,
Case No. RO0000356

Antea Group Project No. I42611117
May 10, 2013

Prepared for:
Dilan Roe
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Prepared by:
Antea®Group
1155 North 1st Street, Suite 201
San Jose, CA 95112
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Table of Contents

Figures

Tables

Appendices

Semi-Annual Monitoring Report
First Quarter 2013

76 (Former BP) Service Station No. 11117
7210 Bancroft Avenue, CA USA
Alameda County Environmental Health
Case No. RO0000356

1.0 INTRODUCTION

Antea®Group completed this *Semi-Annual Monitoring Report, First Quarter 2013*, for 76 (Former BP) Service Station No. 11117 in Oakland, California (**Figure 1**). This report summarizes the data obtained from the most recent groundwater monitoring event completed February 5, 2013. Please refer to **Figure 2** for the site layout. **Appendix A** contains additional site information and a history of previous environmental investigations and remediation activities.

1.1 Work Performed in the Fourth Quarter 2012 and First Quarter 2013

1. Antea Group submitted the *Semi-Annual Monitoring Report – Third Quarter 2012* to the Alameda County Environmental Health (ACEH) on November 15, 2012.
2. Subcontractor Blaine Tech Services, Inc. (Blaine Tech) conducted the first quarter 2013 groundwater monitoring event on February 5, 2013.

1.2 Work Proposed for the Second and Third Quarters 2013

1. Antea Group submitted the *Pilot Test Update and Additional Assessment Work Plan* dated April 29, 2013.
2. Antea Group will submit the *Semi-Annual Monitoring Report, First Quarter 2013* (contained herein) to ACEH by May 15, 2013.
3. Blaine Tech will conduct the semi-annual groundwater monitoring and sampling event scheduled for the third quarter 2013.

2.0 CURRENT PROJECT STATUS

Current phase of project:	Semi-Annual Groundwater Monitoring
Monitoring well gauging schedule:	Semi-Annually (1Q, 3Q): MW-1, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, EX-1, and EX-2
Monitoring well sampling schedule:	Semi-Annually (1Q, 3Q): MW-4, MW-7, MW-9, MW-10, MW-11, EX-1, and EX-2 Annually (1Q): MW-1, MW-3, MW-6, and MW-8
Wells with historical measurable LNAPL (light non-aqueous phase liquid):	Yes, sporadic trace amounts in wells EX-2 and MW-4, and greater amounts in MW-2 between 1993 and 1998 (maximum of 4.25 feet was reported in well MW-2 on 1/25/1995).

Generalized site geology:	Surface to ~3' bgs: Gravel Fill ~3 to 30' bgs: silt and silty sand ~30 to 45' bgs: clay
Local receptors:	As many as 10 wells within one mile of the site, plus several sensitive receptors within 0.5 miles of the site. According to the October 2010 *Sensitive Receptor Survey* by Delta Consultants, no receptors likely to have been impacted by release from the site (see **Appendix A**)
Current remediation technique	Pilot Testing of Regenesis Plume Stop™

2.1 Regulatory Correspondence

No correspondence was sent or received by Antea Group during the fourth quarter 2012 and first quarter 2013.

2.2 Remediation Activities

No remedial activities took place during the fourth quarter 2012 or first quarter 2013.

Antea Group prepared and submitted the *Pilot Test Update and Additional Assessment Work Plan*, which includes updates on the PlumeStop™ pilot test conducted in March 2012. Additionally, the work plan presents Antea Group's proposed strategy to obtain a more accurate understanding of subsurface conditions to evaluate continuation of remediation efforts.

2.3 Groundwater Monitoring

During the first quarter 2013 groundwater monitoring event, Blaine Tech gauged, purged and sampled 11 wells per their standard sampling protocol. **Table 1** contains soil boring and well construction details. **Appendix B** includes copies of Blaine Tech's field data sheets, and the table below summarizes the recent gauging and sampling event.

Well gauging and sampling date:	February 5, 2013
Wells gauged:	MW-1, MW-3, MW-4, MW-6 through MW-11, EX-1, EX-2
Wells sampled:	MW-1, MW-3, MW-4, MW-6 through MW-11, EX-1, EX-2
Purge method:	3 well casing volumes via electric, submersible pump, purged through a flow cell
Sample collection method:	Disposable bailers
Groundwater parameters measured (**Appendix B**):	Temperature, pH, Conductivity, Oxidation-reduction potential (ORP), Turbidity, Dissolved Oxygen (DO)
Wells with measurable LNAPL:	None

2.3.1 Groundwater Flow Gradient and Directional Trends

Currently, eleven site wells are gauged on a semi-annual basis. In the current quarter, groundwater flow direction and gradient were variable, with a general northeast flow at an approximate gradient of 0.004 feet per foot (**Figure 3**). Historically, groundwater flow has been directed predominantly to the northeast at an average gradient of 0.015 feet per foot. A rose diagram displaying historical groundwater flow directions is included on **Figure 3**.

2.3.2 Groundwater Quality Data

Blaine Tech submitted the groundwater samples collected during the first quarter 2013 under chain-of-custody protocol to KIFF Analytical LLC. (KIFF), a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory (Certification No. 08263CA). The complete analytical reports are included in **Appendix C**. The chain of custody requested the laboratory analyze the groundwater samples for the following contaminants of concern:

- Gasoline Range Organics (GRO; referred to as total petroleum hydrocarbons as gasoline (TPH-gas) by Kiff) by Environmental Protection Agency (EPA) Method 8260B;
- Benzene, toluene, ethylbenzene, total xylenes (BTEX compounds) by EPA Method 8260B;
- Methyl tert-butyl ether (MTBE), ethyl tert-butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary-amyl methyl ether (TAME), tertiary butyl alcohol (TBA), ethanol, 1,2-dichloroethane (1,2-DCA) and 1,2-dibromoethane (EDB) by EPA Method 8260B.

Groundwater analytical results are presented in **Table 2** (current), and **Tables 3 and 3a** (historical). The following table presents the ranges of contaminant concentrations reported above the laboratory's respective minimum reporting limits in groundwater samples collected during the first quarter sampling event:

Constituents	Number of Samples Where Constituent was Reported Above LRL of the Total Samples Collected	Minimum Reported Concentration, in µg/L (Sample ID)	Maximum Reported Concentration, in µg/L (Sample ID)
GRO	3 of 11	870 (MW-11)	63,000 (MW-4)
Benzene	2 of 11	1,900 (EX-1)	2,200 (MW-4)
Toluene	2 of 11	170 (EX-1)	280 (MW-4)
Ethylbenzene	3 of 11	8.5 (MW-11)	2,600 (MW-4)
Total Xylenes	3 of 11	8.4 (MW-11)	7,600 (MW-4)
MTBE	4 of 11	3.1 (MW-10)	500 (EX-1)
TBA	2 of 11	1,100 (MW-11)	3,000 (MW-4)
ETBE	1 of 11	ND	3.1 (EX-1)
TAME	1 of 11	ND	19 (EX-1)

Explanations:
µg/L = Micrograms per liter ND = No Detection above LRL LRL = Laboratory reporting limit

2.3.3 Groundwater Contaminant Trends

Levels of GRO, BTEX compounds, MTBE and TBA continue to be reported above the San Francisco Bay Regional Water Quality Control Board's (SFBRWQCB) Environmental Screening Level (ESLs) in several of the site's monitoring wells. **Appendix D** includes concentration versus time graphs for GRO, benzene, MTBE, and TBA in selected wells.

- No analytes were reported above LRLs in wells EX-2, MW-1, MW-3, MW-6, MW-8, or MW-9.
- The submerged screen in well MW-4 may be affecting petroleum hydrocarbon concentrations, yielding groundwater samples that are not representative of present conditions. Sheen periodically noted in MW-4 suggests potential secondary source material may be present outside the unscreened portion of the well. The proposed scope of work in the *Pilot Test Update and Additional Assessment Work Plan* will address this concern.
- Concentrations of MTBE reported in well MW-10 and GRO, MTBE, and TBA in well MW-11 have decreased since the previous quarter. Benzene and MTBE are not currently reported above the LRL in MW-11.
- With the exception of MW-4, GRO, benzene, MTBE and TBA concentration trends show relatively steady or decreasing concentrations. Recent apparent concentration increases remain within a historical range of concentrations.

Dissolved GRO, benzene, and TBA plumes continue to be limited to the southeastern portion of the site. The dissolved MTBE plume continues to extend from the southeast portion of the site north to wells MW-7 and MW-10. **Figures 4 through 7** depict dissolved-phase isoconcentration maps reported during the first quarter 2013.

2.3.4 Waste Disposal Summary

Approximately 200 gallons of wastewater were generated during well purging, well sampling, and equipment cleaning conducted during the first quarter 2013 event. The wastewater was transported to Seaport Environmental in Redwood City, California for disposal. The first quarter 2013 waste manifest is not yet available and will be submitted with the next monitoring report. **Appendix E** includes copies of non-hazardous waste manifests generated during the August and September 2012 groundwater sampling events, which were previously unavailable.

2.3.5 Quality Assurance / Quality Control

Antea Group's QA/QC measures included use of a trip blank and a detailed QA/QC data validation check on the KIFF analytical results for the February 2013 sampling event. **Appendix C** includes Antea Group's laboratory data validation checklist and laboratory reports.

Trip Blank (TB1_20130228):	No contaminants reported
MW-11 Field Duplicate (FD1_20130228):	RPD = 2.27% (GRO); 13.1% (toluene); 16.2% (ethylbenzene); 26.8% (total xylenes)
Laboratory QA/QC Performed:	Yes (validated by Antea Group)
Laboratory Data Qualifiers:	Yes – description below
Are the data valid for their intended purpose?	Yes, the data are valid

KIFF reported that the Method Reporting Limit for Ethanol has been increased due to the presence of an interfering compound for sample MW-11_20130228. In addition, variation between the field duplicate sample and

parent sample collected from MW-11 is within the acceptable margin of error of 30% for all detected analytes, thus confirming the validity of the lab data.

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 CONCLUSIONS AND RECOMMENDATIONS

The dissolved phase groundwater contaminant plume remains centered along the southeastern property boundary with maximum contaminant concentrations of GRO, BTEX, MTBE, and TBA reported above the ESLs in wells EX-1 and MW-4.

Antea Group believes that analyte concentrations in MW-4 may be influenced by the well's submerged screen and therefore groundwater samples may not be representative of conditions at the well. On April 29, 2013, Antea Group submitted the *Pilot Test Evaluation and Additional Assessment Work Plan* to provide an update on the PlumeStop™ pilot test and to propose the replacement of MW-4 and additional investigative activities. Pending regulatory approval, Antea Group will initiate field activities as outlined in the Work Plan.

4.0 REMARKS

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

Prepared by:

Nadine Periat
Project Professional
Antea Group

Nicole Persaud
Project Manager
Antea Group

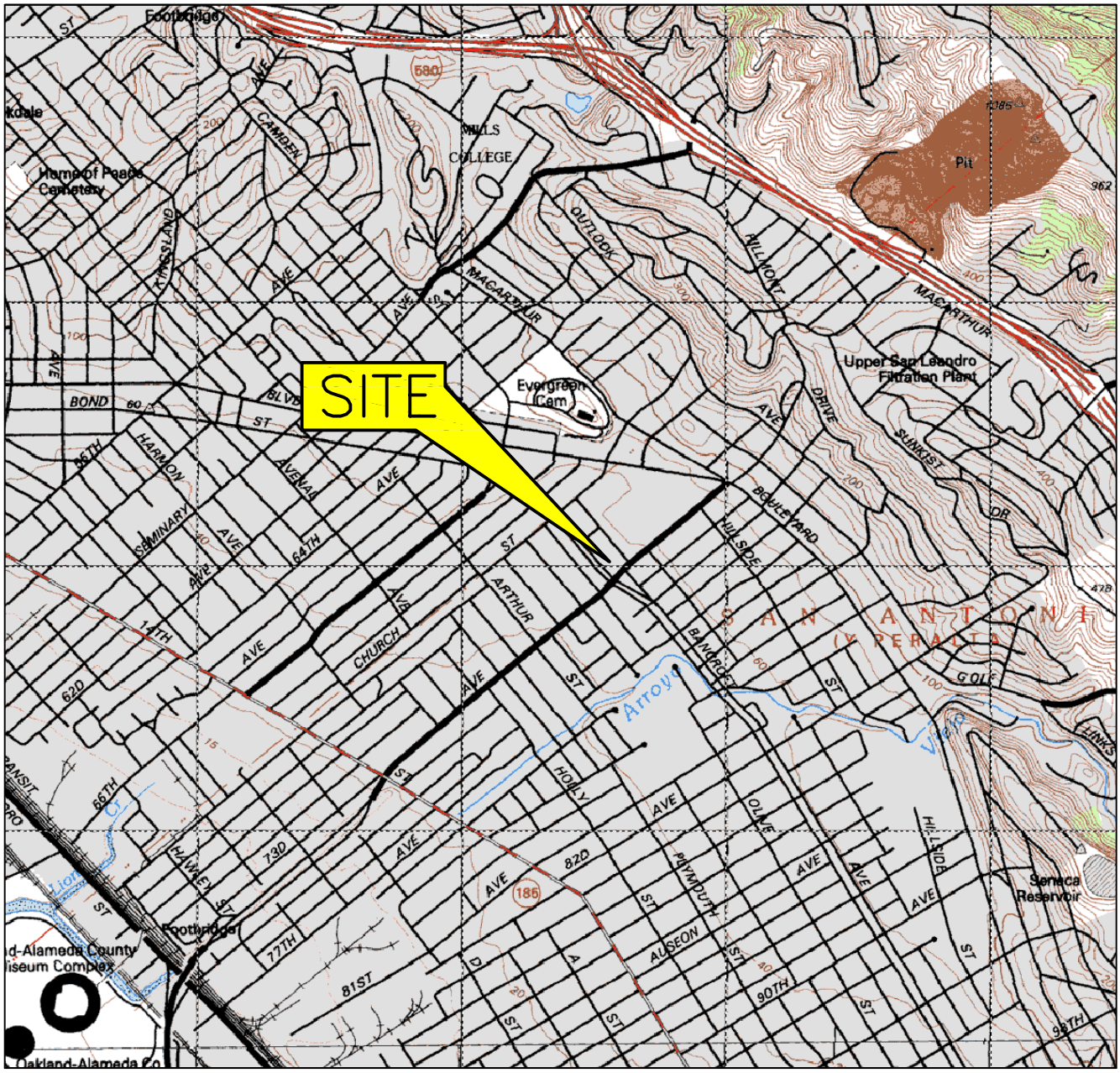
Information, conclusions, and recommendations provided by Antea Group in this document regarding the site have been prepared under the supervision of and reviewed by the licensed professional whose signature follows.

Licensed Approver:

Regina Bussard, PG
Project Professional
California Registered Professional Geologist No. 8288
Antea Group

cc: Ms. Tiffany McClendon, One Eastmont Town Center, 7200 Bancroft Avenue, Oakland, CA 94605
GeoTracker (upload)

Figures



QUADRANGLE LOCATION

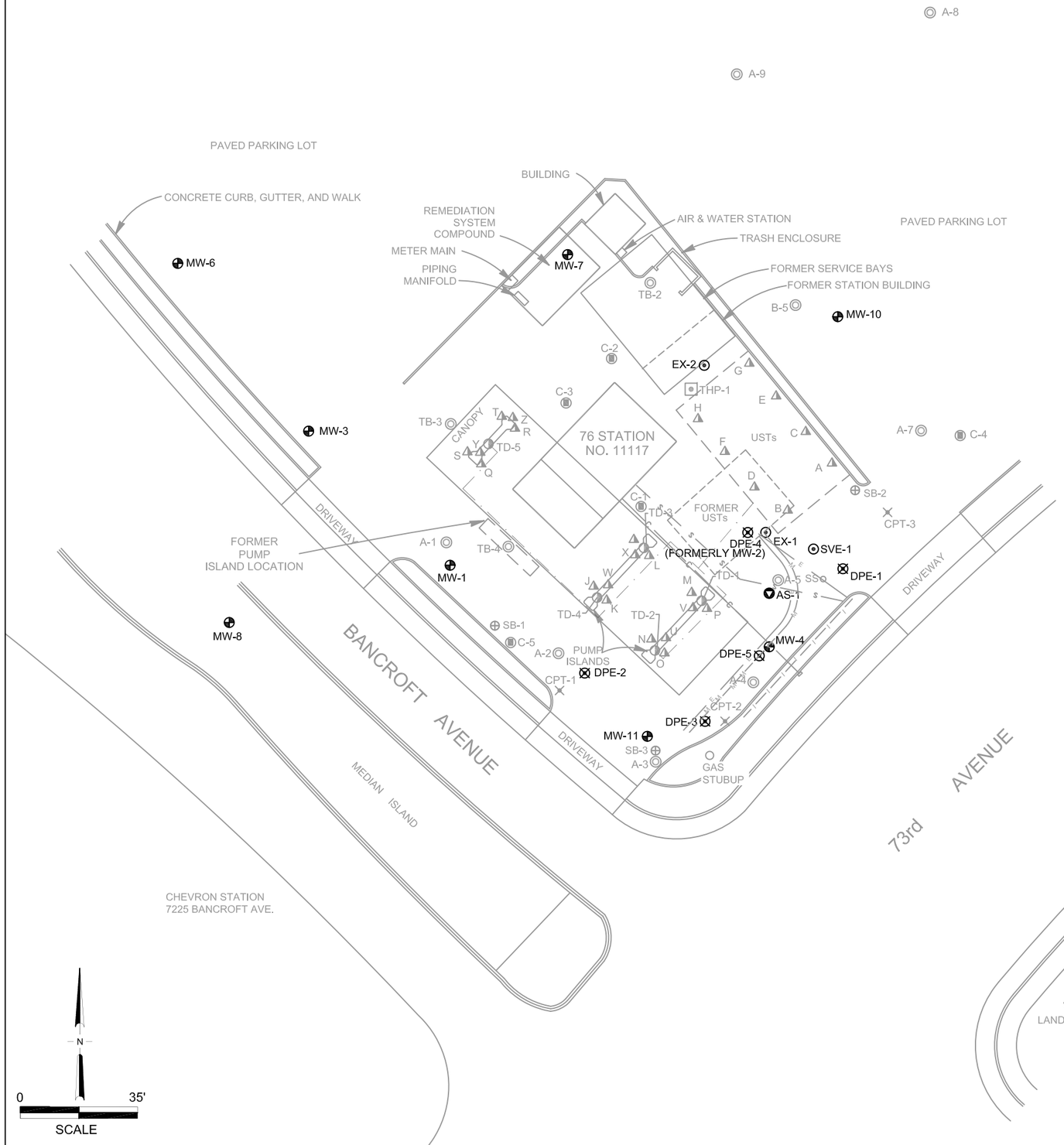
GENERAL NOTES:
BASE MAP FROM USGS, 7.5 MINUTE
TOPOGRAPHIC OAKLAND, CA. PHOTO REVISED 1980

FIGURE 1
SITE LOCATION MAP

76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142611117	DK	JH
DATE	REVIEWED BY	FILE NAME
03/30/11	DU	11117-TOPO

anteagroup



EXPLANATION

MW-7	GROUNDWATER MONITORING WELL LOCATION
EX-1	SOIL VAPOR EXTRACTION WELL LOCATION
DPE-2	GROUNDWATER EXTRACTION WELL LOCATION
AS-1	AIR SPARGE WELL LOCATION
	SEWER CLEANOUT LOCATION
SB-2	FUTURE USE STUB-OUT LOCATION
C-1	SOIL BORING LOCATION (ANTEA GROUP, 2011)
A-1/TB-2	SOIL BORING LOCATION A BORINGS (URS, NOVEMBER 2005) B BORING (HEDI, 1992) T BORINGS (EMCON, 1994)
TD-1	DISPENSER GRAB SAMPLE LOCATION (EMCON, SEPTEMBER 1994)
THP-1	HYDROPUNCH BORING LOCATION (EMCON, SEPTEMBER 1994)
A	SOIL SAMPLES COLLECTED DURING ERI UST, PRODUCT LINE, AND DISPENSER REMOVAL (NOVEMBER, 1998)
CPT-1	CONE PENETROMETER TEST BORINGS BROADBENT & ASSOCIATES, INC. (JUNE, 2007)
	PRODUCT LINES

FIGURE 2
SITE PLAN

76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
I42611117	SM	KYM
DATE	REVIEWED BY	FILE NAME
6/28/12	DU	11117-SMs

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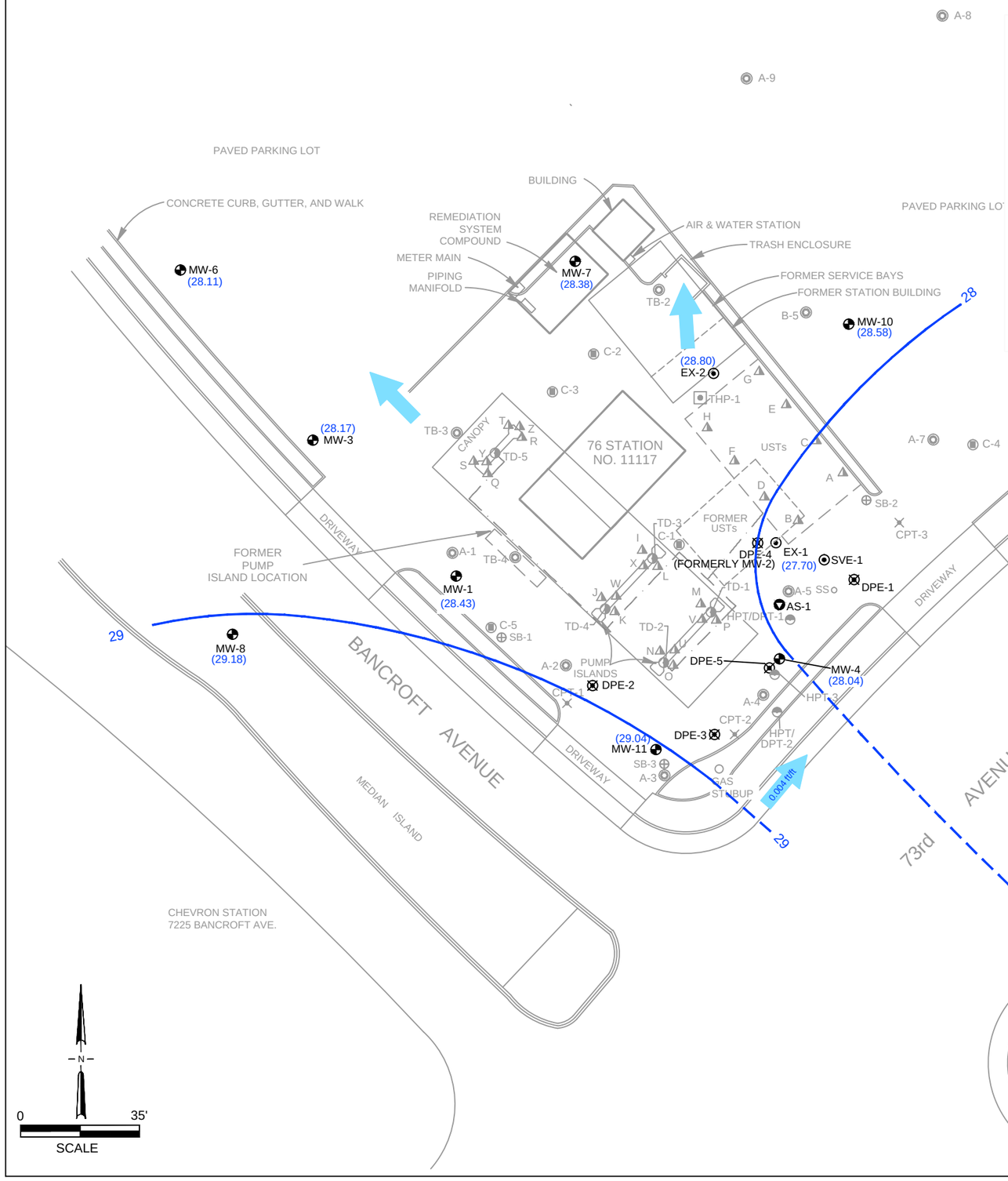

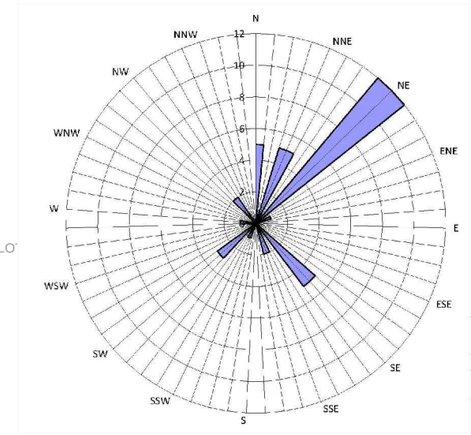

EXPLANATION

- MW-7 — GROUNDWATER MONITORING WELL LOCATION
- EX-1 — SOIL VAPOR EXTRACTION WELL LOCATION
- DPE-2 — GROUNDWATER EXTRACTION WELL LOCATION
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  - B BORING (HEDI, 1992)
  - T BORINGS (EMCON, 1994)
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- THP-1 — HYDROPUNCH BORING LOCATION (EMCON, SEPTEMBER 1994)
- A — SOIL SAMPLES COLLECTED DURING ERI UST, PRODUCT LINE, AND DISPENSER REMOVAL (NOVEMBER, 1998)
- CPT-1 — CONE PENETROMETER TEST BORINGS BROADBENT & ASSOCIATES, INC. (JUNE, 2007)
- PRODUCT LINES
- (27.70) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (ft/msl)
- 28.00 — GROUNDWATER CONTOUR LINE (µg/L) DASHED WHERE INFERRED (CONTOUR INTERVAL: 1.00 ft.)
- 0.004 ft/ft — APPROXIMATE GROUNDWATER FLOW DIRECTION WITH HYDRAULIC GRADIENT

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
FEBRUARY 5, 2013
76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

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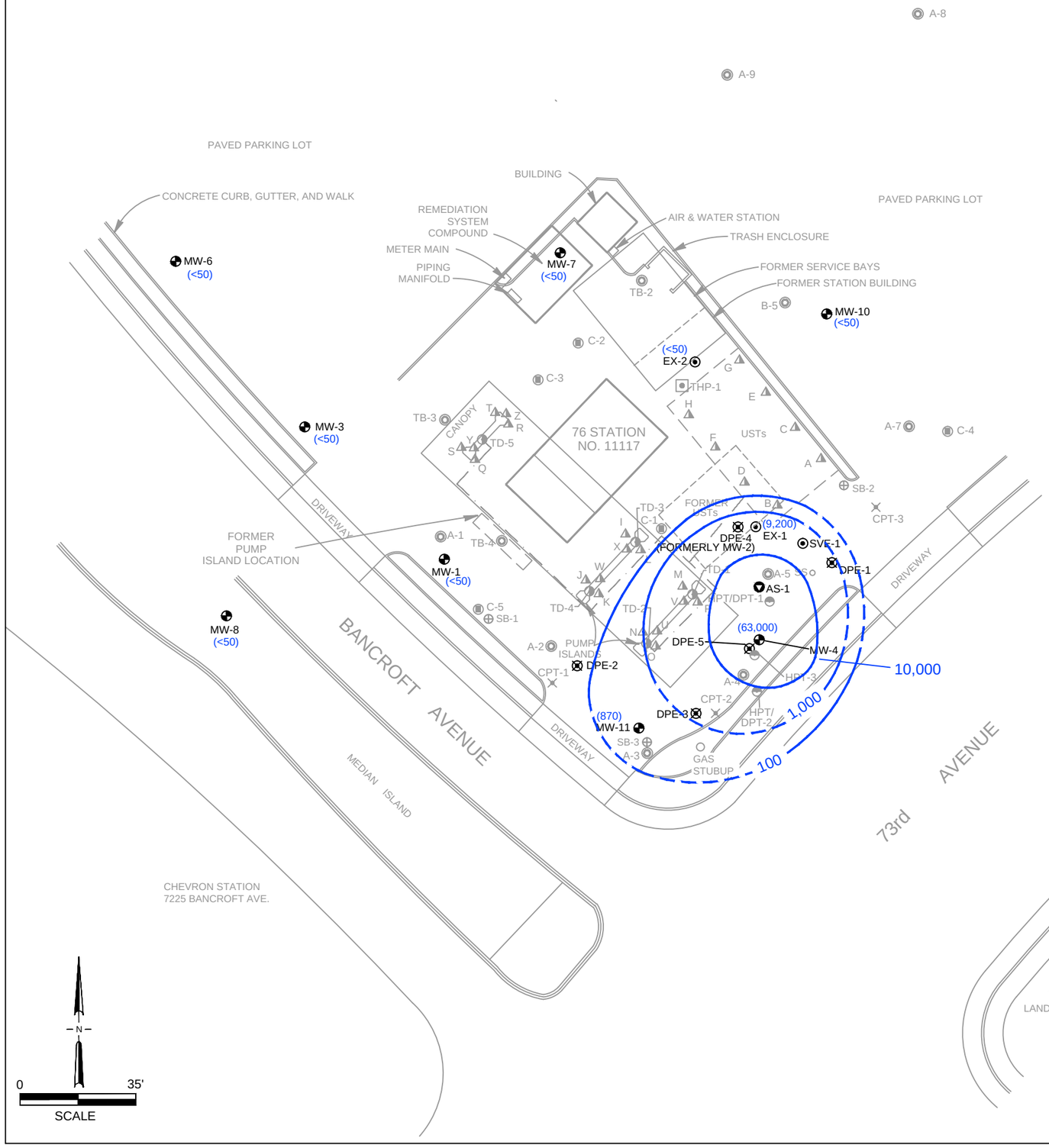
I42611117	NP	JH
DATE	REVIEWED BY	FILE NAME
3/11/13	RB	11117-SMS

antea group



EXPLANATION

MW-7	GROUNDWATER MONITORING WELL LOCATION
EX-1	SOIL VAPOR EXTRACTION WELL LOCATION
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THP-1	HYDROPUNCH BORING LOCATION (EMCON, SEPTEMBER 1994)
A	SOIL SAMPLES COLLECTED DURING ERI UST, PRODUCT LINE, AND DISPENSER REMOVAL (NOVEMBER, 1998)
CPT-1	CONE PENETROMETER TEST BORINGS BROADBENT & ASSOCIATES, INC. (JUNE, 2007)
	PRODUCT LINES
GRO	GASOLINE RANGE ORGANICS
µg/L	MICROGRAMS PER LITER
1000	DISSOLVED PHASE GRO CONCENTRATION CONTOUR (µg/L); DASHED WHERE INFERRED
(9,200)	DISSOLVED PHASE GRO CONCENTRATION (µg/L)
<50	CONSTITUENT NOT DETECTED ABOVE INDICATED REPORTING LIMIT
NS	NOT SAMPLED

FIGURE 4
DISSOLVED PHASE GRO ISOCONCENTRATION MAP
FEBRUARY 5, 2013
76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
I42611117	NP	JH
DATE	REVIEWED BY	FILE NAME
3/11/13	RB	11117-SMS

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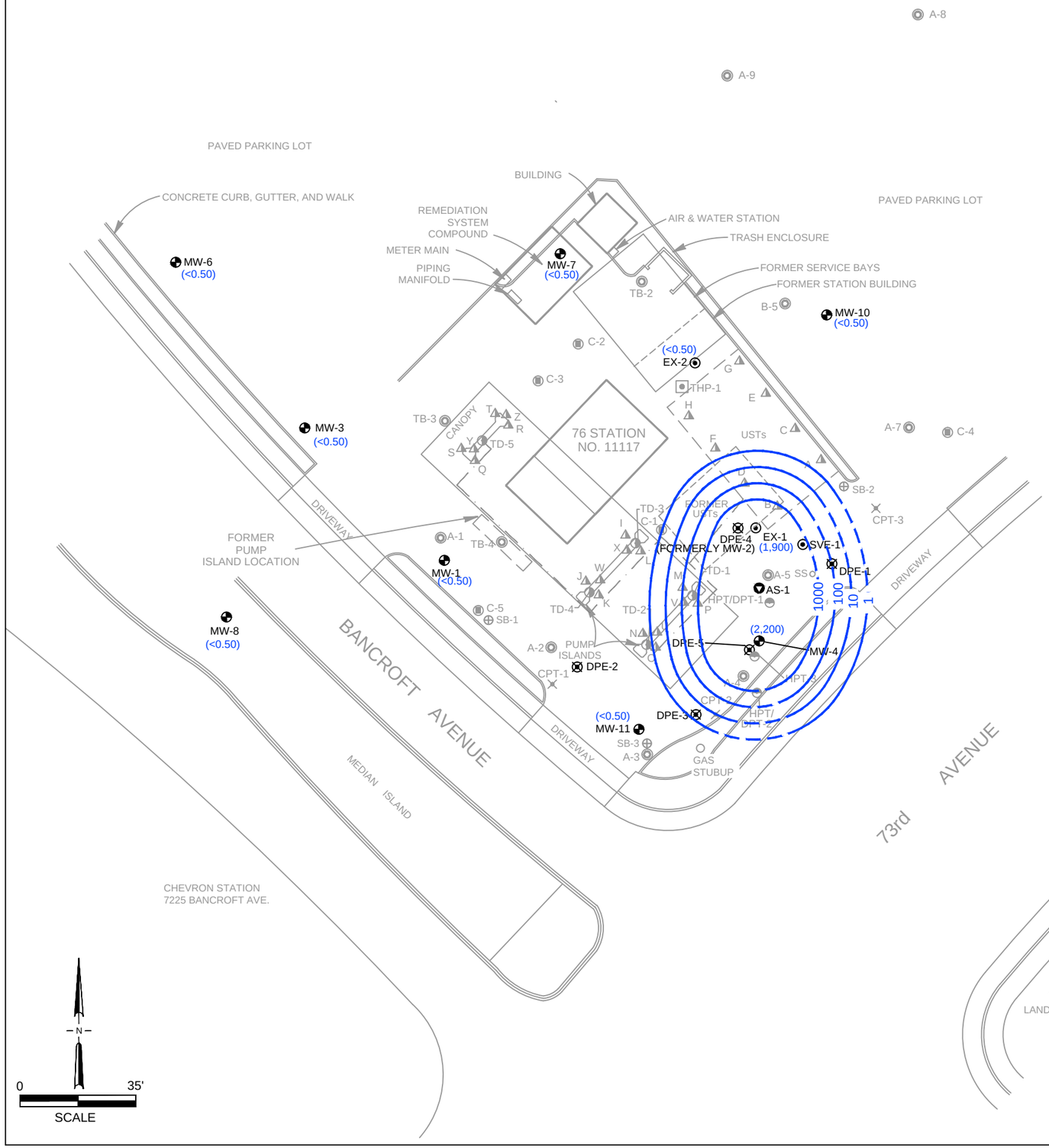

EXPLANATION

- MW-7 — GROUNDWATER MONITORING WELL LOCATION
- EX-1 — SOIL VAPOR EXTRACTION WELL LOCATION
- DPE-2 — GROUNDWATER EXTRACTION WELL LOCATION
- AS-1 — AIR SPARGE WELL LOCATION
- HPT-3 — HPT BORING LOCATION
- SB-2 — FUTURE USE STUB-OUT LOCATION
- SEWER CLEANOUT LOCATION
- C-1 — SOIL BORING LOCATION (ANTEA GROUP, 2011)
- A-1/TB-2 — SOIL BORING LOCATION
  - A BORINGS (URS, NOVEMBER 2005)
  - B BORING (HEDI, 1992)
  - T BORINGS (EMCON, 1994)
- TD-1 — DISPENSER GRAB SAMPLE LOCATION (EMCON, SEPTEMBER 1994)
- THP-1 — HYDROPUNCH BORING LOCATION (EMCON, SEPTEMBER 1994)
- A — SOIL SAMPLES COLLECTED DURING ERI UST, PRODUCT LINE, AND DISPENSER REMOVAL (NOVEMBER, 1998)
- CPT-1 — CONE PENETROMETER TEST BORINGS BROADBENT & ASSOCIATES, INC. (JUNE, 2007)
- PRODUCT LINES
- µg/L — MICROGRAMS PER LITER
- 100 — DISSOLVED PHASE BENZENE CONCENTRATION CONTOUR (µg/L); DASHED WHERE INFERRED
- (1,900) — DISSOLVED PHASE BENZENE CONCENTRATION (µg/L)
- <0.50 — CONSTITUENT NOT DETECTED ABOVE INDICATED REPORTING LIMIT

FIGURE 5
DISSOLVED PHASE BENZENE ISOCONCENTRATION MAP - FEBRUARY 5, 2013
76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

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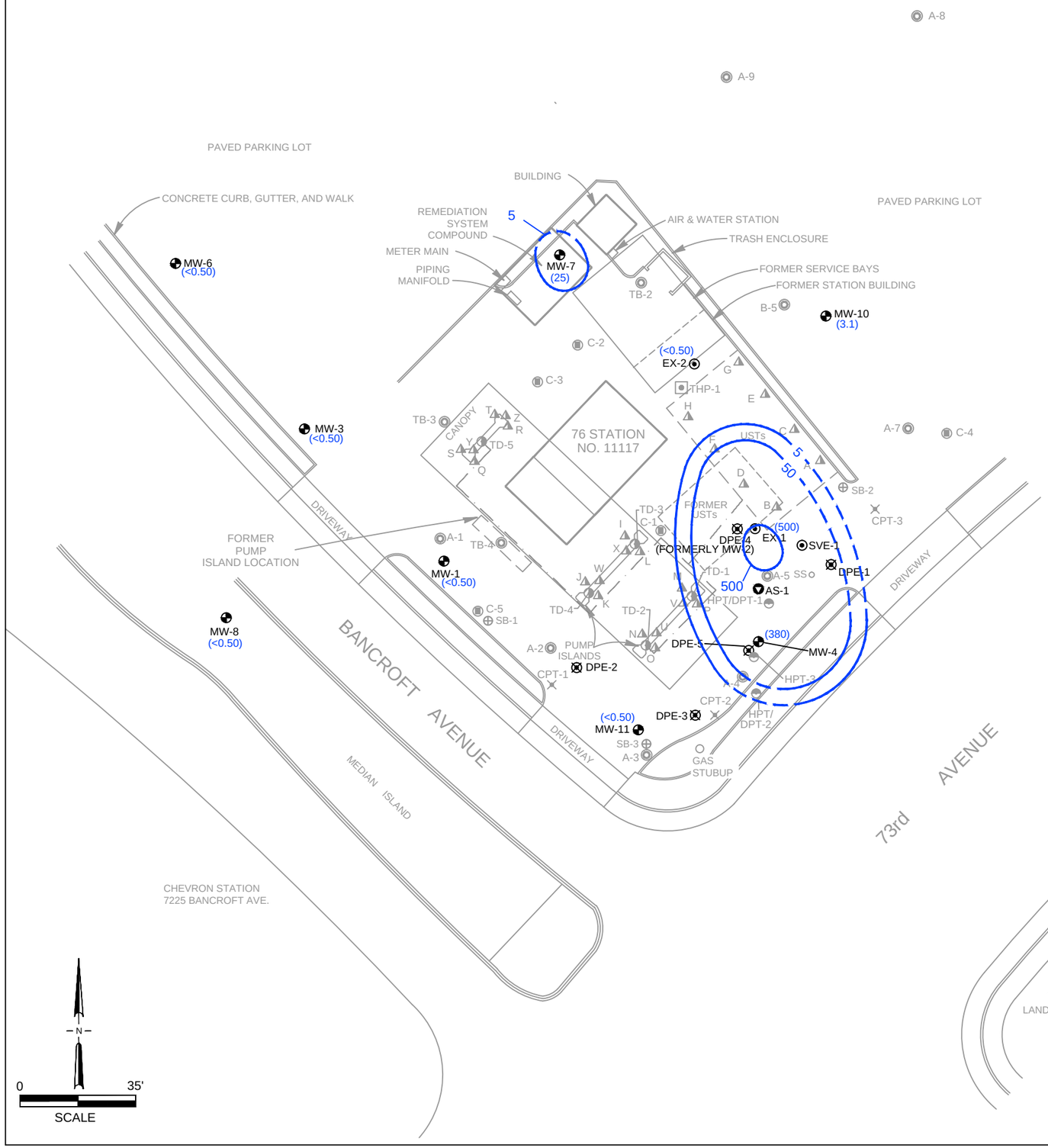
I42611117	NP	JH
DATE	**REVIEWED BY**	**FILE NAME**
3/11/13	RB	11117-SMS

antea group



EXPLANATION

MW-7	GROUNDWATER MONITORING WELL LOCATION
EX-1	SOIL VAPOR EXTRACTION WELL LOCATION
DPE-2	GROUNDWATER EXTRACTION WELL LOCATION
AS-1	AIR SPARGE WELL LOCATION
HPT-3	HPT BORING LOCATION
SB-2	FUTURE USE STUB-OUT LOCATION
	SEWER CLEANOUT LOCATION
C-1	SOIL BORING LOCATION (ANTEA GROUP, 2011)
A-1/TB-2	SOIL BORING LOCATION A BORINGS (URS, NOVEMBER 2005) B BORING (HEDI, 1992) T BORINGS (EMCON, 1994)
TD-1	DISPENSER GRAB SAMPLE LOCATION (EMCON, SEPTEMBER 1994)
THP-1	HYDROPUNCH BORING LOCATION (EMCON, SEPTEMBER 1994)
A	SOIL SAMPLES COLLECTED DURING ERI UST, PRODUCT LINE, AND DISPENSER REMOVAL (NOVEMBER, 1998)
CPT-1	CONE PENETROMETER TEST BORINGS BROADBENT & ASSOCIATES, INC. (JUNE, 2007)
	PRODUCT LINES
MTBE	METHYL TERTIARY-BUTYL ETHER
µg/L	MICROGRAMS PER LITER
50	DISSOLVED-PHASE MTBE CONCENTRATION CONTOUR (µg/L); DASHED WHERE INFERRED
(300)	DISSOLVED-PHASE MTBE CONCENTRATION (µg/L)
<0.50	CONSTITUENT NOT DETECTED ABOVE INDICATED REPORTING LIMIT

FIGURE 6
DISSOLVED-PHASE MTBE ISOCONCENTRATION MAP - FEBRUARY 5, 2013
76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
I42611117	NP	JH
DATE	REVIEWED BY	FILE NAME
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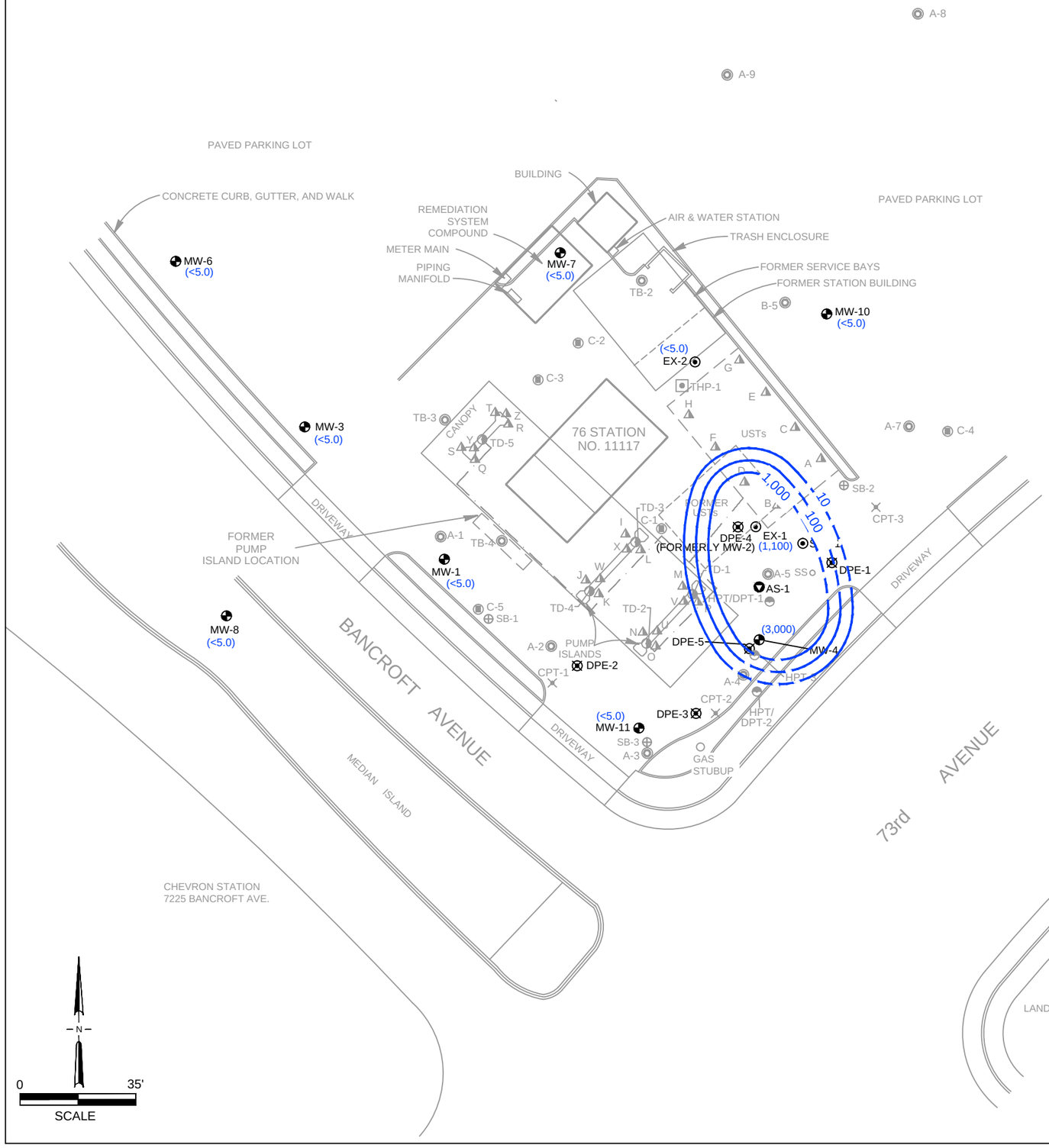

EXPLANATION

MW-7	GROUNDWATER MONITORING WELL LOCATION
EX-1	SOIL VAPOR EXTRACTION WELL LOCATION
DPE-2	GROUNDWATER EXTRACTION WELL LOCATION
AS-1	AIR SPARGE WELL LOCATION
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A	SOIL SAMPLES COLLECTED DURING ERI UST, PRODUCT LINE, AND DISPENSER REMOVAL (NOVEMBER, 1998)
CPT-1	CONE PENETROMETER TEST BORINGS BROADBENT & ASSOCIATES, INC. (JUNE, 2007)
	PRODUCT LINES
TBA	TERTIARY BUTYL ALCOHOL
µg/L	MICROGRAMS PER LITER
100	DISSOLVED PHASE TBA CONCENTRATION CONTOUR (µg/L); DASHED WHERE INFERRED
(11,000)	DISSOLVED PHASE TBA CONCENTRATION (µg/L)
<5.0	CONSTITUENT NOT DETECTED ABOVE INDICATED REPORTING LIMIT

FIGURE 7
DISSOLVED PHASE TBA ISOCONCENTRATION MAP
FEBRUARY 5, 2013
76 (FORMER BP) STATION NO 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY	
I42611117	NP	JH	antea group
DATE	REVIEWED BY	FILE NAME	
3/11/13	RB	11117-SMS	

Tables

TABLE 1
SOIL BORING AND MONITORING WELL CONSTRUCTION DETAILS
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

Boring/Well ID	Well/Boring Completion Date	TOC Elevation[1] (ft)	Borehole Depth (ft bgs)	Borehole Diameter (in)	Well Depth (ft)	Well Casing Diameter (in)	Well Casing Material	Well Screen Slot Size (in)	Well Screen Interval (ft bgs)	Cement Grout Seal Interval (ft bgs)	Bentonite Seal Interval (ft bgs)	Filter Pack Interval (ft bgs)	Comments
Soil Borings													
B-5	Jul-92	NA	50.0	8.0	NA	NA	NA	NA	NA to NA	0.0 to 50.0	NA to NA	NA to NA	
THP-1	Sep-94	NA	45.0	1.75	NA	NA	NA	NA	NA to NA	0.0 to 45.0	NA to NA	NA to NA	
TB-2	Sep-94	NA	45.0	1.75	NA	NA	NA	NA	NA to NA	0.0 to 45.0	NA to NA	NA to NA	
TB-3	Sep-94	NA	45.0	1.75	NA	NA	NA	NA	NA to NA	0.0 to 45.0	NA to NA	NA to NA	
TB-4	Sep-94	NA	45.0	1.75	NA	NA	NA	NA	NA to NA	0.0 to 45.0	NA to NA	NA to NA	
A-1	Sep-05	NA	46.5	4.25	NA	NA	NA	NA	NA to NA	0.0 to 46.5	NA to NA	NA to NA	
A-2	Sep-05	NA	42.0	2.0	NA	NA	NA	NA	NA to NA	0.0 to 42.0	NA to NA	NA to NA	
A-3	Nov-05	NA	36.0	2.0	NA	NA	NA	NA	NA to NA	0.0 to 36.0	NA to NA	NA to NA	
A-4	Nov-05	NA	36.0	2.0	NA	NA	NA	NA	NA to NA	0.0 to 36.0	NA to NA	NA to NA	
A-5	Nov-05	NA	36.0	2.0	NA	NA	NA	NA	NA to NA	0.0 to 36.0	NA to NA	NA to NA	
A-7	Nov-05	NA	36.5	4.25	NA	NA	NA	NA	NA to NA	0.0 to 36.5	NA to NA	NA to NA	
A-8	Nov-05	NA	36.5	4.25	NA	NA	NA	NA	NA to NA	0.0 to 36.5	NA to NA	NA to NA	
A-9	Nov-05	NA	36.5	4.25	NA	NA	NA	NA	NA to NA	0.0 to 36.5	NA to NA	NA to NA	
A-10	Nov-05	NA	39.0	4.25	NA	NA	NA	NA	NA to NA	0.0 to 39.0	NA to NA	NA to NA	
CPT-1	Apr-07	NA	60.0	1.75	NA	NA	NA	NA	NA to NA	0.0 to 60.0	NA to NA	NA to NA	
CPT-2	Apr-07	NA	60.0	1.75	NA	NA	NA	NA	NA to NA	0.0 to 60.0	NA to NA	NA to NA	
CPT-3	Apr-07	NA	60.0	1.75	NA	NA	NA	NA	NA to NA	0.0 to 60.0	NA to NA	NA to NA	
C-1	Oct-11	NA	35.0	3.25	NA	NA	NA	NA	NA to NA	0.0 to 35.0	NA to NA	NA to NA	
C-2	Oct-11	NA	35.0	3.25	NA	NA	NA	NA	NA to NA	0.0 to 35.0	NA to NA	NA to NA	
C-3	Oct-11	NA	35.0	3.25	NA	NA	NA	NA	NA to NA	0.0 to 35.0	NA to NA	NA to NA	
C-4	Oct-11	NA	35.0	3.25	NA	NA	NA	NA	NA to NA	0.0 to 35.0	NA to NA	NA to NA	
C-5	Oct-11	NA	35.0	3.25	NA	NA	NA	NA	NA to NA	0.0 to 35.0	NA to NA	NA to NA	
CC-1	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-2	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-3	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-4	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-5	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-6	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-7	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-8	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
CC-9	Mar-12	NA	41.0	2.25	NA	NA	NA	NA	NA to NA	0.0 to 41.0	NA to NA	NA to NA	
Groundwater Monitoring Wells													
MW-1	Dec-91	43.14	40	8	40	2	PVC	0.02	20.0 to 40.0	0.0 to 17.0	17.0 to 18.0	18.0 to 40.0	
MW-2	Dec-91	51.07	40	8	40	2	PVC	0.02	20.0 to 40.0	0.0 to 17.0	17.0 to 18.0	18.0 to 40.0	Well destroyed November 17, 2007
MW-3	Dec-89	43.27	45	8	45	2	PVC	0.02	30.0 to 45.0	0.0 to 3.0	3.0 to 25.0	25.0 to 45.0	
MW-4	Jul-92	43.64	40	8	40	2	PVC	0.02	20.0 to 40.0	0.0 to 17.0	17.0 to 18.0	18.0 to 40.0	
MW-6	Jul-92	43.64	40	8	40	2	PVC	0.02	20.0 to 40.0	0.0 to 17.0	17.0 to 18.0	18.0 to 40.0	
MW-7	Oct-94	44.21	45	8	45	2	PVC	0.02	25.0 to 45.0	0.0 to 21.0	21.0 to 23.0	23.0 to 45.0	
MW-8	Oct-94	44.18	40	8	40	2	PVC	0.02	25.0 to 40.0	0.0 to 21.0	21.0 to 23.0	23.0 to 40.0	
MW-9	Oct-94	44.35	40	8	40	2	PVC	0.02	25.0 to 40.0	0.0 to 21.0	21.0 to 23.0	23.0 to 40.0	
MW-10	Jul-97	46.17	37.5	8	35	2	PVC	0.02	15.0 to 35.0	0.0 to 13.0	13.0 to 14.0	14.0 to 37.5	
MW-11	Nov-07	43.34	40	10	40	4	PVC	0.02	15.0 to 40.0	0.0 to 10.0	10.0 to 13.0	13.0 to 40.0	Graphic log indicates TD = 35 ft bgs

TABLE 1
SOIL BORING AND MONITORING WELL CONSTRUCTION DETAILS
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

Boring/Well ID	Well/Boring Completion Date	TOC Elevation[1] (ft)	Borehole Depth (ft bgs)	Borehole Diameter (in)	Well Depth (ft)	Well Casing Diameter (in)	Well Casing Material	Well Screen Slot Size (in)	Well Screen Interval (ft bgs)	Cement Grout Seal Interval (ft bgs)	Bentonite Seal Interval (ft bgs)	Filter Pack Interval (ft bgs)	Comments
Remediation Wells													
EX-1	Nov-99	44.20	39.5	10	40	4	PVC	0.02	18.0 to 38.0	0.0 to 15.0	15.0 to 16.0	16.0 to 39.5	
EX-2	Nov-99	45.33	36.5	10	40	4	PVC	0.02	15.0 to 35.0	0.0 to 13.0	13.0 to 13.0	13.0 to 36.5	
DPE-1	Nov-07	44.28	40	10	38	4	PVC	0.02	15.0 to 40.0	0.0 to 10.0	10.0 to 13.0	13.0 to 40.0	
DPE-2	Nov-07	43.03	40	10	40	4	PVC	0.02	15.0 to 40.0	0.0 to 10.0	10.0 to 13.0	13.0 to 40.0	
DPE-3	Nov-07	43.27	40	10	40	4	PVC	0.02	13.0 to 38.0	0.0 to 8.0	8.0 to 11.0	11.0 to 40.0	
DPE-4	Nov-07	44.08	45	10	38	4	PVC	0.01	15.0 to 40.0	0.0 to 10.0	10.0 to 13.0	13.0 to 45.0	Installed in same borehole as destroyed well MW-2
DPE-5	Nov-07	44.60	40	10	35	4	PVC	0.01	15.0 to 40.0	0.0 to 10.0	10.0 to 13.0	13.0 to 40.0	Log indicates Screen Interval at 15-38 ft bgs
SVE-1	Oct-11	44.78	28	10	22	4	PVC	0.02	10.0 to 22.0	0.0 to 6.0	6.0 to 8.0	8.0 to 22.0	Boring backfilled from 22-28' with bentonite
AS-1	Oct-11	44.64	33	4.25	33	0.5	0.25" OD Teflon/SS	NA	33.0 to 32.5	0.0 to 28.5	30.5 to 28.5	30.5 to 33.0	6" SS sparge tip

Notes:

ft = feet	B and C = soil boring
in = inches	A = hydropunch boring
TOC = Top of Casing	CPT = cone pentrometer boring
bgs = below ground surface	MW = monitoring well
NA = not applicable	EX = extraction well
PVC = polyvinyl chloride	DPE = extraction well
SS = stainless steel	AS=air sparge well
OD = outside diameter	SVE=soil vapor extraction well

Updated 11/09/2011

[1] = TOC Elevations were surveyed to a local datum on the following dates:
MW-2 -- January 1, 1992 by HETI
MW-1, MW-3 hrough MW-11, EX-1, EX-2, DPE-1 through DPE-5, AS-1, and SVE-1 -- October 24, 2011 by Mid Coast Engineers

TABLE 2
CURRENT GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMERLY BP) SERVICE STATION NO. 111117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA												
		TOC Elevation (ft amsl)	Depth to Water (ft btoc)	LNAPL Thickness (ft)	Water Elevation* (ft amsl)	GRO (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)
EX-1	2/5/2013	44.20	16.50	NP	27.70	9200	1900	170	250	720	500	<3.0	3.1	19	1100	<30	<3.0	<3.0
EX-2	2/5/2013	45.33	16.53	NP	28.80	<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
MW-1	2/5/2013	43.14	14.71	NP	28.43	<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
MW-3	2/5/2013	43.27	15.10	NP	28.17	<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
MW-4	2/5/2013	43.64	15.60	NP	28.04	63000	2200	280	2600	7600	380	<15	<15	<15	3000	<150	<15	<15
MW-6	2/5/2013	43.64	15.53	NP	28.11	<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
MW-7	2/5/2013	44.21	15.83	NP	28.38	<50	<0.50	<0.50	<0.50	<0.50	25	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
MW-8	2/5/2013	44.18	15.00	NP	29.18	<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
MW-9	2/5/2013	44.35	16.44	NP	27.91	<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
MW-10	2/5/2013	46.17	17.59	NP	28.58	<50	<0.50	<0.50	<0.50	<0.50	3.1	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
MW-11	2/5/2013	43.34	14.30	NP	29.04	870	<0.50	<0.50	8.5	8.4	<0.50	<0.50	<0.50	<0.50	<5.0	<8.0	<0.50	<0.50
FD1	2/5/2013	--	--	--	--	890	<0.50	0.57	10	11	<0.50	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
TB1	2/5/2013	--	--	--	--	<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

Gauging Notes:
TOC - Top of Casing
Well Screen Interval - Top of Screen to Bottom of Screen
ft - Feet
NP - LNAPL not present
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
-- - No information available
ft bgs - Feet below ground surface
ft amsl - Feet above mean sea level
ft btoc - Feet below top of casing
FD - Field Duplicate
TB - Trip Blank

Analytical Notes:
< - Not detected at or above indicated laboratory reporting limit
µg/L - micrograms/liter
GRO - Gasoline range organics
MTBE - Methyl tert-butyl ether
DIPE - Di-isopropyl ether
ETBE - Ethyl tert-butyl ether
TAME - Tert-amyl methyl ether
TBA - Tert-butyl alcohol

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
DPE-1	12/14/2007	38.95	21.62	NP	17.33	--	360	24	<0.5	3.4	<0.5	--	<0.5	3.4	<0.5	1300	<300	<0.5	<0.5
	2/12/2008	38.95	16.13	NP	22.82	--	4700	2000	310	130	360	--	<10	<10	<10	3900	<2000	<10	<10
	5/22/2008	38.95	18.03	NP	20.92	--	16000	3900	94	510	1700	--	<40	<40	<40	4400	<24000	<40	<40
	8/25/2008	38.95	20.95	NP	18.00	--	1300	250	<20	<20	<20	--	<20	<20	<20	4000	<12000	<20	<20
	12/17/2008	38.95	22.33	NP	16.62	--	480	<5	<5	<5	<5	--	<5	<5	<5	1200	<3000	<5	<5
	2/25/2009	38.95	18.15	NP	20.80	--	1100	170	<10	<10	<10	<10	--	--	--	--	--	--	--
	8/15/2011	38.95	16.46	NP	22.49	--	571	16.4	5.4	6.3	12.0	1.1	<0.50	<0.50	<0.50	140	<250	<1.0	<1.0
DPE-2	12/14/2007	37.64	20.09	NP	17.55	--	2500	1.2	0.99	12	32	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	2/12/2008	37.64	14.35	NP	23.29	--	1100	9.1	9.3	33	91	--	<0.5	<0.5	<0.5	<10	<100	<0.5	<0.5
	5/22/2008	37.64	16.60	NP	21.04	--	1000	1.2	3.7	11	18	--	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
	8/25/2008	37.64	19.47	NP	18.17	--	780	0.52	<0.5	7.1	6.6	--	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
	12/17/2008	37.64	21.35	NP	16.29	--	21000	230	180	630	1900	--	<10	<10	<10	<200	<6000	<10	<10
	2/25/2009	37.64	16.60	NP	21.04	--	16000	170	180	580	1500	<10	--	--	--	--	--	--	--
	8/15/2011	37.64	15.29	NP	22.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DPE-3	12/14/2007	37.82	20.45	NP	17.37	--	1300	1800	840	830	1200	--	<25	<25	<25	1700	<15000	<25	<25
	2/12/2008	37.82	14.88	NP	22.94	--	50	31	55	140	300	--	<5	<5	<5	<100	<1000	<5	<5
	5/22/2008	37.82	16.92	NP	20.90	--	800	950	160	890	330	--	<20	<20	<20	<400	<12000	<20	<20
	8/25/2008	37.82	19.77	NP	18.05	--	3900	8.5	21	91	260	--	<2.5	<2.5	<2.5	<50	<1500	<2.5	<2.5
	12/17/2008	37.82	21.61	NP	16.21	--	24000	410	210	980	2900	--	<20	<20	<20	<400	<12000	<20	<20
	2/25/2009	37.82	17.18	NP	20.64	--	4400	22	12	130	150	<2.5	--	--	--	--	--	--	--
	8/15/2011	37.82	15.59	NP	22.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DPE-4	12/14/2007	38.46	21.00	NP	17.46	--	510000	12000	27000	4900	27000	--	<500	<500	<500	<20000	<300000	<500	<500
	2/12/2008	38.46	15.43	NP	23.03	--	100000	6600	21000	3800	22000	--	<50	<50	55	<1000	<10000	<50	<50
	5/22/2008	38.46	17.38	NP	21.08	--	130000	9700	26000	5000	28000	--	<400	<400	<400	<8000	<240000	<400	<400
	8/25/2008	38.46	20.36	NP	18.10	--	190000	9100	19000	4100	22000	--	<400	<400	<400	<8000	<240000	<400	<400
	12/17/2008	38.46	21.89	NP	16.57	--	160000	10000	20000	4500	22000	--	<400	<400	<400	<8000	<240000	<400	<400
	2/25/2009	38.46	17.59	NP	20.87	--	130000	9900	21000	4600	22000	4500	--	--	--	--	--	--	--
	8/15/2011	38.46	16.15	NP	22.31	--	57600	5920	7240	3830	12100	5560	<0.50	12.2	132	6920	<250	<1.0	<1.0
DPE-5	12/14/2007	38.23	20.86	NP	17.37	--	300000	9200	4100	4600	20000	--	<500	<500	<500	<20000	<300000	<500	<500
	2/12/2008	38.23	15.20	NP	23.03	--	63000	5600	2200	3400	12000	--	<50	<50	<50	2000	<10000	<50	<50
	5/22/2008	38.23	17.37	NP	20.86	--	34000	6800	620	2600	6000	--	<200	<200	<200	4500	<120000	<200	<200
	8/25/2008	38.23	21.80	NP	16.43	--	40000	5200	940	2100	5400	--	<100	<100	<100	5100	<60000	<100	<100
	12/17/2008	38.23	21.96	NP	16.27	--	33000	4800	130	1700	2500	--	<100	<100	<100	6100	<60000	<100	<100
	2/25/2009	38.23	17.47	NP	20.76	--	50000	6600	590	2300	6100	3100	--	--	--	--	--	--	--
	8/15/2011	38.23	15.96	NP	22.27	--	15900	2420	127	1340	1650	773	<0.50	1.2	10.0	2510	<250	<1.0	<1.0
EX-1	5/4/2004	NSVD	16.29	NP	--	--	12000	2300	430	740	1100	--	<25	<25	38	<1000	<5000	<25	<25
	8/31/2004	NSVD	19.39	NP	--	--	13000	2500	95	650	1500	--	<50	<50	<50	<2000	<10000	<50	<50
	11/23/2004	NSVD	17.90	NP	--	--	13000	2700	94	460	1700	--	<25	<25	74	<1000	<5000	<25	<25
	1/18/2005	NSVD	14.20	NP	--	--	16000	2100	390	570	2500	--	<25	<25	54	<1000	<5000	<25	<25
	6/29/2005	NSVD	14.22	NP	--	--	6400	1100	52	280	790	--	<25	<25	30	<1000	<5000	<25	<25
	9/1/2005	NSVD	17.22	NP	--	--	7900	2000	94	400	870	--	<25	<25	46	<1000	<5000	<25	<25
	11/3/2005	NSVD	19.92	NP	--	--	22000	3200	640	550	3300	--	<25	<25	87	<1000	<5000	<25	<25
	2/14/2006	NSVD	15.40	NP	--	--	3500	<25	<25	<25	74	--	<25	<25	<25	<1000	<15000	<25	<25
	5/30/2006	NSVD	13.43	NP	--	--	8600	1400	120	490	1300	--	<25	<25	37	<1000	<15000	<25	<25
	8/29/2006	NSVD	17.74	NP	--	--	22000	2900	210	1400	3600	--	<25	<25	56	<1000	<15000	<25	<25
	11/29/2006	NSVD	20.25	NP	--	--	15000	4000	110	770	2700	--	<50	<50	75	<2000	<30000	<50	<50
	2/20/2007	NSVD	16.75	NP	--	--	10000	2500	<50	550	1300	--	<50	<50	<50	<2000	<30000	<50	<50
	5/25/2007	NSVD	17.04	NP	--	--	8600	2100	88	700	1400	--	<50	<50	<50	<2000	<30000	<50	<50
	8/9/2007	NSVD	19.76	NP	--	--	4800	870	40	230	460	--	<10	<10	15	440	<6000	<10	<10
	11/9/2007	NSVD	21.57	NP	--	--	5300	2700	29	220	200	--	<25	<25	<25	1900	<15000	<25	<25
	12/14/2007	38.98	21.60	NP	17.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/12/2008	38.98	15.92	NP	23.06	--	19000	2500	<50	360	860	320	<50	<50	<50	2200	<10000	<50	<50
	5/22/2008	38.98	17.85	NP	21.13	--	9300	1600	<50	310	1100	970	<50	<50	<50	<1000	<30000	<50	<50
	8/25/2008	38.98	20.71	NP	18.27	--	6100	1100	29	360	370	430	<25	<25	<25	830	<15000	<25	<25
	12/17/2008	38.98	22.20	NP	16.78	--	11000	1400	47	720	360	690	<25	<25	<25	980	<15000	<25	<25

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
EX-1	2/25/2009	38.98	18.01	NP	20.97	--	3300	880	110	190	120	440	--	--	--	--	--	--	--
	5/21/2009	38.98	17.10	NP	21.88	--	5000	2100	100	350	89	570	--	--	--	--	--	--	--
	8/14/2009	38.98	20.55	NP	18.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	38.98	15.61	NP	23.37	--	4040	308	488	393	975	133	<0.50	<0.50	<0.50	43.7	<250	<1.0	<1.0
	8/20/2010	38.98	17.44	NP	21.54	--	14600	1090	1610	1030	3360	267	<0.50	0.78	8.9	275	<250	<1.0	<1.0
	2/7/2011	38.98	15.20	NP	23.78	--	15900	642	1100	846	2500	364	<0.50	0.78	9.3	151	<250	<1.0	<1.0
	8/15/2011	38.98	16.21	NP	22.77	--	1470	470	516	472	1270	54.2	<5.0	<5.0	17.8	188	<2500	<10.0	13.3
	2/20/2012	44.20	18.27	NP	25.93	--	10300	1810	586	350	712	312	<2.5	<2.5	12.9	481	<1250	<5.0	44.1
	8/31/2012	44.20	19.55	NP	24.65	--	5100	1600	40	53	150	59	<3.0	<3.0	<3.0	1100	<30	<3.0	<3.0
	9/27/2012	44.20	19.62	NP	24.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	44.20	16.5	NP	27.7	--	9200	1900	170	250	720	500	<3.0	3.1	19	1100	<30	<3.0	<3.0
EX-2	5/4/2004	NSVD	16.65	NP	--	--	<50	0.63	<0.5	<0.5	0.66	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	8/31/2004	NSVD	19.90	NP	--	--	<250	<2.5	<2.5	<2.5	<2.5	--	<2.5	<2.5	3.4	<100	<500	<2.5	<2.5
	11/23/2004	NSVD	18.36	NP	--	--	<50	0.74	<0.5	0.83	3	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	1/18/2005	NSVD	14.67	NP	--	--	<50	<0.5	<0.5	<0.5	0.69	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	6/29/2005	NSVD	14.60	NP	--	--	<50	<0.5	<0.5	<0.5	0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	9/1/2005	NSVD	17.28	NP	--	--	<50	<0.5	1.4	<0.5	1.4	--	<0.5	<0.5	0.56	<20	<100	<0.5	<0.5
	11/3/2005	NSVD	20.42	NP	--	--	<50	0.5	<0.5	<0.5	1.4	--	<0.5	<0.5	0.8	<20	<100	<0.5	<0.5
	2/14/2006	NSVD	14.54	NP	--	--	220	<0.5	3.2	7.5	33	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/30/2006	NSVD	13.35	NP	--	--	<50	<0.5	<0.5	<0.5	0.7	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	8/29/2006	NSVD	17.92	NP	--	--	66	0.67	<0.5	0.79	1.9	--	<0.5	<0.5	0.98	<20	<300	<0.5	<0.5
	11/29/2006	NSVD	20.63	NP	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	2/20/2007	NSVD	17.58	NP	--	--	<50	<0.5	<0.5	<0.5	2	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/25/2007	NSVD	17.23	0.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	8/9/2007	NSVD	20.40	NP	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	11/9/2007	NSVD	22.07	NP	--	--	120	<0.5	0.53	0.57	2.7	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	12/14/2007	39.63	21.97	NP	17.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/12/2008	39.63	16.73	NP	22.90	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<100	<0.5	<0.5
	5/22/2008	39.63	18.09	NP	21.54	--	<50	<0.5	2.4	0.95	5.5	0.54	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
	8/25/2008	39.63	21.51	NP	18.12	--	<50	<0.5	<0.5	<0.5	<0.5	1	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
	12/17/2008	39.63	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/25/2009	39.63	16.79	NP	22.84	--	<50	<0.50	<0.50	<0.50	<0.50	0.58	--	--	--	--	--	--	--
	5/21/2009	39.63	18.56	NP	21.07	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	8/14/2009	39.63	21.00	NP	18.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	39.63	16.11	NP	23.52	--	<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
	8/20/2010	39.63	17.20	NP	22.43	--	<50.0	<0.50	<0.50	<0.50	<1.5	26.1	<0.50	<0.50	<0.50	5.6	<250	<1.0	<1.0
	2/7/2011	39.63	15.59	NP	24.04	--	<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
	8/15/2011	39.63	16.39	NP	23.24	--	<50.0	<0.50	<0.50	<0.50	<1.5	3.6	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	2/20/2012	45.33	19.10	NP	26.23	--	<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
	8/31/2012	45.33	19.99	NP	25.34	--	<50	<0.50	<0.50	<0.50	<0.50	6.3	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
	9/27/2012	45.33	20.60	NP	24.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	45.33	16.53	NP	28.8	--	<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
MW-1	1/5/1992	49.80	33.16	NP	16.64	50000	57000	2400	1000	1100	3100	--	--	--	--	--	--	--	--
	1/10/1992	49.80	33.16	NP	16.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/5/1992	49.80	29.01	NP	20.79	--	31000	2800	2100	800	2300	--	--	--	--	--	--	--	--
	7/24/1992	49.80	29.45	NP	20.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/27/1992	49.80	29.45	NP	20.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/15/1992	49.80	30.53	NP	19.27	1200	40000	3400	3000	1300	3400	--	--	--	--	--	--	--	--
	12/15/1992	49.80	31.26	NP	18.54	1100	27000	1700	580	700	1900	--	--	--	--	--	--	--	--
	3/15/1993	49.80	24.80	NP	25.00	580	17000	1700	1200	590	1800	--	--	--	--	--	--	--	--
	6/7/1993	49.80	25.01	NP	24.79	100	750	0.8	0.8	<0.5	<0.5	--	--	--	--	--	--	--	--
	9/23/1993	49.80	28.70	NP	21.10	770	40000	4000	500	920	3000	--	--	--	--	--	--	--	--
	12/27/1993	49.80	28.66	NP	21.14	--	27000	2000	400	940	2600	--	--	--	--	--	--	--	--
	4/5/1994	49.80	26.37	NP	23.43	--	27000	3400	930	950	2900	--	--	--	--	--	--	--	--
	7/22/1994	49.80	26.54	NP	23.26	--	1700	220	2.3	2	3.4	--	--	--	--	--	--	--	--
	10/13/1994	49.80	27.46	NP	22.34	--	1200	250	21	<0.5	3.2	--	--	--	--	--	--	--	--
	1/25/1995	49.80	20.96	NP	28.84	--	1000	420	8	13	4	--	--	--	--	--	--	--	--
	4/19/1995	49.80	19.59	NP	30.21	--	5200	420	51	230	340	--	--	--	--	--	--	--	--
	7/5/1995	49.80	19.61	NP	30.19	--	320	4.2	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	10/5/1995	49.80	24.40	NP	25.40	--	5800	1000	40	31	180	--	--	--	--	--	--	--	--
	1/12/1996	49.80	25.44	NP	24.36	--	370	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-1	4/22/1996	49.80	18.02	NP	31.78	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/2/1996	49.80	19.72	NP	30.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/3/1996	49.80	NG	NG	NG	--	<250	<2.5	<5	<5	<5	--	--	--	--	--	--	--	--
	11/8/1996	49.80	19.98	NP	29.82	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/3/1997	49.80	19.49	NP	30.31	--	<50	<0.5	14	<1	<1	--	--	--	--	--	--	--	--
	4/28/1997	49.80	20.20	NP	29.60	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/1/1997	49.80	22.53	NP	27.27	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	10/2/1997	49.80	24.27	NP	25.53	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/9/1998	49.80	21.07	NP	28.73	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	5/6/1998	49.80	14.94	NP	34.86	--	60	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/21/1998	49.80	15.11	NP	34.69	--	70	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	12/30/1998	49.80	19.95	NP	29.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/2/1999	49.80	19.12	NP	30.68	--	420	<1	<1	<1	<1	--	--	--	--	--	--	--	--
	5/10/1999	49.80	15.51	NP	34.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1999	49.80	21.65	NP	28.15	--	440	49	<1	<1	<1	--	--	--	--	--	--	--	--
	12/23/1999	49.80	22.32	NP	27.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2000	49.80	15.72	NP	34.08	--	2500	230	3	83	36	--	--	--	--	--	--	--	--
	5/22/2000	49.80	16.92	NP	32.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2000	49.80	20.12	NP	29.68	--	1700	18	5.5	7.9	5	--	--	--	--	--	--	--	--
	12/11/2000	49.80	20.72	NP	29.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2001	49.80	15.91	NP	33.89	--	880	38.2	<0.5	24.1	<1.5	--	--	--	--	--	--	--	--
	6/19/2001	49.80	18.38	NP	31.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2001	49.80	21.23	NP	28.57	--	3200	400	19.8	42	32.5	--	--	--	--	--	--	--	--
	12/27/2001	49.80	16.72	NP	33.08	--	750	70.1	0.536	4.74	3.76	--	--	--	--	--	--	--	--
	2/28/2002	49.80	15.25	NP	34.55	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	6/28/2002	49.80	16.57	NP	33.23	--	110	0.977	<0.5	0.818	<1	--	--	--	--	--	--	--	--
	9/12/2002	49.80	18.41	NP	31.39	--	98	2.7	1.5	1.5	5.4	--	--	--	--	--	--	--	--
	12/12/2002	49.80	20.26	NP	29.54	--	210	1.9	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	3/10/2003	49.80	16.22	NP	33.58	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/12/2003	49.80	14.30	NP	35.50	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	8/27/2003	49.80	18.15	NP	31.65	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	--	--
	11/10/2003	49.80	19.24	NP	30.56	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	--	--
	2/3/2004	49.80	14.84	NP	34.96	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	5/4/2004	49.80	14.67	NP	35.13	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	8/31/2004	49.80	17.75	NP	32.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	11/23/2004	49.80	16.03	NP	33.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/18/2005	49.80	12.47	NP	37.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	6/29/2005	49.80	12.65	NP	37.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2005	49.80	15.79	NP	34.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/3/2005	49.80	18.55	NP	31.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2006	49.80	12.29	NP	37.51	--	51	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/30/2006	49.80	12.15	NP	37.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2006	49.80	16.37	NP	33.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/29/2006	49.80	18.73	NP	31.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/2007	49.80	14.71	NP	35.09	--	110	<0.5	<0.5	0.58	<0.5	--	--	--	--	--	--	--	--
	5/25/2007	49.80	15.59	NP	34.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/9/2007	49.80	18.38	NP	31.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/9/2007	49.80	20.00	NP	29.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2007	37.41	19.83	NP	17.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/12/2008	37.41	14.00	NP	23.41	--	100	<0.5	<0.5	0.55	<0.5	--	--	--	--	--	--	--	--
	5/22/2008	37.41	16.31	NP	21.10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2008	37.41	19.20	NP	18.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 3
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76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-1	12/17/2008	37.41	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/25/2009	37.41	16.30	NP	21.11	--	370	<0.50	<0.50	0.79	<0.50	<0.50	--	--	--	--	--	--	--
	5/21/2009	37.41	15.97	NP	21.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/14/2009	37.41	19.30	NP	18.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	37.41	14.37	NP	23.04	--	<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
	8/20/2010	37.41	15.72	NP	21.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/7/2011	37.41	14.02	NP	23.39	--	<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
	8/15/2011	37.41	15.40	NP	22.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/2012	43.14	17.10	NP	26.04	--	<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
	6/27/2012	43.14	15.63	NP	27.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2012	43.14	18.23	NP	24.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	43.14	14.71	NP	28.43	--	<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
MW-2	1/5/1992	51.07	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/10/1992	51.07	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/5/1992	51.07	30.05	NP	21.02	--	11000	2000	180	490	1900	--	--	--	--	--	--	--	--
	7/24/1992	51.07	30.72	NP	20.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/27/1992	51.07	30.52	NP	20.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/15/1992	51.07	31.56	NP	19.51	3200	75000	2000	6500	2300	13000	--	--	--	--	--	--	--	--
	12/15/1992	51.07	32.40	NP	18.67	1600	34000	6200	8900	2000	7900	--	--	--	--	--	--	--	--
	3/15/1993	51.07	26.14	NP	24.93	8400	150000	12000	18000	3200	22000	--	--	--	--	--	--	--	--
	6/7/1993	51.07	26.38	NP	24.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1993	51.07	31.43	1.92	19.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27/1993	51.07	34.07	1.07	17.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/5/1994	51.07	30.44	3.30	20.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/1994	51.07	28.51	0.80	22.56	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/13/1994	51.07	29.33	0.70	21.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/25/1995	51.07	25.55	4.25	25.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/19/1995	51.07	19.78	0.12	31.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/5/1995	51.07	20.88	0.09	30.19	--	140000	14000	30000	3500	26000	--	--	--	--	--	--	--	--
	10/5/1995	51.07	24.68	0.10	26.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/12/1996	51.07	25.72	0.06	25.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/22/1996	51.07	19.33	0.08	31.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/2/1996	51.07	20.01	0.04	31.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/8/1996	51.07	20.28	0.01	30.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/3/1997	51.07	19.87	0.02	31.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/28/1997	51.07	20.59	0.01	30.48	--	560000	1200	1300	290	2310	--	--	--	--	--	--	--	--
	7/1/1997	51.07	22.90	0.01	28.17	--	24000	15000	16000	4900	24400	--	--	--	--	--	--	--	--
	10/2/1997	51.07	24.65	0.02	26.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/1997	51.07	NG	NG	NG	--	250000	32000	39000	6000	42000	--	--	--	--	--	--	--	--
	1/9/1998	51.07	21.22	0.01	29.85	--	420000	23000	29000	5800	43000	--	--	--	--	--	--	--	--
	2/2/1998	51.07	20.11	NP	30.96	--	410000	27000	43000	6700	50000	--	--	--	--	--	--	--	--
	5/6/1998	51.07	15.10	0.01	35.97	--	180000	25000	26000	3400	22900	--	--	--	--	--	--	--	--
	7/21/1998	51.07	15.31	0.01	35.76	--	270000	21000	20000	2700	18800	--	--	--	--	--	--	--	--
	12/30/1998	51.07	21.10	0.10	29.97	--	300000	22000	24000	4200	26000	95000	--	--	--	--	--	--	--
	5/10/1999	51.07	16.68	NP	34.39	--	220000	20000	20000	2800	20000	--	--	--	--	--	--	--	--
	9/23/1999	51.07	22.50	NP	28.57	--	160000	21000	24000	2900	20000	--	--	--	--	--	--	--	--
	12/23/1999	51.07	22.64	NP	28.43	--	170000	25000	41000	3100	24000	--	--	--	--	--	--	--	--
	3/27/2000	51.07	16.88	NP	34.19	--	140000	15000	25000	3400	21000	--	--	--	--	--	--	--	--
	5/22/2000	51.07	17.75	NP	33.32	--	150000	18000	31000	3500	22000	--	--	--	--	--	--	--	--
	8/31/2000	51.07	21.97	NP	29.10	--	200000	16000	26000	2500	16000	--	--	--	--	--	--	--	--
	12/11/2000	51.07	22.05	NP	29.02	--	130000	18600	30000	3250	20600	--	--	--	--	--	--	--	--
	3/20/2001	51.07	17.75	NP	33.32	--	140000	15900	24800	3700	22100	--	--	--	--	--	--	--	--
	6/19/2001	51.07	20.15	NP	30.92	--	130000	15100	19500	3300	21400	--	--	--	--	--	--	--	--
	9/20/2001	51.07	22.14	NP	28.93	--	110000	12400	12600	2230	13000	--	--	--	--	--	--	--	--
	12/27/2001	51.07	18.17	NP	32.90	--	150000	17500	26000	3050	19500	--	--	--	--	--	--	--	--

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-2	2/28/2002	51.07	17.42	NP	33.65	--	120000	13900	18800	3030	19600	--	--	--	--	--	--	--	--
	6/28/2002	51.07	17.04	NP	34.03	--	3700	190	23.3	139	287	--	--	--	--	--	--	--	--
	9/12/2002	51.07	19.52	NP	31.55	--	100000	13000	22000	3600	20000	--	--	--	--	--	--	--	--
	12/12/2002	51.07	21.08	NP	29.99	--	120000	13000	21000	4400	25000	--	--	--	--	--	--	--	--
	3/10/2003	51.07	17.84	NP	33.23	--	100000	17000	21000	3400	20000	--	--	--	--	--	--	--	--
	5/12/2003	51.07	16.66	NP	34.41	--	150000	16000	24000	3500	22000	--	--	--	--	--	--	--	--
	8/27/2003	51.07	19.65	NP	31.42	--	120000	14000	12000	3900	20000	--	<120	<120	140	<5000	<25000	--	--
	11/10/2003	51.07	20.80	NP	30.27	--	97000	12000	9500	3600	15000	--	<250	<250	<250	<10000	<50000	--	--
	2/3/2004	51.07	16.82	NP	34.25	--	130000	14000	19000	3400	20000	--	--	--	--	--	--	--	--
	5/4/2004	51.07	16.19	NP	34.88	--	120000	12000	16000	3700	22000	--	<250	<250	<250	<10000	<50000	<250	<250
	8/31/2004	51.07	19.50	NP	31.57	--	99000	10000	13000	3700	18000	--	--	--	--	--	--	--	--
	11/23/2004	51.07	18.20	NP	32.87	--	110000	8200	17000	4000	23000	--	<250	<250	<250	<10000	<50000	<250	<250
	1/18/2005	51.07	14.91	NP	36.16	--	96000	6500	14000	3500	21000	--	<100	<100	<100	<4000	<20000	<100	<100
	6/29/2005	51.07	13.98	NP	37.09	--	54000	6200	4900	3300	12000	--	--	--	--	--	--	--	--
	9/1/2005	51.07	17.00	NP	34.07	--	58000	6300	6000	3300	15000	--	<100	<100	100	<4000	<20000	<100	<100
	11/3/2005	51.07	20.25	NP	30.82	--	63000	7400	3700	3300	10000	--	<100	<100	100	<4000	<20000	<100	<100
	2/14/2006	51.07	13.72	NP	37.35	--	97000	7500	11000	4300	16000	--	<100	<100	<100	<4000	<60000	<100	<100
	5/30/2006	51.07	13.50	NP	37.57	--	28000	5200	2500	1500	3300	--	<100	<100	<100	<4000	<60000	<100	<100
	8/29/2006	51.07	18.16	NP	32.91	--	65000	7200	4500	3200	11000	--	<100	<100	100	<4000	<60000	<100	<100
	11/29/2006	51.07	20.06	NP	31.01	--	46000	8500	4600	3300	10000	--	<120	<120	120	<5000	<75000	<120	<120
	2/20/2007	51.07	16.43	NP	34.64	--	78000	9700	12000	4100	16000	--	<100	<100	<100	<4000	<60000	<100	<100
	5/25/2007	51.07	16.80	NP	34.27	--	62000	7400	9500	4100	15000	--	<200	<200	<200	<8000	<120000	<200	<200
	8/9/2007	51.07	19.55	NP	31.52	--	58000	7400	5000	3800	12000	--	<100	<100	<100	<4000	<60000	<100	<100
	11/9/2007	51.07	21.53	NP	29.54	--	49000	6300	3300	2900	8300	--	<100	<100	<100	<4000	<60000	<100	<100
MW-3	1/5/1992	49.95	33.69	NP	16.26	4000	7400	790	23	210	40	--	--	--	--	--	--	--	--
	1/10/1992	49.95	33.74	NP	16.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/5/1992	49.95	29.65	NP	20.30	--	0	130	5.3	93	20	--	--	--	--	--	--	--	--
	7/24/1992	49.95	30.14	NP	19.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/27/1992	49.95	30.14	NP	19.81	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/15/1992	49.95	31.07	NP	18.88	<50	450	55	3.1	34	7.1	--	--	--	--	--	--	--	--
	12/15/1992	49.95	31.93	NP	18.02	710	12000	940	<50	310	120	--	--	--	--	--	--	--	--
	3/15/1993	49.95	25.71	NP	24.24	60	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	6/7/1993	49.95	25.80	NP	24.15	<50	150	3.6	<0.5	0.9	1.3	--	--	--	--	--	--	--	--
	9/23/1993	49.95	29.18	NP	20.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/1993	49.95	NG	NG	NG	<50	160	8.4	<0.5	3.7	1.3	--	--	--	--	--	--	--	--
	12/27/1993	49.95	29.25	NP	20.70	--	9400	1100	48	530	120	--	--	--	--	--	--	--	--
	4/5/1994	49.95	26.84	NP	23.11	--	7000	860	19	330	52	--	--	--	--	--	--	--	--
	7/22/1994	49.95	26.90	NP	23.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	10/13/1994	49.95	27.83	NP	22.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	1/25/1995	49.95	21.65	NP	28.30	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/19/1995	49.95	19.33	NP	30.62	--	2400	170	8	130	27	--	--	--	--	--	--	--	--
	7/5/1995	49.95	20.27	NP	29.68	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	10/5/1995	49.95	23.73	NP	26.22	--	2300	210	3.1	10	5.1	--	--	--	--	--	--	--	--
	1/12/1996	49.95	24.84	NP	25.11	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/22/1996	49.95	18.60	NP	31.35	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/2/1996	49.95	18.88	NP	31.07	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	11/8/1996	49.95	19.14	NP	30.81	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/3/1997	49.95	18.72	NP	31.23	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	4/28/1997	49.95	19.38	NP	30.57	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/1/1997	49.95	21.65	NP	28.30	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	10/2/1997	49.95	23.45	NP	26.50	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/9/1998	49.95	20.10	NP	29.85	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	5/6/1998	49.95	15.57	NP	34.38	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/21/1998	49.95	15.88	NP	34.07	--	51	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-3	12/30/1998	49.95	20.30	NP	29.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/2/1999	49.95	19.75	NP	30.20	--	<50	<1	<1	<1	<1	--	--	--	--	--	--	--	--
	5/10/1999	49.95	16.17	NP	33.78	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1999	49.95	22.05	NP	27.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/1999	49.95	22.55	NP	27.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2000	49.95	16.40	NP	33.55	--	350	22	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/22/2000	49.95	9.49	NP	40.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2000	49.95	13.02	NP	36.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/11/2000	49.95	13.30	NP	36.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2001	49.95	16.49	NP	33.46	--	1000	66.4	0.597	6.96	<1.5	--	--	--	--	--	--	--	--
	6/19/2001	49.95	18.82	NP	31.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2001	49.95	21.59	NP	28.36	--	230	<0.5	0.593	<0.5	<1.5	--	--	--	--	--	--	--	--
	12/27/2001	49.95	17.37	NP	32.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/28/2002	49.95	15.81	NP	34.14	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	6/28/2002	49.95	17.09	NP	32.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/12/2002	49.95	18.80	NP	31.15	--	52	3.3	8.6	1.7	12	--	--	--	--	--	--	--	--
	12/12/2002	49.95	20.57	NP	29.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/10/2003	49.95	16.68	NP	33.27	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/12/2003	49.95	14.72	NP	35.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/27/2003	49.95	18.50	NP	31.45	--	<50	<0.5	<0.5	<0.5	0.5	--	<0.5	<0.5	<0.5	<20	<100	--	--
	11/10/2003	49.95	19.66	NP	30.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/3/2004	49.95	15.33	NP	34.62	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	8/31/2004	49.95	18.13	NP	31.82	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	11/23/2004	49.95	16.48	NP	33.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/18/2005	49.95	13.06	NP	36.89	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	6/29/2005	49.95	13.00	NP	36.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2005	49.95	16.00	NP	33.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/3/2005	49.95	18.91	NP	31.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2006	49.95	12.90	NP	37.05	--	86	<0.5	<0.5	<0.5	0.55	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/30/2006	49.95	12.55	NP	37.40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2006	49.95	16.68	NP	33.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/29/2006	49.95	19.10	NP	30.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/2007	49.95	15.29	NP	34.66	--	56	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/25/2007	49.95	15.94	NP	34.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/9/2007	49.95	18.70	NP	31.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/9/2007	49.95	20.27	NP	29.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2007	37.56	20.21	NP	17.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/11/2008	37.56	14.68	NP	22.88	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<10	<100	<0.5	<0.5
	5/22/2008	37.56	16.64	NP	20.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2008	37.56	19.40	NP	18.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2008	37.56	22.13	NP	15.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/25/2009	37.56	16.81	NP	20.75	--	71	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	5/21/2009	37.56	16.40	NP	21.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/14/2009	37.56	19.60	NP	17.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	37.56	14.81	NP	22.75	--	<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
	8/20/2010	37.56	16.80	NP	20.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/7/2011	37.56	14.39	NP	23.17	--	<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
	8/15/2011	37.56	15.56	NP	22.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/2012	43.27	17.41	NP	25.86	--	<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
	8/31/2012	43.27	18.51	NP	24.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	43.27	15.10	NP	28.17	--	<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
MW-4	7/24/1992	50.76	30.02	NP	20.74	--	42000	3200	3600	1400	4100	--	--	--	--	--	--	--	--
	7/27/1992	50.76	30.02	NP	20.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/15/1992	50.76	31.14	NP	19.62	1700	55000	7600	13000	2800	9500	--	--	--	--	--	--	--	--

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-4	12/15/1992	50.76	31.98	NP	18.78	2200	36000	3700	4700	1200	4000	--	--	--	--	--	--	--	--
	3/15/1993	50.76	25.34	NP	25.42	1200	69000	7600	15000	2500	11000	--	--	--	--	--	--	--	--
	6/7/1993	50.76	25.67	NP	25.09	2500	73000	10000	19000	3400	14000	--	--	--	--	--	--	--	--
	9/23/1993	50.76	29.37	NP	21.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/1993	50.76	NG	NG	NG	5700	68000	11000	2100	8600	990	--	--	--	--	--	--	--	--
	12/27/1993	50.76	29.40	NP	21.36	--	32000	2500	4400	1300	4400	--	--	--	--	--	--	--	--
	4/5/1994	50.76	27.09	NP	23.67	--	64000	6500	14000	1900	9600	--	--	--	--	--	--	--	--
	7/22/1994	50.76	27.33	NP	23.43	--	85000	10000	20000	3200	13000	--	--	--	--	--	--	--	--
	10/13/1994	50.76	28.25	NP	22.51	--	51000	7100	13000	2100	8900	--	--	--	--	--	--	--	--
	1/25/1995	50.76	21.85	NP	28.91	--	26000	3600	9600	1200	6400	--	--	--	--	--	--	--	--
	4/19/1995	50.76	19.44	NP	31.32	--	89000	12000	24000	3500	18000	--	--	--	--	--	--	--	--
	7/5/1995	50.76	20.52	NP	30.24	--	130000	13000	29000	3300	25000	--	--	--	--	--	--	--	--
	10/5/1995	50.76	24.23	NP	26.53	--	110000	10000	23000	3600	17000	--	--	--	--	--	--	--	--
	1/12/1996	50.76	25.34	NP	25.42	--	46000	3500	8300	1100	8000	--	--	--	--	--	--	--	--
	4/22/1996	50.76	19.13	NP	31.63	--	40000	5100	9600	980	11800	--	--	--	--	--	--	--	--
	7/2/1996	50.76	20.67	NP	30.09	--	74000	9800	21000	2100	16600	--	--	--	--	--	--	--	--
	11/8/1996	50.76	20.95	NP	29.81	--	100000	7900	16000	2500	13700	--	--	--	--	--	--	--	--
	1/3/1997	50.76	20.54	NP	30.22	--	99000	17000	30000	4300	22700	--	--	--	--	--	--	--	--
	4/28/1997	50.76	21.28	NP	29.48	--	130000	12000	28000	3800	21000	--	--	--	--	--	--	--	--
	7/1/1997	50.76	23.61	NP	27.15	--	110000	16000	25000	4900	24400	--	--	--	--	--	--	--	--
	10/2/1997	50.76	25.39	NP	25.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/1997	50.76	NG	NG	NG	--	66000	8200	8600	2700	13400	--	--	--	--	--	--	--	--
	1/9/1998	50.76	21.25	NP	29.51	--	100000	9700	3200	1500	4700	--	--	--	--	--	--	--	--
	5/6/1998	50.76	15.96	NP	34.8	--	430000	6900	31000	11000	56000	--	--	--	--	--	--	--	--
	7/21/1998	50.76	16.10	NP	34.66	--	250000	11000	26000	5500	26900	--	--	--	--	--	--	--	--
	12/30/1998	50.76	20.91	NP	29.85	--	370000	11000	22000	8500	40000	92000	--	--	--	--	--	--	--
	2/2/1999	50.76	20.13	NP	30.63	--	190000	4100	19000	4800	32000	--	--	--	--	--	--	--	--
	5/10/1999	50.76	16.63	NP	34.13	--	2700	23	7.1	8.1	25	--	--	--	--	--	--	--	--
	9/23/1999	50.76	22.48	NP	28.28	--	180000	11000	29000	7000	38000	--	--	--	--	--	--	--	--
	12/23/1999	50.76	22.94	NP	27.82	--	66000	6300	5200	2200	7800	--	--	--	--	--	--	--	--
	3/27/2000	50.76	16.84	NP	33.92	--	120000	8700	12000	3800	16000	--	--	--	--	--	--	--	--
	5/22/2000	50.76	17.85	NP	32.91	--	110000	7600	16000	4400	20000	--	--	--	--	--	--	--	--
	8/31/2000	50.76	21.71	NP	29.05	--	110000	8800	7600	3400	14000	--	--	--	--	--	--	--	--
	12/11/2000	50.76	22.05	NP	28.71	--	70000	4580	3480	2550	9220	--	--	--	--	--	--	--	--
	3/20/2001	50.76	17.68	NP	33.08	--	100000	7100	4530	2540	9370	--	--	--	--	--	--	--	--
	6/19/2001	50.76	19.40	NP	31.36	--	180000	7430	14600	5400	25300	--	--	--	--	--	--	--	--
	9/20/2001	50.76	22.01	0.03	28.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27/2001	50.76	17.96	NP	32.8	--	120000	6880	9030	2840	14600	--	--	--	--	--	--	--	--
	2/28/2002	50.76	17.06	NP	33.7	--	80000	4920	5450	2220	12300	--	--	--	--	--	--	--	--
	6/28/2002	50.76	17.76	NP	33	--	48000	2780	2770	1530	6790	--	--	--	--	--	--	--	--
	9/12/2002	50.76	19.45	NP	31.31	--	46000	4500	6800	2600	10000	--	--	--	--	--	--	--	--
	12/12/2002	50.76	21.29	NP	29.47	--	36000	5200	3400	2000	6500	--	--	--	--	--	--	--	--
	3/10/2003	50.76	17.16	NP	33.6	--	70000	7000	4800	3300	13000	--	--	--	--	--	--	--	--
	5/12/2003	50.76	14.51	NP	36.25	--	75000	7600	3700	3400	13000	--	--	--	--	--	--	--	--
	8/27/2003	50.76	19.32	NP	31.44	--	77000	7500	1300	2100	4000	--	<250	<250	250	<10000	<50000	--	--
	11/10/2003	50.76	20.36	NP	30.4	--	110000	7100	3100	2100	5800	--	<500	<500	<500	<20000	<100000	--	--
	2/3/2004	50.76	16.51	NP	34.25	--	160000	8400	9700	5000	23000	--	<500	<500	<500	<20000	<100000	<500	<500
	5/4/2004	50.76	16.47	NP	34.29	--	110000	8100	7500	4300	17000	--	<250	<250	<250	<10000	<50000	<250	<250
	8/31/2004	50.76	19.16	NP	31.6	--	91000	6600	8400	3700	14000	--	<250	<250	<250	<10000	<50000	<250	<250
	11/23/2004	50.76	18.02	NP	32.74	--	7400000	20000	150000	320000	1400000	--	<2500	<2500	<2500	<100000	<500000	<2500	<2500
	1/18/2005	50.76	14.21	NP	36.55	--	170000	5400	14000	6900	33000	--	<250	<250	<250	<10000	<50000	<250	<250
	6/29/2005	50.76	13.86	NP	36.9	--	640000	3500	25000	24000	110000	--	<250	<250	<250	<10000	<50000	<250	<250

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76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-4	9/1/2005	50.76	16.89	NP	33.87	--	100000	3800	11000	4900	33000	--	<500	<500	<500	<20000	<100000	<500	<500
	11/3/2005	50.76	19.33	NP	31.43	--	490000	4700	11000	10000	49000	--	<500	<500	<500	<20000	<100000	<500	<500
	2/14/2006	50.76	13.55	NP	37.21	--	970000	60000	7000	36000	140000	--	<500	<500	1000	<20000	<300000	<500	<500
	5/30/2006	50.76	13.52	NP	37.24	--	140000	3000	6600	6200	29000	--	<500	<500	<500	<20000	<300000	<500	<500
	8/29/2006	50.76	17.52	NP	33.24	--	52000	4700	2500	3500	12000	--	<500	<500	<500	<20000	<300000	<500	<500
	11/29/2006	50.76	19.93	0.11	30.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/2007	50.76	16.14	NP	34.62	--	68000	8400	2600	4100	13000	--	<250	<250	<250	<10000	<150000	<250	<250
	5/25/2007	50.76	16.65	NP	34.11	--	37000	5100	1200	2800	6900	--	<200	<200	<200	<8000	<120000	<200	<200
	8/9/2007	50.76	19.29	NP	31.47	--	180000	5600	7700	5700	21000	--	<100	<100	<100	4100	<60000	<100	<100
	11/9/2007	50.76	21.27	NP	29.49	--	110000	3300	2400	3600	13000	--	<100	<100	<100	5700	<60000	<100	<100
	12/14/2007	38.35	21.10	NP	17.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/11/2008	38.35	15.45	0.01	22.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/22/2008	38.35	17.44	NP	20.91	--	48000	4500	880	1400	5000	--	<100	<100	<100	6600	<60000	<100	<100
	8/25/2008	38.35	20.32	0.05	18.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2008	38.35	22.20	NP	16.15	--	45000	3300	520	910	3000	--	<100	<100	<100	6100	<60000	<100	<100
	2/25/2009	38.35	17.60	NP	20.75	--	39000	4600	2100	1800	6300	1300	--	--	--	--	--	--	--
	5/21/2009	38.35	17.02	NP	21.33	--	51000	3900	1100	1900	6800	3700	--	--	--	--	--	--	--
	8/14/2009	38.35	20.09	NP	18.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	38.35	16.09	NP	22.26	--	2500	4.7	1.5	1.3	4.1	3.4	<0.50	<0.50	<0.50	248	<250	<1.0	<1.0
	8/20/2010	38.35	17.29	NP	21.06	--	3530	39.8	0.89	1.3	15.8	7.0	<0.50	<0.50	<0.50	689	<250	<1.0	<1.0
	2/7/2011	38.35	15.59	NP	22.76	--	3600	7.1	0.76	1.2	5.1	3.7	<0.50	<0.50	<0.50	210	<250	<1.0	<1.0
	8/15/2011	38.35	16.06	NP	22.29	--	87600	3430	280	2880	8500	317	<12.5	<12.5	<12.5	3410	<6250	<25.0	<25.0
	2/20/2012	43.64	17.94	NP	25.70	--	692000	4870	505	7080	29800	228	<25.0	<25.0	<25.0	4700	<12500	<50.0	115
	3/19/2012	43.64	17.75	NP	25.89	--	15200	4800	125	562	512	768	<0.50	3.2	6	25200	<250	<1.0	<1.0
	4/27/2012	43.64	13.52	NP	30.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/27/2012	43.64	16.50	NP	27.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2012	43.64	18.82	NP	24.82	--	230000	2800	600	6100	17000	240	<25	<25	<25	1800	<300	<25	<25
	9/27/2012 [1]	43.64	19.30	NP	24.34	--	28000	2300	420	2000	6000	150	<40	<40	<40	3800	<2000	--	--
	9/27/2012 [2]	43.64	19.30	NP	24.34	--	58000	2600	530	7700	15000	160	<100	<100	<100	2400	<5000	--	--
	2/5/2013	43.64	15.60	NP	28.04	--	63000	2200	280	2600	7600	380	<15	<15	<15	3000	<150	<15	<15
MW-6	7/24/1992	50.32	30.63	NP	19.69	--	--	1.6	--	--	--	--	--	--	--	--	--	--	--
	7/27/1992	50.32	30.63	NP	19.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/15/1992	50.32	31.52	NP	18.8	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/15/1992	50.32	32.42	NP	17.9	<50	58	1.3	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	3/15/1993	50.32	26.29	NP	24.03	<50	<50	<0.5	0.6	<0.5	0.7	--	--	--	--	--	--	--	--
	6/7/1993	50.32	26.33	NP	23.99	<50	<50	<0.5	<0.5	<0.5	1.5	--	--	--	--	--	--	--	--
	9/23/1993	50.32	29.64	NP	20.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/1993	50.32	NG	NG	NG	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/27/1993	50.32	29.75	NP	20.57	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	4/5/1994	50.32	27.26	NP	23.06	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	7/22/1994	50.32	27.34	NP	22.98	--	350	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	10/13/1994	50.32	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/25/1995	50.32	22.16	NP	28.16	--	240	6	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/19/1995	50.32	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/5/1995	50.32	20.80	NP	29.52	--	180	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	10/5/1995	50.32	24.20	NP	26.12	--	860	<5	<5	<5	<10	--	--	--	--	--	--	--	--
	1/12/1996	50.32	25.30	NP	25.02	--	860	<5	<5	<5	<10	--	--	--	--	--	--	--	--
	4/22/1996	50.32	19.13	NP	31.19	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/2/1996	50.32	20.66	NP	29.66	--	100	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	11/8/1996	50.32	20.98	NP	29.34	--	1100	<5	<10	<10	<10	--	--	--	--	--	--	--	--
	1/3/1997	50.32	20.53	NP	29.79	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	4/28/1997	50.32	21.25	NP	29.07	--	1400	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/1/1997	50.32	23.40	NP	26.92	--	6100	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	10/2/1997	50.32	25.16	NP	25.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/1997	50.32	NG	NG	NG	--	330	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/9/1998	50.32	21.13	NP	29.19	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	5/6/1998	50.32	16.11	NP	34.21	--	410	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/21/1998	50.32	16.33	NP	33.99	--	4300	<5	<10	<10	<10	--	--	--	--	--	--	--	--
	12/30/1998	50.32	20.89	NP	29.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/2/1999	50.32	20.20	NP	30.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-6	5/10/1999	50.32	16.75	NP	33.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1999	50.32	22.55	NP	27.77	--	<50	<1	<1	<1	<1	--	--	--	--	--	--	--	--
	12/23/1999	50.32	23.00	NP	27.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2000	50.32	16.89	NP	33.43	--	1700	4.4	0.54	<0.5	1	--	--	--	--	--	--	--	--
	5/22/2000	50.32	18.02	NP	32.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2000	50.32	21.62	NP	28.7	--	1200	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/11/2000	50.32	21.81	NP	28.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2001	50.32	16.97	NP	33.35	--	3300	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	6/19/2001	50.32	19.30	NP	31.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2001	50.32	22.00	NP	28.32	--	2200	2.04	8.1	3.62	13.7	--	--	--	--	--	--	--	--
	12/27/2001	50.32	17.85	NP	32.47	--	830	0.59	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	2/28/2002	50.32	16.31	NP	34.01	--	1100	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	6/28/2002	50.32	17.57	NP	32.75	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	9/12/2002	50.32	19.27	NP	31.05	--	190	1.9	4.6	1	7.3	--	--	--	--	--	--	--	--
	12/12/2002	50.32	20.94	NP	29.38	--	270	<2.5	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	--
	3/10/2003	50.32	17.11	NP	33.21	--	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/12/2003	50.32	15.18	NP	35.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	8/27/2003	50.32	18.90	NP	31.42	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	--	--
	11/10/2003	50.32	20.13	NP	30.19	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	--	--
	2/3/2004	50.32	15.83	NP	34.49	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	5/4/2004	50.32	15.62	NP	34.7	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	8/31/2004	50.32	18.56	NP	31.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	11/23/2004	50.32	16.95	NP	33.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/18/2005	50.32	13.61	NP	36.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	6/29/2005	50.32	13.55	NP	36.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2005	50.32	16.52	NP	33.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/3/2005	50.32	19.28	NP	31.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2006	50.32	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/30/2006	50.32	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2006	50.32	17.15	NP	33.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/29/2006	50.32	19.50	NP	30.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/2007	50.32	15.81	NP	34.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/25/2007	50.32	16.38	NP	33.94	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/9/2007	50.32	19.15	NP	31.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/9/2007	50.32	20.70	NP	29.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2007	50.32	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/11/2008	50.32	15.08	NP	35.24	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<10	<100	<0.5	<0.5
	5/22/2008	50.32	17.07	NP	33.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2008	50.32	19.82	NP	30.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2008	50.32	21.58	NP	28.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/25/2009	50.32	17.34	NP	32.98	--	120	<0.50	<0.50	<0.50	<0.50	13	--	--	--	--	--	--	--
	5/21/2009	50.32	16.85	NP	33.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/14/2009	50.32	20.03	NP	30.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	50.32	15.31	NP	35.01	--	<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
	8/20/2010	50.32	16.60	NP	33.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/7/2011	50.32	14.86	NP	35.46	--	<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
	8/15/2011	50.32	16.07	NP	34.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/2012	43.64	17.83	NP	25.81	--	<50.0	<0.50	<0.50	<0.50	<1.5	0.66	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	8/31/2012	43.64	18.82	NP	24.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	43.64	15.53	NP	28.11	--	<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
MW-7	1/25/1995	51.40	21.67	NP	29.73	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/19/1995	51.40	25.27	NP	26.13	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	7/5/1995	51.40	24.63	NP	26.77	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	10/5/1995	51.40	28.21	NP	23.19	--	83	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--

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76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-7	1/12/1996	51.40	29.29	NP	22.11	--	63	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/22/1996	51.40	23.11	NP	28.29	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/2/1996	51.40	23.56	NP	27.84	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	11/8/1996	51.40	20.06	NP	31.34	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/3/1997	51.40	23.42	NP	27.98	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	4/28/1997	51.40	24.12	NP	27.28	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/1/1997	51.40	26.40	NP	25.00	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	10/2/1997	51.40	28.14	NP	23.26	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/9/1998	51.40	24.02	NP	27.38	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	5/6/1998	51.40	21.00	NP	30.40	--	1900	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/21/1998	51.40	21.17	NP	30.23	--	50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	12/30/1998	51.40	22.13	NP	29.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/2/1999	51.40	22.08	NP	29.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/10/1999	51.40	18.58	NP	32.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1999	51.40	24.29	NP	27.11	--	70	<1	<1	<1	<1	--	--	--	--	--	--	--	--
	12/23/1999	51.40	24.53	NP	26.87	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2000	51.40	18.58	NP	32.82	--	910	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/22/2000	51.40	19.49	NP	31.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2000	51.40	22.53	NP	28.87	--	440	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/11/2000	51.40	22.75	NP	28.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2001	51.40	18.79	NP	32.61	--	1100	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	6/19/2001	51.40	19.82	NP	31.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2001	51.40	21.35	NP	30.05	--	1300	1.21	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	12/27/2001	51.40	20.36	NP	31.04	--	510	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	2/28/2002	51.40	21.86	NP	29.54	--	250	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	6/28/2002	51.40	22.64	NP	28.76	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	9/12/2002	51.40	23.51	NP	27.89	--	<50	<0.5	<0.5	<0.5	1	--	--	--	--	--	--	--	--
	12/12/2002	51.40	23.75	NP	27.65	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	3/10/2003	51.40	21.25	NP	30.15	--	61	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/12/2003	51.40	21.44	NP	29.96	--	<100	<1	<1	<1	<1	--	--	--	--	--	--	--	--
	8/27/2003	51.40	23.30	NP	28.10	--	120	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	--	--
	11/10/2003	51.40	20.24	NP	31.16	--	230	<1	<1	<1	<1	--	<1	<1	<1	<40	<200	--	--
	2/3/2004	51.40	20.63	NP	30.77	--	<250	<2.5	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<100	<500	<2.5	<2.5
	5/4/2004	51.40	21.89	NP	29.51	--	<250	<2.5	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<100	<500	<2.5	<2.5
	8/31/2004	51.40	23.16	NP	28.24	--	<500	<5	<5	<5	<5	--	<5	<5	<5	<200	<1000	<5	<5
	11/23/2004	51.40	21.65	NP	29.75	--	590	<2.5	5	11	51	--	<2.5	<2.5	<2.5	<100	<500	<2.5	<2.5
	1/18/2005	51.40	16.28	NP	35.12	--	<250	<2.5	<2.5	<2.5	2.5	--	<2.5	<2.5	<2.5	<100	<500	<2.5	<2.5
	6/29/2005	51.40	14.50	NP	36.90	--	2200	43	97	92	390	--	<2.5	<2.5	<2.5	<100	<500	<2.5	<2.5
	9/1/2005	51.40	20.41	NP	30.99	--	<500	<5	<5	<5	<5	--	<5	<5	<5	<200	<1000	<5	<5
	11/3/2005	51.40	21.00	NP	30.40	--	130	<1	<1	<1	1	--	<1	<1	<1	<40	<200	<1	<1
	2/14/2006	51.40	16.31	NP	35.09	--	100	<0.5	<0.5	<0.5	0.87	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/30/2006	51.40	17.58	NP	33.82	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	8/29/2006	51.40	18.64	NP	32.76	--	100	<2.5	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<100	<1500	<2.5	<2.5
	11/29/2006	51.40	20.35	NP	31.05	--	84	<2.5	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<100	<1500	<2.5	<2.5
	2/20/2007	51.40	17.09	NP	34.31	--	160	<2.5	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<100	<1500	<2.5	<2.5
	5/25/2007	51.40	17.20	NP	34.20	--	70	<1	<1	<1	<1	--	<1	<1	<1	<40	<600	<1	<1
	8/9/2007	51.40	19.95	NP	31.45	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	11/9/2007	51.40	23.28	NP	28.12	--	61	<0.5	<0.5	<0.5	1.3	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	12/14/2007	38.99	23.07	NP	15.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/11/2008	38.99	17.21	NP	21.78	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<10	<100	<0.5	<0.5
	5/22/2008	38.99	17.55	NP	21.44	--	200	<1	<1	<1	<1	--	<1	<1	<1	<20	<600	<1	<1
	8/25/2008	38.99	20.55	NP	18.44	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
MW-7	12/17/2008	38.99	21.86	NP	17.13	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
	8/14/2009	38.99	20.31	NP	18.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/20/2010	38.99	16.82	NP	22.17	--	<50.0	<0.50	<0.50	<0.50	<1.5	17.2	<0.50	<0.50	<0.50	9.8	<250	<1.0	<1.0
	8/15/2011	38.99	16.28	NP	22.71	--	<50.0	<0.50	<0.50	<0.50	<1.5	14.8	<0.50	<0.50	<0.50	13.1	<250	<1.0	<1.0
	2/20/2012	44.21	18.48	NP	25.73	--	<50.0	<0.50	<0.50	<0.50	<1.5	9.6	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	6/27/2012	44.21	16.70	NP	27.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2012	44.21	19.39	NP	24.82	--	<50	<0.50	<0.50	<0.50	<0.50	20	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
	2/5/2013	44.21	15.83	NP	28.38	--	<50	<0.50	<0.50	<0.50	<0.50	25	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-8	1/25/1995	50.88	31.59	NP	19.29	--	54	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/19/1995	50.88	19.18	NP	31.70	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	7/5/1995	50.88	19.03	NP	31.85	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	10/5/1995	50.88	24.40	NP	26.48	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	1/12/1996	50.88	25.51	NP	25.37	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/22/1996	50.88	18.00	NP	32.88	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/2/1996	50.88	19.83	NP	31.05	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	11/8/1996	50.88	20.09	NP	30.79	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/3/1997	50.88	19.72	NP	31.16	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	4/28/1997	50.88	20.44	NP	30.44	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/1/1997	50.88	22.72	NP	28.16	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	10/2/1997	50.88	24.51	NP	26.37	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/9/1998	50.88	21.17	NP	29.71	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	5/6/1998	50.88	18.34	NP	32.54	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/21/1998	50.88	18.55	NP	32.33	--	90	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	12/30/1998	50.88	20.40	NP	30.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/2/1999	50.88	19.28	NP	31.60	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/10/1999	50.88	15.62	NP	35.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1999	50.88	21.74	NP	29.14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/1999	50.88	22.83	NP	28.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2000	50.88	16.25	NP	34.63	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/22/2000	50.88	17.06	NP	33.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2000	50.88	21.72	NP	29.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/11/2000	50.88	22.03	NP	28.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2001	50.88	16.23	NP	34.65	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	6/19/2001	50.88	19.35	NP	31.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2001	50.88	21.95	NP	28.93	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/27/2001	50.88	16.98	NP	33.90	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/28/2002	50.88	15.38	NP	35.50	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	6/28/2002	50.88	16.97	NP	33.91	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/12/2002	50.88	19.47	NP	31.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/12/2002	50.88	20.84	NP	30.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/10/2003	50.88	16.56	NP	34.32	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/12/2003	50.88	13.63	NP	37.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/27/2003	50.88	18.90	NP	31.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/10/2003	50.88	19.68	NP	31.20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/3/2004	50.88	14.76	NP	36.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	5/4/2004	50.88	14.69	NP	36.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2004	50.88	18.08	NP	32.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/2004	50.88	15.77	NP	35.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/18/2005	50.88	12.04	NP	38.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	6/29/2005	50.88	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2005	50.88	16.12	NP	34.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/3/2005	50.88	19.42	NP	31.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2006	50.88	12.43	NP	38.45	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/30/2006	50.88	12.40	NP	38.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2006	50.88	17.16	NP	33.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-8	11/29/2006	50.88	19.35	NP	31.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/2007	50.88	14.57	NP	36.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	5/25/2007	50.88	16.11	NP	34.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/9/2007	50.88	19.25	NP	31.63	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/9/2007	50.88	20.92	NP	29.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2007	38.44	21.26	NP	17.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/12/2008	38.44	14.00	NP	24.44	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<10	<100	<0.5	<0.5
	5/22/2008	38.44	16.86	NP	21.58	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2008	38.44	19.92	NP	18.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2008	38.44	21.45	NP	16.99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/25/2009	38.44	16.19	NP	22.25	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	5/21/2009	38.44	16.10	NP	22.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/14/2009	38.44	20.17	NP	18.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	38.44	15.33	NP	23.11	--	<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
	8/20/2010	38.44	16.29	NP	22.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/7/2011	38.44	14.35	NP	24.09	--	<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
	8/15/2011	38.44	15.83	NP	22.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/2012	44.18	17.50	NP	26.68	--	<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
	8/31/2012	44.18	18.81	NP	25.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	44.18	15.00	NP	29.18	--	<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
MW-9	1/25/1995	51.05	22.32	NP	28.73	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/19/1995	51.05	19.86	NP	31.19	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	7/5/1995	51.05	20.78	NP	30.27	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	10/5/1995	51.05	24.33	NP	26.72	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	1/12/1996	51.05	25.44	NP	25.61	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/22/1996	51.05	18.01	NP	33.04	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/2/1996	51.05	19.70	NP	31.35	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	11/8/1996	51.05	19.96	NP	31.09	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/3/1997	51.05	19.52	NP	31.53	--	<250	<2.5	<5	<5	<5	--	--	--	--	--	--	--	--
	4/28/1997	51.05	20.22	NP	30.83	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/1/1997	51.05	22.59	NP	28.46	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	10/2/1997	51.05	24.33	NP	26.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/1997	51.05	NG	NG	NG	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	1/9/1998	51.05	21.11	NP	29.94	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	5/6/1998	51.05	18.26	NP	32.79	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/21/1998	51.05	18.46	NP	32.59	--	70	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	12/30/1998	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/2/1999	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/10/1999	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1999	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/23/1999	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2000	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/22/2000	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2000	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/11/2000	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2001	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/19/2001	51.05	NG	NG	NG	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2001	51.05	22.20	NP	28.85	--	6300	2.87	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	12/27/2001	51.05	18.92	NP	32.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/28/2002	51.05	17.22	NP	33.83	--	19000	1560	61.3	84	111	--	--	--	--	--	--	--	--
	6/28/2002	51.05	18.20	NP	32.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/12/2002	51.05	19.92	NP	31.13	--	5100	570	180	<25	220	--	--	--	--	--	--	--	--
	12/12/2002	51.05	21.78	NP	29.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/10/2003	51.05	18.25	NP	32.80	--	26000	2500	<100	<100	<100	--	--	--	--	--	--	--	--
	5/12/2003	51.05	16.29	NP	34.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/27/2003	51.05	19.69	NP	31.36	--	11000	830	<50	<50	<50	--	<50	<50	<50	<2000	<10000	--	--

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76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-9	11/10/2003	51.05	19.97	NP	31.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/3/2004	51.05	17.23	NP	33.82	--	6200	180	<50	<50	<50	--	<50	<50	<50	<2000	<10000	<50	<50
	5/4/2004	51.05	17.17	NP	33.88	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2004	51.05	19.71	NP	31.34	--	<2500	210	<25	<25	<25	--	<25	<25	<25	<1000	<5000	<25	<25
	11/23/2004	51.05	18.58	NP	32.47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1/18/2005	51.05	14.98	NP	36.07	--	490	32	<2.5	<2.5	8.9	--	<2.5	<2.5	<2.5	150	<500	<2.5	<2.5
	6/29/2005	51.05	14.74	NP	36.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/1/2005	51.05	17.42	NP	33.63	--	3500	1300	<25	<25	28	--	<25	<25	<25	2700	<5000	<25	<25
	11/3/2005	51.05	19.90	NP	31.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/14/2006	51.05	12.95	NP	38.10	--	2700	<25	<25	<25	<25	--	<25	<25	<25	<1000	<15000	<25	<25
	5/30/2006	51.05	13.76	NP	37.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2006	51.05	17.86	NP	33.19	--	1200	580	<25	<25	<25	--	<25	<25	<25	2100	<15000	<25	<25
	11/29/2006	51.05	20.25	NP	30.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/2007	51.05	16.91	NP	34.14	--	780	66	1.5	2	1.4	--	<1	<1	<1	380	<600	<1	<1
	5/25/2007	51.05	17.28	NP	33.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/9/2007	51.05	19.71	NP	31.34	--	650	150	<0.5	<0.5	2	--	<0.5	<0.5	<0.5	790	<300	<0.5	<0.5
	11/9/2007	51.05	21.62	NP	29.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2007	38.63	21.66	NP	16.97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/12/2008	38.63	16.30	NP	22.33	--	890	27	2.5	28	5.4	--	<0.5	<0.5	<0.5	37	<100	<0.5	<0.5
	5/22/2008	38.63	18.10	NP	20.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/25/2008	38.63	20.93	NP	17.70	--	180	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	75	<300	<0.5	<0.5
	12/17/2008	38.63	22.86	NP	15.77	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/25/2009	38.63	18.78	NP	19.85	--	600	11	0.86	1.1	2.2	<0.50	--	--	--	--	--	--	--
	5/21/2009	38.63	17.95	NP	20.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/14/2009	38.63	20.81	NP	17.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	38.63	16.71	NP	21.92	--	<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
	8/20/2010	38.63	17.22	NP	21.41	--	137	26.5	<0.50	<0.50	<1.5	0.91	<0.50	<0.50	<0.50	92.5	<250	<1.0	<1.0
	2/7/2011	38.63	16.18	NP	22.45	--	78.5	1.6	<0.50	<0.50	<1.5	0.64	<0.50	<0.50	<0.50	27.6	<250	<1.0	<1.0
	8/15/2011	38.63	VO	VO	VO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/2012	44.35	18.88	NP	25.47	--	204	43.2	<0.50	<0.50	<1.5	<0.50	<0.50	<0.50	<0.50	59.1	<250	<1.0	<1.0
	8/31/2012	44.35	19.68	NP	24.67	--	<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
	9/27/2012	44.35	20.25	NP	24.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	44.35	16.44	NP	27.91		<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
MW-10	1/9/1998	NSVD	20.97	NP	--	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	5/6/1998	NSVD	18.07	NP	--	--	800	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/21/1998	NSVD	18.28	NP	--	--	80	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	12/30/1998	NSVD	22.22	NP	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/2/1999	NSVD	21.83	NP	--	--	940	<10	<10	<10	<10	--	--	--	--	--	--	--	--
	5/10/1999	NSVD	17.99	NP	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/1999	NSVD	22.61	NP	--	--	<50	<1	<1	<1	1.4	--	--	--	--	--	--	--	--
	12/23/1999	NSVD	23.75	NP	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/27/2000	NSVD	18.83	NP	--	--	1900	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	5/22/2000	NSVD	19.47	NP	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/31/2000	NSVD	22.64	NP	--	--	1700	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/11/2000	NSVD	22.84	NP	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/20/2001	NSVD	19.57	NP	--	--	16000	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	6/19/2001	NSVD	20.63	NP	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20/2001	NSVD	23.07	NP	--	--	5800	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--	--	--	--
	12/27/2001	NSVD	20.92	NP	--	--	6600	17.3	14.5	<12.5	<25	--	--	--	--	--	--	--	--
	2/28/2002	NSVD	18.52	NP	--	--	3600	10.8	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	6/28/2002	NSVD	18.41	NP	--	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	9/12/2002	NSVD	20.57	NP	--	--	660	<5	<5	<5	<5	--	--	--	--	--	--	--	--
	12/12/2002	NSVD	22.80	NP	--	--	1400	<5	<5	<5	<5	--	--	--	--	--	--	--	--
	3/10/2003	NSVD	19.26	NP	--	--	1700	<5	<5	5.3	15	--	--	--	--	--	--	--	--
	5/12/2003	NSVD	17.90	NP	--	--	1500	<12	<12	<12	<12	--	--	--	--	--	--	--	--
	8/27/2003	NSVD	20.82	NP	--	--	4100	<25	<25	<25	<25	--	<25	<25	<25	<1000	<5000	--	--
	11/10/2003	NSVD	21.92	NP	--	--	<5000	<50	<50	<50	<50	--	<50	<50	<50	<2000	<10000	--	--

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
MW-10	2/3/2004	NSVD	18.52	NP	--	--	5100	<50	<50	<50	<50	--	<50	<50	<50	<2000	<10000	<50	<50
	5/4/2004	NSVD	17.63	NP	--	--	<2500	<25	<25	<25	<25	--	<25	<25	<25	<1000	<5000	<25	<25
	8/31/2004	NSVD	20.67	NP	--	--	<5000	<50	<50	<50	<50	--	<50	<50	<50	<2000	<10000	<50	<50
	11/23/2004	NSVD	19.79	NP	--	--	2600	<25	<25	<25	<25	--	<25	<25	<25	<1000	<5000	<25	<25
	1/18/2005	NSVD	16.13	NP	--	--	560	<5	<5	<5	<5	--	<5	<5	<5	<200	<1000	<5	<5
	6/29/2005	NSVD	15.56	NP	--	--	110	1.9	4.6	4.2	17	--	<0.5	<0.5	<0.5	<20	<100	<0.5	<0.5
	9/1/2005	NSVD	18.10	NP	--	--	<250	<2.5	<2.5	<2.5	<2.5	--	<2.5	<2.5	<2.5	<100	<500	<2.5	<2.5
	11/3/2005	NSVD	20.90	NP	--	--	800	<5	<5	<5	7	--	<5	<5	<5	<200	<1000	<5	<5
	2/14/2006	NSVD	15.58	NP	--	--	600	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	1.2	34	<300	<0.5	<0.5
	5/30/2006	NSVD	14.70	NP	--	--	95	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<20	<300	<0.5	<0.5
	8/29/2006	NSVD	18.69	NP	--	--	250	<5	<5	<5	<5	--	<5	<5	<5	<200	<3000	<5	<5
	11/29/2006	NSVD	21.35	NP	--	--	650	<5	<5	<5	<5	--	<5	<5	5.8	<200	<3000	<5	<5
	2/20/2007	NSVD	18.65	NP	--	--	720	<5	<5	<5	<5	--	<5	<5	<5	<200	<3000	<5	<5
	5/25/2007	NSVD	18.15	NP	--	--	130	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	0.69	<20	<300	<0.5	<0.5
	8/9/2007	NSVD	20.83	NP	--	--	970	<10	<10	<10	<10	--	<10	<10	<10	<400	<6000	<10	<10
	11/9/2007	NSVD	22.53	NP	--	--	1100	<10	<10	<10	13	--	<10	<10	<10	<400	<6000	<10	<10
	12/14/2007	40.45	22.62	NP	17.83	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/11/2008	40.45	17.86	NP	22.59	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	2.6	<10	<100	<0.5	<0.5
	5/22/2008	40.45	19.05	NP	21.40	--	81	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
	8/25/2008	40.45	21.88	NP	18.57	--	<50	<0.5	1	<0.5	0.98	--	<0.5	<0.5	2.2	<10	<300	<0.5	<0.5
	12/17/2008	40.45	23.32	NP	17.13	--	<50	<20	<20	<20	<20	--	<20	<20	<20	<400	<12000	<20	<20
	2/25/2009	40.45	20.07	NP	20.38	--	84	<5.0	<5.0	<5.0	<5.0	290	--	--	--	--	--	--	--
	5/21/2009	40.45	18.80	NP	21.65	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--	--	--
	8/14/2009	40.45	21.76	NP	18.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	40.45	17.80	NP	22.65	--	<50.0	<0.50	<0.50	<0.50	<1.5	21.9	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	8/20/2010	40.45	18.64	NP	21.81	--	<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
	2/7/2011	40.45	17.02	NP	23.43	--	<50.0	<0.50	<0.50	<0.50	<1.5	0.53	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	8/15/2011	40.45	17.76	NP	22.69	--	<50.0	<0.50	<0.50	<0.50	<1.5	13.8	<0.50	<0.50	<0.50	13.1	<250	<1.0	<1.0
	2/20/2012	46.17	20.00	NP	26.17	--	<50.0	<0.50	<0.50	<0.50	<1.5	65.1	<0.50	<0.50	<0.50	5.3	<250	<1.0	<1.0
	8/31/2012	46.17	20.79	NP	25.38	--	<50	<0.50	<0.50	<0.50	<0.50	57	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
	2/5/2013	46.17	17.59	NP	28.58		<50	<0.50	<0.50	<0.50	<0.50	3.1	<0.50	<0.50	<0.50	<5.0	<5.0	<0.50	<0.50
MW-11	12/14/2007	37.64	20.16	NP	17.48	--	8000	<10	72	230	760	--	<10	<10	<10	<400	<6000	<10	<10
	2/12/2008	37.64	14.35	NP	23.29	--	5500	46	13	220	160	--	<2.5	<2.5	<2.5	<50	<500	<2.5	<2.5
	5/22/2008	37.64	16.63	NP	21.01	--	5700	80	21	320	150	--	<5	<5	<5	<100	<3000	<5	<5
	8/25/2008	37.64	19.48	NP	18.16	--	5300	<5	20	120	320	--	<5	<5	<5	<100	<3000	<5	<5
	12/17/2008	37.64	21.26	NP	16.38	--	12000	2.4	2.6	30	54	--	<0.5	<0.5	<0.5	<10	<300	<0.5	<0.5
	2/25/2009	37.64	16.38	NP	21.26	--	6800	0.86	20	150	390	<0.50	--	--	--	--	--	--	--
	5/21/2009	37.64	16.16	NP	21.48	--	2500	1.5	4.4	36	82	1.5	--	--	--	--	--	--	--
	8/14/2009	37.64	19.27	NP	18.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/10/2010	37.64	13.35	NP	24.29	--	820	0.53	0.86	9.0	15.4	1.4	<0.50	<0.50	<0.50	6.1	<250	<1.0	<1.0
	8/20/2010	37.64	15.66	NP	21.98	--	1740	0.52	1.4	16.5	26.1	1.2	<0.50	<0.50	<0.50	8.2	<250	<1.0	<1.0
	2/7/2011	37.64	13.55	NP	24.09	--	1530	<0.50	1.3	14.3	24.1	1.1	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	8/15/2011	37.64	14.58	NP	23.06	--	1530	<0.50	0.80	9.2	8.0	<0.50	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	2/20/2012	43.34	16.24	NP	27.10	--	2180	0.65	3.5	48.9	70.6	0.73	<0.50	<0.50	<0.50	<5.0	<250	<1.0	<1.0
	6/27/2012	43.34	15.4	NP	27.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2012	43.34	17.61	NP	25.73	--	1800	<0.50	2.3	40	46	0.58	<0.50	<0.50	<0.50	5.1	<5.0	<0.50	<0.50
	9/27/2012	43.34	18.45	NP	24.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/5/2013	43.34	14.30	NP	29.04		870	<0.50	<0.50	8.5	8.4	<0.50	<0.50	<0.50	<0.50	<5.0	<8.0	<0.50	<0.50

TABLE 3
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT 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)	DRO (ug/L)	GRO (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)
QC-2	9/15/1992	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/15/1992	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	3/15/1993	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	6/7/1993	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	9/24/1993	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/27/1993	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	4/5/1994	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	7/22/1994	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	10/13/1994	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	1/25/1995	NSVD	NG	NG	NG	--	<50	<0.5	2	0.6	1	--	--	--	--	--	--	--	--
	4/19/1995	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	7/5/1995	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
QC-2	10/5/1995	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	1/12/1996	NSVD	NG	NG	NG	--	<50	<0.5	<0.5	<0.5	<1	--	--	--	--	--	--	--	--
	4/22/1996	NSVD	NG	NG	NG	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--
	7/2/1996	NSVD	NG	NG	NG	--	<50	<0.5	<1	<1	<1	--	--	--	--	--	--	--	--

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
VO - Vehicle Obstruction
NSVD - Not surveyed
-- - No information available
[1] - Sample taken pre-purge.
[2] - Sample taken post-purge.

Analytical Notes:
-- - No information available
< - Not detected at or above indicated laboratory reporting limit
NS - Well not sampled.
ug/L - micrograms/liter
DRO- diesel range organics
GRO- gasoline range organics
MTBE- Methyl tertiary-butyl ether
TBA- Tertiary-butyl alcohol
DIPE- Di-isopropyl ether
ETBE- Ethyl tertiary-butyl ether
TAME- Tertiary-amyl methyl ether

TABLE 3a
ADDITIONAL HISTORICAL GROUNDWATER ANALYTICAL DATA
76 (FORMERLY BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUND WATER ANALYTICAL DATA																					
		Alkalinity, Total as CaCO3 (mg/L)	Biochemical Oxygen Demand (ug/L)	Chemical Oxygen Demand (ug/L)	Chloride (ug/L)	Chromium (ug/L)	Chromium, Hexavalent (ug/L)	Iron SW6010B D (mg/L)	Iron SW6010B T (mg/L)	Iron, Ferric (ug/L)	Iron, Ferrous (ug/L)	m,p-Xylenes (ug/L)	Methane (ug/L)	Nitrate as N (ug/L)	Nitrite as N (ug/L)	Nitrogen (ug/L)	Nitrogen, Ammonia (ug/L)	Nitrogen, NO2 plus NO3 (ug/L)	o-Xylene (ug/L)	Phosphate, Ortho (ug/L)	Phosphorous (ug/L)	Sulfate (ug/L)	Sulfide (mg/L)	Total Organic Carbon (ug/L)
DPE-1	8/15/2011	--	4560	27900	25200	0.66	<0.2	11100	--	9490	1600	--	1500	108	13.1	<1000	<100	121	--	219	236	14300	1040	3640
DPE-4	8/15/2011	--	55000	113000	26400	4	<0.2	10800	--	3230	7600	--	16100	<50.0	39.6	1770	<100	62.1	--	502	732	<1000	1080	14000
DPE-5	8/15/2011	--	21200	53900	32100	28	<0.2	20500	--	14000	6500	--	13900	<50.0	28.8	1320	<100	<50.0	--	240	134	<1000	1600	9360
EX-1	8/15/2011	--	8680	29800	19100	2.9	<0.2	1420	--	<100	1400	--	5040	52.9	<10.0	1120	185	59.7	--	148	107	3830	1080	11600
	2/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2012	--	--	--	--	--	--	0.77	--	--	<100	--	1670	<0.10	--	--	--	--	--	--	--	<500	--	--
EX-2	8/15/2011	--	579000	7420	17100	2.2	<0.2	932	--	932	<100	--	208	12100	<10.0	<1000	<100	12100	--	162	106	17600	760	2010
	2/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2012	--	--	--	--	--	--	<0.10	--	--	<100	--	<1.00	43,000	--	--	--	--	--	--	--	28,000	--	--
MW-4	3/7/2012	525	--	63000	--	--	--	2.08	4.55	--	--	890	5870	--	--	--	--	--	200	--	--	--	<0.050	7,800
	3/19/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/27/2012	742	--	120000	--	--	--	2.23	4.89	--	--	--	5020	<100	--	--	--	--	--	--	--	13,000	0.20	25,00
	5/29/2012	496	--	100000	--	--	--	3.88	5.62	--	--	2000	4300	<100	--	--	--	--	570	--	--	<1000	0.25	63,00
	6/27/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2012	556	--	520	--	--	--	6.57	27.1	--	--	--	4340	<100	--	--	--	--	--	--	--	1000	0.2	73,00
MW-9	9/27/2012	--	--	--	--	--	--	<0.10	--	--	<100	--	38.6	3000	--	--	--	--	--	--	--	38,000	--	--
MW-11	9/27/2012	--	--	--	--	--	--	1.6	--	--	1800	--	1770	<0.10	--	--	--	--	--	--	--	11,000	--	--

Analytical Notes:
-- - No information available
< - Not detected at or above indicated laboratory reporting limit
µg/L - micrograms/liter
TPH-g - Gasoline range organics
GC/MS - Gas Chromatograph/Mass Spectrometer

Appendix A

Site Details and Summary of Previous Environmental Investigations

SITE LOCATION AND BACKGROUND

The Site is an active 76-brand gasoline retail outlet located on the northern corner of Bancroft Avenue and 73rd Avenue at 7210 Bancroft Avenue in Oakland, Alameda County, California. The site consists of a service station building, three 12,000-gallon gasoline underground storage tanks (USTs), and one 10,000-gallon diesel UST with associated piping and dispensers. The site is covered with asphalt or concrete surfacing except for planters along the southeastern and southwestern property boundaries and at the north corner of the property.

Land use in the immediate vicinity of the site is mixed commercial and residential. BP acquired the facility from Mobil Oil Corporation in 1989. In January 1994, BP transferred the property to TOSCO Marketing Company (TOSCO) and has not operated the facility since that time.

SUMMARY OF PREVIOUS ENVIRONMENTAL INVESTIGATIONS

1984 UST Replacement: In 1984, the pre-existing USTs at the site were removed and three single-walled fiberglass gasoline USTs (6,000-gallon, 10,000-gallon, and 12,000-gallon) and one 6,000-gallon diesel UST were installed in a cavity immediately to the northeast of the former USTs. A UST removal/installation report is not on file, and it is unknown if one was ever prepared. No documentation was reportedly found referencing the conditions of the removed USTs or reporting evidence of the hydrocarbon impacts in the soil and groundwater, if any, at the time of the UST removal.

1989 Phase II Environmental Audit: In December 1989, Hunter Environmental Services, Inc. (Hunter) performed a Phase II Environmental Audit on the adjacent Eastmont Town Center site located to the north and northwest of the former BP Site. Part of the Phase II study included the installation monitoring well MW-3 near the western boundary of the former BP Site. Soil samples collected from 10 and 20 feet below ground surface (bgs) from MW-3 were analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethyl benzene, and total xylenes (BTEX), and oil and grease. No analytes were reported above their respective laboratory reporting limits (LRLs). A groundwater sample collected from MW-3 was reported to contain TPH and benzene at concentrations of 2,700 micrograms per liter (µg/L) and 530 µg/L, respectively (Hunter, 1989).

1991 Phase I Subsurface Investigation: In December 1991, Hydro Environmental Technologies, Inc. (Hydro) drilled two on-site soil borings (MW-1 and MW-2) to total depths of 40 feet bgs, and soil samples were collected at 10-foot intervals between 5 and 25 feet bgs. First groundwater was encountered at approximately 30 feet bgs. The analytical results of the soil samples from MW-1 and MW-2 reported total petroleum hydrocarbons as gasoline (TPH-g) and BTEX at concentrations below their respective LRLs (Hydro, 1991).

1992 Phase I Subsurface Investigation: In July 1992, Hydro advanced boring MW-4 and MW-6 to total depths of 40 feet bgs, and boring B-5 was advanced to 50 feet bgs, First groundwater was encountered at approximately 30 feet bgs in borings MW-4 and MW-6, and no free water was encountered in boring B-5. The analytical results of soil samples collected at 30 feet bgs from B-5 and MW-6 reported TPH-g and BTEX at concentrations below their respective LRLs. The maximum TPH-g and BTEX concentrations in soil reported in MW-4 were 6,000 milligrams per kilogram (mg/kg) and 34 mg/kg, respectively, from a depth of 20 feet bgs. Borings MW-4 and MW-6 were subsequently converted into monitoring wells (Hydro, 1992).

1994 Baseline Assessment Report: In September 1994, EMCON performed a Supplemental Site Assessment at the site. Four exploratory soil borings (THP-1, TB-2, TB-3, TB-4) were advanced to a maximum depth of 45 feet bgs north of the

former and existing UST complexes (THP-1), at the former service bays (TB-2), north of the northern pump island (TB-3), and at a former pump island (TB-4). Additionally, one soil sample was collected from beneath each of the five dispensers (TD-1 through TD-5). Groundwater was encountered in TB-2 and TB-3 at approximately 33 to 36 feet bgs and groundwater samples were collected from TB-2 and TB-3 via temporarily well points. Maximum concentrations of 16 mg/kg TPH-g (TD-3), TPH as diesel (TPH-d) at concentrations ranging from 110 mg/kg to 5,000 mg/kg (TD-1 through TD-5), and benzene at concentrations below LRLs were reported in soil samples. TPHg was not reported above the LRLs and a maximum concentration of 0.7 µg/L benzene (TB-3) was reported in groundwater samples (EMCON, 1994).

1994 Well Installation: In October 1994, Hydro advanced boring MW-7 to a total depth of 45 feet bgs, and borings MW-8 and MW-9 were advanced to total depths of 40 feet bgs. First encountered groundwater was at approximately 27 feet bgs to 32 feet bgs. TPH-g and BTEX were not detected above their respective LRLs in soil samples collected from 25 feet bgs in each boring. The three borings were subsequently converted into monitoring wells MW-7 through MW-9 (Hydro, 1995).

1997 Offsite Well Installation: In July 1997, Pacific Environmental Group (PEG) drilled one boring (MW-10) offsite to a depth of approximately 37.5 feet bgs. Soil samples were collected and the boring was subsequently converted into a monitoring well. First groundwater was encountered at approximately 26 feet bgs. No TPH-g, BTEX or methyl tertiary butyl ether (MTBE) was detected in soil samples at concentrations above their respective LRLs in MW-10. TPH-g and BTEX were not detected in the groundwater sample from MW-10 at concentrations above their respective LRLs. However, MTBE was detected at concentration of 13 µg/L using EPA Method 8020 (PEG, 1997).

1998 UST and Associated Piping and Dispenser Removal: In August 1998, Environmental Resolutions, Inc. (ERI) removed the three gasoline USTs (6,000-gallon, 10,000-gallon, and 12,000-gallon), one 6,000-gallon diesel UST, and associated dispensers and piping from the site. There was no visible evidence of leakage from the USTs removed. A total of eight native soil samples were collected from beneath each end of the removed USTs (denoted as A through H on **Figure 2**) at depths of 14 to 16 feet bgs, and a total of 18 soil samples (denoted as I through Z on **Figure 2**) were collected from the former dispenser locations and from beneath the associated product lines at three feet bgs (ERI, 1998).

TPH-g was reported in five of the eight UST excavation samples at concentrations ranging from 3.7 mg/kg (S-15-T2S) to 5,300 mg/kg (S-15-T1S). TPH-d was detected at 630 mg/kg (S-15-T1N) and 800mg/kg (S-15 T1S) into two samples, benzene concentrations ranged between 0.40 mg/kg (S-15-T1N) to 0.95 mg/kg (S-16-T3N) in three samples, MTBE concentrations ranged between 0.028 mg/kg (S-14-T4S) to 5.3 mg/kg (S-16-T3N) in seven samples, and lead was not reported in the sample analyzed for lead. TPH-g was reported in nine of the eighteen dispenser and product line samples with concentrations ranging between 1.4 mg/kg (S-3-PL12) to 7,200 mg/kg (S-3-D4). TPH-d was detected between 4.8 mg/kg (S-3-PL12) to 190 mg/kg (S-3-PL11) in five samples, benzene was detected between 0.0089 mg/kg (S-3-PL12) to 22 mg/kg (S-3-D4) in three samples and MTBE was detected between 0.048 mg/kg (S-3-PL12) to 15 mg/kg (S-3-PL1) in ten samples (ERI, 1998).

During the 1998 UST replacement activities, approximately 389 tons of soil and backfill were transported off-site disposal. The existing 10,000-gallon diesel and three 12,000-gallon gasoline USTs were installed as replacements (ERI, 1998).

1999 Groundwater Recovery Test: In April 1999, Alisto Engineering Group (Alisto) conducted groundwater recovery tests on wells MW-1 through MW-4, MW-6, MW-7 and MW-10 to assess the spatial variation in hydraulic conductivity in the

shallow water-bearing zone across the Site. Testing by the Bouwer-Rice method yielded hydraulic conductivities of 2.46 x 10^{-2} ft/min for MW-1, 2.42 x 10^{-4} ft/min for MW-2, 3.82 x 10^{-4} ft/min for MW-3, 5.75 x 10-4 ft/min for MW-4, 1.99 x 10^{-2} ft/min for MW-6 1.09 x 10^{-4} ft/min for MW-7 and 8.78 x 10^{-5} ft/min for MW-10. The geometric mean of the hydraulic conductivity and flow velocity values were calculated to be 1.37 x 10-5 feet per second and 73.85 feet per year, respectively (Alisto, 1999).

1999 Extraction Well Installation: In November 1999, Cambria Environmental Technology, Inc. (Cambria) installed two 4-inch diameter wells (EX-1 and EX-2) on-site to facilitate potential remedial activities at the site. Well EX-1 was drilled to 39.5 feet bgs and EX-2 was drilled to 36.5 feet bgs. Groundwater was first encountered at 26 feet bgs. No TPH-G or BTEX, and relatively low MTBE concentrations (below 0.012 mg/kg) were reported in soil samples collected from EX-1 and EX-2 (Cambria, 2000).

2000 Interim Remedial Action and Recovery Testing: Between March 16 and April 30, 2000, Cambria conducted interim remedial activities at the site to evaluate the effectiveness of hydrocarbon and MTBE reduction using short-term groundwater extraction. During eight extraction events, approximately 10,900 gallons of groundwater was extracted from wells EX-1, EX-2 and MW-2. During the extraction events, stable to slightly decreasing hydrocarbon and MTBE concentration trends were reported in samples collected from wells MW-2 and EX-1, located immediately southwest of the existing USTs. Samples from well EX-2, located north of the existing USTs, exhibited lower hydrocarbon and MTBE concentrations than MW-2 and EX-1. In April 2000, during the batch extraction events, recovery tests were conducted on wells EX-1, EX-2 and MW-2. Based on the recovery test measurements, the calculated hydraulic conductivity values ranged from 1.85 x 10^{-4} ft/min to 8.33 x 10^4 ft/min with resulting flow velocities of 16 ft/year to 73 ft/year at well MW-2 (Cambria, 2000).

The calculated hydraulic conductivity values ranged from 2.02 x 10^{5} ft/min to 3.85 x 10^{-5} ft/min for well EX-1 with resulting flow velocities of 1.8 to 3.4 Ft/yr. And a well EX-2, the calculated hydraulic conductivity values ranged from 3.04 x 10^{-4} ft/min to 2.13 x 10^{-3} ft/min for resulting flow velocities of 27 ft/year to 187 ft/year. The geometric mean of these values is a hydraulic conductivity of 3.0 x 10^{-4} ft/min and resulting flow velocity of 26 ft/year (Cambria, 2000).

2001 Dual-Phase Extraction Pilot Test: From October 29, through November 2, 2001, Cambia performed a dual phase soil vapor and groundwater extraction (DPE) pilot test on the monitoring wells with the highest historical hydrocarbon concentrations (i.e., MW-2 and MW-4) and the extraction wells (EX-1 and EX-2) at the site. The DPE test results indicated that the vacuum influence was limited to within 18 to 28 feet of the extraction well. Water levels typically decreased several feet in the extraction wells and had a varied response in the observation wells. Estimated vapor-phase removal rates were approximately 200-pounds of hydrocarbon per day in wells MW-4 and EX-1, and less than 5-pounds of hydrocarbon per day in wells MW-2 and EX-2 (Cambria 2002).

Soil vapor concentrations showed a decreasing trend in wells MW-4 and EX-1 during the short-term pilot tests. Grab water samples collected before and after the pilot tests remained the same order of magnitude. A total of 6,500 gallons of water was extracted during the DPE pilot test and appropriately disposed off-site. Overall, the test results indicated that DPE is a feasible remedial alternative for the site (Cambria, 2002). Alameda County Environmental Health (ACEH) approved Cambria's August 8, 2002, *Dual Phase Extraction Pilot Test Report* as a Corrective Action Plan (CAP).

2005 Soil and Water Investigation: In Fall 2005, URS completed nine Geoprobe soil borings with co-located Hydropunch borings. The first phase of work was on-site source area characterization: five boring locations (A-1 through A-5) were advanced in the vicinity of the possible hydrocarbons source areas such as locations of former and current USTs, products dispensers, and in the vicinity of MW-4 to adequately characterize the lateral and vertical extent of petroleum hydrocarbons in soils in the identified source areas. An off-site assessment was completed during the second phase of work (borings A-7 through A-10) to further define the downgradient, cross-gradient, and up-gradient extent of the groundwater plume (soil boring A-6 was unable to be advanced due to close proximity to electric lines and product piping). Maximum concentrations of gasoline range organics (GRO), benzene, and MTBE were detected in soil at concentrations of 490 mg/kg [A-4 (23.5-24')], 0.11 mg/kg [A-5 (35-35.5')], and 0.84 mg/kg [A-1 (46-46.5')], respectively. Maximum concentrations of GRO, benzene, and MTBE were detected in ground water at concentrations of 510,000 µg/L [A-2 (21.3')], 11,000 µg/L [A-4 (34-36')], and 39,000 ug/L [A-4 (34-36')], respectively (URS, 2005).

The cross-gradient and downgradient lateral extents of the dissolved hydrocarbon plume were characterized during the last investigation. However, the vertical extent of the dissolved-phase hydrocarbons on the southern portion of the site was not defined. Specifically, significantly elevated concentrations were detected in Hydropunch groundwater samples collected from the bottom depths of soil borings A-2, A-3 and A-4. The bottom Hydropunch sample from boring A-2 (40-42 ft bgs) contained concentrations of GRO, benzene, and MTBE at 36,000 µg/L. 1,800 µg/L, and 110 µg/L, respectively. The bottom Hydropunch sample from boring A-3 (34-36 ft bgs) contained concentrations of GRO, benzene, and MTBE at 12,000µg/L, 21µg/L, and 8.3µg/L respectively. The bottom Hydropunch sample from boring A-4 (34-36 ft bgs) contained GRO, benzene, and MTBE concentrations of 120,000µg/L, 11,000µg/L and 39,000 µg/L respectively (URS, 2005).

Therefore, the vertical extent of dissolved phase petroleum hydrocarbon contamination remains unknown in this southern area of the site (URS, 2005). A work plan for soil and water investigation to delineate the vertical extent of contamination in the southern portion of the site was submitted to ACEH in October 2006.

2007 Soil and Groundwater Investigation: In April 2007, Stratus Environmental, Inc. (Stratus) advanced cone penetrometer test (CPT) borings in three locations onsite (CPT-1 through CPT-3) to maximum depths of 60 feet bgs. CPT-1 was advanced southwest of the dispenser islands and southeast of monitoring well MW-1; CPT-2 was advanced south of the dispenser islands and southwest of monitoring well MW-4; CPT-3 was advanced in the eastern corner of the side as requested by the ACEH. An Ultraviolet Induced Fluorescence (UVIF) module was used at each CPT boring location, analyzing the vertical extent of petroleum hydrocarbons in additional to providing soil profiling data. Groundwater samples were collected from multiple depths at each boring locations; physical soil samples were not collected during this investigation.

- GRO was detected above laboratory reporting limits in five of the seven groundwater samples, ranging from 170 µg/L (CPT-3-28-32') to 170,000 µg/L (CPT-1-37-41').
- Benzene was detected above laboratory reporting limits in four of the seven groundwater samples, ranging from 0.51 µg/L (CPT-3-23-27') to 7,700 µg/L (CPT-2-37-41').
- Toluene was detected above laboratory reporting limits in three of the seven groundwater samples, ranging from 57 µg/L (CPT-1-30-34') to 670 µg/L (CPT-2-28-32').

- Ethylbenzene was detected above laboratory reporting limits in four of the seven groundwater samples, ranging from 530 µg/L (CPT-2-37-41') to 2,600 µg/L (CPT-1-37-41').
- Total xylenes were detected above laboratory reporting limits in four of the seven groundwater samples, ranging from 290 µg/L (CPT-2-37-41') to 9,600 µg/L (CPT-1-37-41').
- MTBE was detected above laboratory reporting limits in five of the seven groundwater samples, ranging from 4.4 µg/L (CPT-3-56-60') to 6,500 µg/L (CPT-2-37-41').
- TBA was detected above laboratory reporting limits in groundwater sample CPT-2-37-41' at 2,400 µg/L.

2007-2008 DPE System Installation: Construction of the DPE system was started by Broadbent & Associates, Inc (BAI) and Stratus in late 2007. The system consists of a thermal/catalytic oxidizer with a 25 horsepower liquid ring blower designed to extract water and vapor from six on-site extraction wells. Extracted vapor were to be treated by thermal/catalytic oxidation and discharged to the atmosphere under the oversight of the Bay Area Air Quality Management District. Extracted groundwater was to be treated by a sediment filter and three 1,000 pounds carbon vessels before being discharged into the City of Oakland sanitary sewer system. DPE wells DPE-1 through DPE-5 were installed at the site to total depths ranging from 35 feet to 40 feet bgs. Well MW-2 was overdrilled and destroyed to allow DPE-4 to be installed in the same borehole. The system is currently connected to six wells (DPE-1 through DPE-5 and EX-1) (BAI, 2008a).

As of the end of the fourth quarter 2008 the system had not been started. BAI and Stratus were still coordinating with Pacific Gas & Electric (PG&E) to install electrical service to the system. Natural gas was completed to the site and system in third quarter 2008 (BAI, 2008a).

During DPE construction activities, on-site groundwater monitoring well MW-11 was installed to a total depth of 40 feet bgs on the southern corner of the site. Soil samples collected at 20 feet and 30 feet bgs reported maximum concentrations of 1.9 mg/kg GRO and 0.0089 mg/kg benzene. MTBE was not reported above the LRL in either of the soil samples (BAI, 2008a).

2009-2011 DPE System Startup Efforts: In 2009, Antea Group (formerly Delta Consultants) began coordinating with nearby businesses (Eastmont Mall and Burger King) for the 3-phase power source. Due to financial considerations, Antea Group also explored another alternative for the startup of the DPE system, which included reconfiguring the current system for single phase power.

2011-2012 Remedial Action Site Investigation: Antea Group submitted the *Remedial Action Investigation Work Plan*, dated August 03, 2011 to the ACEH. The ACEH approved the proposed scope of work in an agency letter to Antea Group dated September 1, 2011. In October 2011, Antea Group and subcontractors advanced borings C-1 through C-5, and advanced and installed remedial wells SVE-1 and AS-1 per the August 2011 Work Plan. Antea Group submitted a *Remedial Investigation Work Plan Addendum*, dated December 13, 2011 which proposes a postponement of the AS/SVE pilot test described in the August 3, 2011 *Remedial Action Investigation Work Plan* to utilize a new remedial strategy called Plume Stop, a product created by Regenesis. Between March 26 and 30, 2012, Antea Group and Regenesis oversaw subcontractor Vironex inject Plume Stop at nine soil boring locations using direct push technology. Antea Group is currently conducting the post injection groundwater monitoring events as outlined in the December 2011 Work Plan Addendum.

FREE PRODUCT RECOVERY DURING GROUNDWATER MONITORING EVENTS

Free product was observed in groundwater monitoring well MW-2 between 1993 and 1998, at thicknesses ranging from 2.60 feet (3/30/1994) to less than 0.01 feet (10/2/1997 to 7/21/1998). When free product was observed in the well, it was removed by bailer. Between 1993 and 1998, a cumulative total of 24.9 gallons of free product had been removed from the well (Alisto, 1998).

Free product was also observed in well MW-4 during the third quarter 2001 (0.03 inches), fourth quarter 2006 (0.11 inches), first quarter 2008 (0.01 inches), and third quarter 2008 (0.05 inches); and in EX-2 during the second quarter 2007 (0.01 inch). With the exception of 1.5 gallons of a free product/water mixture recovered from MW-4 during the third quarter 2008 (BAI, 2008b), free product was not recovered from these wells when observed.

SENSTIVE RECEPTORS

2000 Potential Receptor Survey, Expanded Site Plan and Well Search: In October 2000, Alisto completed a potential receptor survey, prepared an expanded site plan with neighboring property parcel information and underground utilities mapped, and identified wells in the vicinity of the site. A review of the files of the California Department of Water Resources (DWR) was performed to identify all known wells within one-half mile radius of the site. The results of the well search revealed that there were 17 wells other than the on-site monitoring sells. Of these, 11 were offsite monitoring wells; four were cathodic protection wells, one an industrial well, and one an irrigation well for a nearby cemetery. No domestic/municipal water supply wells were identified from review of the DWR files (Alisto, 2000).

2010 Sensitive Receptor Survey: Delta Consultants (Delta) submitted a *Sensitive Receptor Survey* in October 2010. As part of that receptor survey, Delta conducted a records review (environmental database search), a well radius search, and a search for other sensitive receptors which have the potential to be affected by the petroleum hydrocarbon release at the site. Delta's review of the historical aerial photographs indicated that the site in 1939 was primarily used for agricultural purposes with small family residences. In general, the site was developed to the current conditions with the station building in 1974. The historical topographic maps support the indication of residential houses and agriculture in the site region as early as 1915 to 1948. The well search indicated that 10 wells were within a one-mile radius of the site. DWR indicated the presence of 7 wells within a one-mile radius of the site. However, no records were found for the status of these wells as being active or abandoned. The main surface water bodies were Lake Merritt located northwest of the site and San Leandro Bay located west of the site. Several churches, schools and day care centers were located within a one-mile radius of the site. Based on the above identified receptors' distances form the site, directions from the site, and extent of hydrocarbon impact at the site, they were not anticipated to be affected by the petroleum hydrocarbon release at the site.

Appendix B

Blaine Tech Services Groundwater Sampling Field Data Sheets

Well-Head Inspection & Well Gauging Form

Antea Group Project No: 261117 Site Address: 7210 Bancroft Ave Oakland CA

Field Technician: Ken Sin BTS (Print Full Name & Company*) Date: 2-5-13 Weather: Clear

Sample Order	Field Point	Well Condition: Bolts	Seal	Lid Secure	Lock	Expanding Cap	Water in Well Box	Well Casing Dia.	Time Gauged	Depth to Water (Feet)	Depth to Bottom (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Comments
4	MW-1	G	G	G	G	G	N	2	0723	14.71	36.58			2/2 Tabs Stopped
3	MW-3	G	G	G	G	G	N	2	0718	15.10	40.96			
11	MW-4	G	G	G	G	G	N	2	0806	15.66	38.89			Vault
6	MW-6	G	G	G	G	G	N	2	0733	15.53	39.30			
5	MW-7	G	G	G	G	G	N	2	0727	15.83	44.28			
1	MW-8	G	G	G	G	G	N	2	0705	15.00	39.20			[illegible]
8	MW-9	G	G	G	G	G	Y	2	0744	16.44	28.68			
7	MW-10	G	G	G	G	G	N	2	0738	17.59	35.33			
9	MW-11	G	G	G	G	G	N	4	0750	14.30	37.00			
10	EX-1	G	G	G	G	G	N	4	0757	16.50	37.45			Vault
2	EX-2	G	G	G	G	G	N	4	0714	16.53	35.05			

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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	MW-1	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	14.71	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	36.50	Water Column Height (ft):	21.79

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): 21.79 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 3.7

Casing Volume (gal): 3.7 X Specified Volumes: 3 = Calculated Purge (gal): 11.1

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

Purge: Start Time: 0941 Stop Time: 0948

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				—		—		
0943	16.7	6.95	476	358	>1000	3.30	1.8	
0944	18.1	6.90	498	384	>1000	0.31	3.7	
0945	18.6	6.90	499	139	>1000	0.19	5.5	
0946	18.8	6.89	499	-10	380	0.18	7.4	
0947	18.9	6.89	495	-19	169	0.18	9.0	
0948	19.0	6.88	493	-21	139	0.18	11.1	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 11.1

Other Comments: 80% = 19.07 DTW = 14.90 * Purge through Flow Cell

Sample Info:

Sample ID: MW-1_20130278 Sample Date and Time: 2-5-13 @ 0955

Selected Analysis: SEE COC

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

Signature: _____ Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	MW-3	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	15.10	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	40.46	Water Column Height (ft):	25.36

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): 25.36 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 4.3

Casing Volume (gal): 4.3 X Specified Volumes: 3 = Calculated Purge (gal): 12.9

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

Purge: Start Time: 0917 Stop Time: 0925

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				—		—		
0920	17.4	6.67	451	295	>1000	2.88	2.2	
0921	18.0	6.76	446	293	>1000	2.48	4.3	
0922	19.1	6.77	447	294	236	2.42	6.6	
0923	19.3	6.77	450	296	196	2.30	8.6	
0924	19.4	6.78	451	297	152	2.25	10.0	
0925	19.5	6.78	451	298	140	2.21	12.9	
Post-Purge				—		—		

Did Well dewater? Yes / (No) Total Purge volume (gal): 12.9

Other Comments: 80% = 20.17 DTW = 15.29 * Purge through Flow Cell

Sample Info:

Sample ID: MW-3_20130205 Sample Date and Time: 2-5-13 @ 0930

Selected Analysis: SEE COC

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

Signature: _____ Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	2611117	Field Technician:	SK
Field Point:	MW-4	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	15.60	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	38.89	Water Column Height (ft):	23.29

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): 23.29 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 4

Casing Volume (gal): 4 X Specified Volumes: 3 = Calculated Purge (gal): 12

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

Purge: Start Time: 13:45 Stop Time: 13:54

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				—		—		
1349	19.6	6.39	1146	-21	>1000	0.54	2	
1350	20.3	6.43	1096	-40	>1000	0.33	4	
1351	20.5	6.47	1076	-49	334	0.31	6	
1352	20.6	6.50	1060	-58	247	0.30	8	
1353	20.7	6.51	1054	-64	201	0.29	10	
1354	20.8	6.53	1052	-67	183	0.28	12	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 12.0

Other Comments: 80% = 20.26 DTW = 15.83 * Purge through Flow Cell

Sample Info:

Sample ID:	MW-4_20130205	Sample Date and Time:	2-5-13 @ 1400
Selected Analysis:	SEE COC		

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	MW-6	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	15.53	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	39.30	Water Column Height (ft):	23.77

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): 23.77 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 4.0

Casing Volume (gal): 4 X Specified Volumes: 3 = Calculated Purge (gal): 12

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

Purge: Start Time: 1046 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				—		—		
1048	19.6	7.21	612	345	>1000	1.14	2	
1049	20.3	6.94	617	349	>1000	0.96	4	
1050	20.7	6.81	621	342	680	0.74	6	
1051	20.8	6.75	636	344	265	0.61	8	
1052	21.0	6.76	639	346	224	0.58	10	
1053	21.1	6.76	641	348	210	0.56	12	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 12.0

Other Comments: 80% = 20.28 DTW = 15.76 * Purge through Flow Cell

Sample Info:

Sample ID: MW-6_20130278 Sample Date and Time: 2-5-13 @ 1100

Selected Analysis: SEE COC

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Signature: _____ Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	MW-7	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	15.89	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	44.28	Water Column Height (ft):	28.39

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): 28.39 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 4.8

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

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

Purge: Start Time: 1000 Stop Time: 1015

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				—		—		
1010	18.9	7.17	476	-11	40	0.99	2.4	
1011	20.7	7.34	351	-16	19	1.42	4.8	
1012	21.0	7.43	360	-20	24	1.40	7.2	
1013	21.4	7.38	382	-32	18	0.82	9.6	
1014	21.6	7.35	399	-40	13	0.79	12	
1015	21.7	7.30	420	-42	12	0.75	14.4	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 14.4

Other Comments: 80% = 21.57 DTW = 21.46 * Purge through Flow Cell

Sample Info:

Sample ID:	MW-7_20130205	Sample Date and Time:	2-5-13 @ 1035
Selected Analysis:	SEE COC		

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	MW-8	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	15.00	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	39.20	Water Column Height (ft):	24.2

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): 24.2 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 4.1

Casing Volume (gal): 4.1 X Specified Volumes: 3 = Calculated Purge (gal): 12.3

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

Purge: Start Time: 0810 Stop Time: 0828

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				—		—		
0815	13.8	6.67	511	163	66	2.36	4.1	
0821	14.0	6.78	475	160	81	2.33	8.2	
0828	14.2	6.81	440	157	75	2.31	12.3	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 12.3

Other Comments: 80% = 19.84 DTW = 15.38 ~~Purge through Flow Cell~~ (2)

Sample Info:

Sample ID: MW-8_20130278 Sample Date and Time: 2-5-13 @ 0830

Selected Analysis: SEE COC

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Signature: _____ Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	MW-9	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	16.44	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	38.68	Water Column Height (ft):	22.24

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): 22.24 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 3.8

Casing Volume (gal): 3.8 X Specified Volumes: 3 = Calculated Purge (gal): 11.4

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

Purge: Start Time: 1141 Stop Time: 1147

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								
1142	18.4	6.84	~~807~~	430	>1000	250	1.9	
1143	19.0	6.93	640	432	>1000	1.50	3.8	
1144	18.9	6.91	599	428	>1000	0.81	5.7	
1145	19.1	6.90	624	~~429~~	812	0.70	7.6	
1146	19.2	6.89	661	~~428~~	730	0.65	9.5	
1147	19.2	6.89	678	~~436~~	649	0.66	11.4	
Post-Purge								

Did Well dewater? Yes (No) Total Purge volume (gal): 11.4

Other Comments: 80% = 20.89
DTW = 18.31
* Purge through Flow Cell

Sample Info:

Sample ID:	MW-9 -20130228	Sample Date and Time:	2-5-13 @ 1155
Selected Analysis:	SEE COC		

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

Signature: _____ Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	2611117	Field Technician:	SK
Field Point:	MW-10	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	17.59	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	35.33	Water Column Height (ft):	17.74

Purging Info and Calculations:

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

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

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

Water Column Height (ft): 17.74 X Conversion Factor (gal/ft): .17 = Casing Volume (gal): 3.0

Casing Volume (gal): 3.0 X Specified Volumes: 3 = Calculated Purge (gal): 9.0

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

Purge: Start Time: 1115 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				—		—		
1116	17.1	6.94	663	409	>1000	5.83	1.5	
1117	20.7	6.73	[illegible]	403	>1000	1.02	3.0	
1118	21.0	6.74	923	399	>1000	1.05	4.5	
1119	21.4	6.72	925	396	745	1.07	6.0	
1120	21.6	6.70	933	395	554	1.09	7.5	
1121	21.6	6.69	946	395	488	1.08	9.0	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 9.0

Other Comments: 80% = 21.13 DTW = 18.20 * Purge through Flow Cell

Sample Info:

Sample ID:	MW-10_20130228	Sample Date and Time:	2-5-13 @ 1125
Selected Analysis:	SEE COC		

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

Signature: [signature] Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	MW-11	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	14.30	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	37.00	Water Column Height (ft):	22.7

Purging Info and Calculations:

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

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

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

Water Column Height (ft): 22.7 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 15

Casing Volume (gal): 15 X Specified Volumes: 3 = Calculated Purge (gal): 45

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

Purge: Start Time: 1246 Stop Time: ~~1302~~ 1304

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				—		—		
1248	19.7	6.84	521	-46	177	0.54	7.5	
1250	20.4	6.84	518	-71	150	0.40	15	
1253	20.5	6.84	522	-77	63	0.37	22.5	
1256	20.5	6.86	517	-82	414	0.30	30	
1259	20.4	6.84	519	-84	125	0.29	37.5	
1302 ~~1259~~	20.4	6.84	520	-85	140	0.27	45	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 45

Other Comments:
80% = 18.84
DTW = 18.54
* Purge through Flow Cell
* FD1_20130228 @ ~~1300~~ 1310

Sample Info:

Sample ID: MW-11_20130228 Sample Date and Time: 2-5-13 @ 1305

Selected Analysis: SEE COC

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

Signature: _____ Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	EX-1	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	16.50	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	37.45	Water Column Height (ft):	20.95

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): 20.95 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 13.8

Casing Volume (gal): 13.8 X Specified Volumes: 3 = Calculated Purge (gal): 41.4

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

Purge: Start Time: 1317 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				—		—		
1320	20.7	6.52	453	-38	68	1.03	6.9	
1323	21.0	6.49	386	20	29	0.88	13.8	
1326	21.3	6.40	424	10	24	0.69	20.7	
—	Well dewatered @				25 gal	—		
1430	20.9	6.55	474	39	31	1.22	Grab	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 25.0

Other Comments: 80% = 20.69 DTW = 20.13 * Purge through Flow Cell

Sample Info:

Sample ID: EX-1_20130228 Sample Date and Time: 2-5-13 @ 1430

Selected Analysis: SEE COC

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

Signature: _____ Date: 2-5-13

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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:	7210 Bancroft Ave Oakland CA		
Project No:	261117	Field Technician:	SK
Field Point:	EX-2	Date:	2-5-13
Depth to Water (DTW) (ft bgs):	16.53	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	35.05	Water Column Height (ft):	18.52

Purging Info and Calculations:

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

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

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

Water Column Height (ft): 18.52 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 12.2

Casing Volume (gal): 12.2 X Specified Volumes: 3 = Calculated Purge (gal): 36.6

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

Purge: Start Time: 0847 Stop Time: 0859

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				—		—		
0849	19.6	7.03	269	63	150	3.74	6.1	
0851	20.6	6.79	266	122	95	3.65	12.2	
0853	20.8	6.68	277	151	79	3.50	18.3	
0855	21.1	6.65	272	167	59	3.48	24.4	
0857	21.1	6.62	268	169	46	3.41	30.5	
0859	21.2	6.61	266	170	41	3.36	36.6	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 36.6

Other Comments: 80% = 20.23 DTW = 19.28 * Purge through Flow Cell

Sample Info:

Sample ID: EX-2_20130228 Sample Date and Time: 2-5-13 @ 0910

Selected Analysis: SEE COC

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

Signature: _____ Date: 2-5-13

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

1Q13 GW Event

Required Lab Information:

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

Required Project Information:

Site ID #:	2611117	Task:	WG_Q_201302
AnteaGrp proj#			
Site Address	7210 BANCROFT AVE		
City	OAKLAND	State	CA 94605
AG PM Name:	Nicole Persaud		
Phone/Fax:	P: 407-758-3428 F: 925-886-8830		
AG PM Email:	nicole.persaud@anteagroup.com		

Required Invoice Information:

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

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: 8260 GC/MS GRO	8260Bie+MTBE/DIPE/TAME/ETBE/1,2-DCA	Comments/Lab Sample I.D.
1	EX-1_20130228	WG	G	2-5-13	1430	3					Y					X	X	7 Oxy's = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB, and Ethanol
2	EX-2_20130228	WG			0910	3					X					X	X	
3	MW-1_20130228	WG			0955	3					X					X	X	
4	MW-10_20130228	WG			1125	3					X					X	X	
5	MW-11_20130228	WG			1305	3					X					X	X	
6	MW-3_20130228	WG			0930	3					X					X	X	
7	MW-4_20130228	WG			1400	3					X					X	X	
8	MW-6_20130228	WG			1100	3					X					X	X	
9	MW-7_20130228	WG			1035	3					X					X	X	
10	MW-8_20130228	WG			0830	3					X					X	X	
11	MW-9_20130228	WG			1155	3					X					X	X	
12	FD1_20130228	W			1310	3					X					X	X	
13	TB1_20130228	W			0700	2					X						X	

Additional Comments/Special Instructions:

Global ID: T0600100201

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	2-5-13	1535			

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: Ken Sim BTS

SIGNATURE of SAMPLER:

DATE Signed: 2-5-13 Time:

Inogen

Appendix C

Certified Laboratory Analytical Report and Data Validation Form

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/2013

Laboratory Results

Nicole Persaud
Antea Group
1155 North 1st Street, Suite 201
San Jose, CA 95112

Subject : 13 Water Samples
Project Name : 2611117
Project Number :

Dear Ms. Persaud,

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 : 83951
Date : 02/10/2013

Subject : 13 Water Samples
Project Name : 2611117
Project Number :

Case Narrative

The Method Reporting Limit for Ethanol has been increased due to the presence of an interfering compound for sample MW-11_20130228.

KIFF Analytical LLC

Analysis Summary

Report Number : 83951

Date : 02/10/13

Attention : Nicole Persaud
Antea Group
1155 North 1st Street, Suite 201
San Jose, CA 95112

Project Name :2611117
Project Number :

			Sample Name	EX-1_20130228	EX-2_20130228		MW-1_20130228		MW-10_20130228		MW-11_20130228		MW-3_20130228		MW-4_20130228	
			Sample Date	02/05/13	02/05/13		02/05/13		02/05/13		02/05/13		02/05/13		02/05/13	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L		3.0	**1900**	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	15	**2200**
Ethylbenzene	EPA 8260B	ug/L		3.0	**250**	0.50	ND	0.50	ND	0.50	ND	0.50	**8.5**	0.50	ND	15	**2600**
Toluene	EPA 8260B	ug/L		3.0	**170**	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	15	**280**
Total Xylenes	EPA 8260B	ug/L		3.0	**720**	0.50	ND	0.50	ND	0.50	ND	0.50	**8.4**	0.50	ND	15	**7600**
Diisopropyl ether (DIPE)	EPA 8260B	ug/L		3.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	15	ND
Ethanol	EPA 8260B	ug/L		30	ND	5.0	ND	5.0	ND	5.0	ND	8.0	ND	5.0	ND	150	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L		3.0	**3.1**	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	15	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L		3.0	**500**	0.50	ND	0.50	ND	0.50	**3.1**	0.50	ND	0.50	ND	15	**380**
Tert-Butanol	EPA 8260B	ug/L		15	**1100**	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	70	**3000**
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L		3.0	**19**	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	15	ND
TPH as Gasoline	EPA 8260B	ug/L		300	**9200**	50	ND	50	ND	50	ND	50	**870**	50	ND	1500	**63000**
1,2-Dibromoethane	EPA 8260B	ug/L		3.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	15	ND
1,2-Dichloroethane	EPA 8260B	ug/L		3.0	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	15	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%			112		102		102		102		99.6		102		102
Toluene - d8 (Surr)	EPA 8260B	%			97.1		103		103		102		101		103		102

MRL = Method Reporting Limit
ND = Not Detected

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

KIFF Analytical LLC

Analysis Summary

Report Number : 83951

Date : 02/10/13

Attention : Nicole Persaud
Antea Group
1155 North 1st Street, Suite 201
San Jose, CA 95112

Project Name :2611117
Project Number :

			Sample Name	MW-6_20130228		MW-7_20130228		MW-8_20130228		MW-9_20130228		FD1_20130228		TB1_20130228	
			Sample Date	02/05/13		02/05/13		02/05/13		02/05/13		02/05/13		02/05/13	
Analyte	Method	Units		MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results	MRL	Results
Benzene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethylbenzene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	**10**	0.50	ND
Toluene	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	**0.57**	0.50	ND
Total Xylenes	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	**11**	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethanol	EPA 8260B	ug/L		5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L		0.50	ND	0.50	**25**	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L		5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
TPH as Gasoline	EPA 8260B	ug/L		50	ND	50	ND	50	ND	50	ND	50	**890**	50	ND
1,2-Dibromoethane	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloroethane	EPA 8260B	ug/L		0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
1,2-Dichloroethane-d4 (Surr)	EPA 8260B	%			103		104		103		102		101		102
Toluene - d8 (Surr)	EPA 8260B	%			103		102		103		103		102		102

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 : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **EX-1_20130228** Matrix : Water Lab Number : 83951-01
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**1900**	3.0	ug/L	EPA 8260B	02/08/13 02:39
Toluene	**170**	3.0	ug/L	EPA 8260B	02/08/13 02:39
Ethylbenzene	**250**	3.0	ug/L	EPA 8260B	02/08/13 02:39
Total Xylenes	**720**	3.0	ug/L	EPA 8260B	02/08/13 02:39
Methyl-t-butyl ether (MTBE)	**500**	3.0	ug/L	EPA 8260B	02/08/13 02:39
Diisopropyl ether (DIPE)	< 3.0	3.0	ug/L	EPA 8260B	02/08/13 02:39
Ethyl-t-butyl ether (ETBE)	**3.1**	3.0	ug/L	EPA 8260B	02/08/13 02:39
Tert-amyl methyl ether (TAME)	**19**	3.0	ug/L	EPA 8260B	02/08/13 02:39
Tert-Butanol	**1100**	15	ug/L	EPA 8260B	02/08/13 02:39
Ethanol	< 30	30	ug/L	EPA 8260B	02/08/13 02:39
TPH as Gasoline	**9200**	300	ug/L	EPA 8260B	02/08/13 02:39
1,2-Dichloroethane	< 3.0	3.0	ug/L	EPA 8260B	02/08/13 02:39
1,2-Dibromoethane	< 3.0	3.0	ug/L	EPA 8260B	02/08/13 02:39
1,2-Dichloroethane-d4 (Surr)	112		% Recovery	EPA 8260B	02/08/13 02:39
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	02/08/13 02:39

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **EX-2_20130228** Matrix : Water Lab Number : 83951-02
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 18:18
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 18:18
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 18:18
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 18:18
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/08/13 18:18
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/08/13 18:18

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-1_20130228** Matrix : Water Lab Number : 83951-03
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 14:01
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 14:01
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 14:01
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:01
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/08/13 14:01
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/08/13 14:01

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-10_20130228** Matrix : Water Lab Number : 83951-04
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
Methyl-t-butyl ether (MTBE)	**3.1**	0.50	ug/L	EPA 8260B	02/08/13 17:43
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 17:43
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 17:43
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 17:43
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:43
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/08/13 17:43
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/08/13 17:43

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-11_20130228** Matrix : Water Lab Number : 83951-05
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
Ethylbenzene	**8.5**	0.50	ug/L	EPA 8260B	02/08/13 17:09
Total Xylenes	**8.4**	0.50	ug/L	EPA 8260B	02/08/13 17:09
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 17:09
Ethanol	< 8.0	8.0	ug/L	EPA 8260B	02/08/13 17:09
TPH as Gasoline	**870**	50	ug/L	EPA 8260B	02/08/13 17:09
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 17:09
1,2-Dichloroethane-d4 (Surr)	99.6		% Recovery	EPA 8260B	02/08/13 17:09
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/08/13 17:09

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-3_20130228** Matrix : Water Lab Number : 83951-06
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 12:52
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 12:52
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 12:52
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 12:52
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/08/13 12:52
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/08/13 12:52

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-4_20130228** Matrix : Water Lab Number : 83951-07
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**2200**	15	ug/L	EPA 8260B	02/08/13 17:28
Toluene	**280**	15	ug/L	EPA 8260B	02/08/13 17:28
Ethylbenzene	**2600**	15	ug/L	EPA 8260B	02/08/13 17:28
Total Xylenes	**7600**	15	ug/L	EPA 8260B	02/08/13 17:28
Methyl-t-butyl ether (MTBE)	**380**	15	ug/L	EPA 8260B	02/08/13 17:28
Diisopropyl ether (DIPE)	< 15	15	ug/L	EPA 8260B	02/08/13 17:28
Ethyl-t-butyl ether (ETBE)	< 15	15	ug/L	EPA 8260B	02/08/13 17:28
Tert-amyl methyl ether (TAME)	< 15	15	ug/L	EPA 8260B	02/08/13 17:28
Tert-Butanol	**3000**	70	ug/L	EPA 8260B	02/08/13 17:28
Ethanol	< 150	150	ug/L	EPA 8260B	02/08/13 17:28
TPH as Gasoline	**63000**	1500	ug/L	EPA 8260B	02/08/13 17:28
1,2-Dichloroethane	< 15	15	ug/L	EPA 8260B	02/08/13 17:28
1,2-Dibromoethane	< 15	15	ug/L	EPA 8260B	02/08/13 17:28
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/08/13 17:28
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/08/13 17:28

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-6_20130228** Matrix : Water Lab Number : 83951-08
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 13:27
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 13:27
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 13:27
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 13:27
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	02/08/13 13:27
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/08/13 13:27

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-7_20130228** Matrix : Water Lab Number : 83951-09
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
Methyl-t-butyl ether (MTBE)	**25**	0.50	ug/L	EPA 8260B	02/08/13 16:33
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 16:33
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 16:33
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 16:33
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 16:33
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	02/08/13 16:33
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/08/13 16:33

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-8_20130228** Matrix : Water Lab Number : 83951-10
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 14:36
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 14:36
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 14:36
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 14:36
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	02/08/13 14:36
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/08/13 14:36

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **MW-9_20130228** Matrix : Water Lab Number : 83951-11
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 15:54
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 15:54
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13 15:54
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:54
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/08/13 15:54
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	02/08/13 15:54

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **FD1_20130228** Matrix : Water Lab Number : 83951-12
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:10
Toluene	**0.57**	0.50	ug/L	EPA 8260B	02/08/13 15:10
Ethylbenzene	**10**	0.50	ug/L	EPA 8260B	02/08/13 15:10
Total Xylenes	**11**	0.50	ug/L	EPA 8260B	02/08/13 15:10
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:10
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:10
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:10
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:10
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 15:10
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13 15:10
TPH as Gasoline	**890**	50	ug/L	EPA 8260B	02/08/13 15:10
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:10
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13 15:10
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	02/08/13 15:10
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/08/13 15:10

KIFF Analytical LLC

Report Number : 83951
Date : 02/10/13

Project Name : **2611117**
Project Number :

Sample : **TB1_20130228** Matrix : Water Lab Number : 83951-13
Sample Date :02/05/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/07/13 23:23
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/07/13 23:23
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/07/13 23:23
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/07/13 23:23
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	02/07/13 23:23
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/07/13 23:23

Report Number : 83951

Date : 02/10/13

QC Report : Method Blank Data

Project Name : **2611117**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/07/13
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/07/13
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/07/13
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	02/07/13
Toluene - d8 (Surr)	98.7		%	EPA 8260B	02/07/13

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/08/13
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/08/13
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/08/13
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	02/08/13
Toluene - d8 (Surr)	102		%	EPA 8260B	02/08/13

Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	02/07/13
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	02/07/13
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/07/13
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	02/07/13
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	02/07/13
Toluene - d8 (Surr)	102		%	EPA 8260B	02/07/13

KIFF ANALYTICAL, LLC

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

Report Number : 83951

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/10/13

Project Name : **2611117**

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														
	83948-01	<0.50	39.8	40.0	38.6	38.1	ug/L	EPA 8260B	2/7/13	97.2	95.3	2.01	80-120	25
1,2-Dichloroethane														
	83948-01	<0.50	39.8	40.0	35.6	35.2	ug/L	EPA 8260B	2/7/13	89.7	87.9	2.02	75.7-122	25
Benzene														
	83948-01	7.2	39.8	40.0	43.5	44.1	ug/L	EPA 8260B	2/7/13	91.1	92.1	1.06	80-120	25
Diisopropyl ether														
	83948-01	<0.50	39.2	39.4	36.9	37.3	ug/L	EPA 8260B	2/7/13	94.1	94.6	0.505	80-120	25
Ethanol														
	83948-01	<5.0	100	101	130	129	ug/L	EPA 8260B	2/7/13	129	128	1.08	55.1-159	25
Ethyl-tert-butyl ether														
	83948-01	<0.50	40.3	40.6	33.4	34.4	ug/L	EPA 8260B	2/7/13	82.9	84.8	2.21	76.5-120	25
Ethylbenzene														
	83948-01	<0.50	39.8	40.0	37.2	38.0	ug/L	EPA 8260B	2/7/13	93.6	95.0	1.52	80-120	25
Methyl-t-butyl ether														
	83948-01	<0.50	39.8	40.1	31.8	32.7	ug/L	EPA 8260B	2/7/13	79.8	81.7	2.43	69.7-121	25
P + M Xylene														
	83948-01	8.6	39.8	40.0	45.7	46.8	ug/L	EPA 8260B	2/7/13	93.3	95.6	2.39	76.8-120	25
Tert-Butanol														
	83948-01	<5.0	200	201	197	201	ug/L	EPA 8260B	2/7/13	98.7	99.9	1.16	80-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 83951

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/10/2013

Project Name : **2611117**

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														
	83948-01	<0.50	40.1	40.4	35.5	35.8	ug/L	EPA 8260B	2/7/13	88.6	88.8	0.325	78.9-120	25
Toluene														
	83948-01	1.5	39.8	40.0	38.3	39.1	ug/L	EPA 8260B	2/7/13	92.4	94.0	1.67	80-120	25
1,2-Dibromoethane														
	83965-02	<0.50	40.0	40.0	43.2	42.9	ug/L	EPA 8260B	2/7/13	108	107	0.610	80-120	25
1,2-Dichloroethane														
	83965-02	<0.50	40.0	40.0	44.7	44.2	ug/L	EPA 8260B	2/7/13	112	111	1.09	75.7-122	25
Benzene														
	83965-02	<0.50	40.0	40.0	39.7	39.2	ug/L	EPA 8260B	2/7/13	99.2	98.0	1.19	80-120	25
Diisopropyl ether														
	83965-02	<0.50	39.4	39.4	41.6	41.6	ug/L	EPA 8260B	2/7/13	105	106	0.122	80-120	25
Ethanol														
	83965-02	<5.0	101	101	118	119	ug/L	EPA 8260B	2/7/13	117	118	0.890	55.1-159	25
Ethyl-tert-butyl ether														
	83965-02	<0.50	40.6	40.6	40.4	40.3	ug/L	EPA 8260B	2/7/13	99.6	99.3	0.252	76.5-120	25
Ethylbenzene														
	83965-02	<0.50	40.0	40.0	41.6	41.8	ug/L	EPA 8260B	2/7/13	104	104	0.264	80-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 83951

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/10/2013

Project Name : **2611117**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Methyl-t-butyl ether														
	83965-02	<0.50	40.1	40.1	39.7	39.4	ug/L	EPA 8260B	2/7/13	99.0	98.3	0.787	69.7-121	25
P + M Xylene														
	83965-02	<0.50	40.0	40.0	41.6	41.7	ug/L	EPA 8260B	2/7/13	104	104	0.265	76.8-120	25
Tert-Butanol														
	83965-02	<5.0	201	201	206	209	ug/L	EPA 8260B	2/7/13	102	104	1.27	80-120	25
Tert-amyl-methyl ether														
	83965-02	<0.50	40.4	40.4	41.5	41.5	ug/L	EPA 8260B	2/7/13	103	103	0.120	78.9-120	25
Toluene														
	83965-02	<0.50	40.0	40.0	41.9	41.4	ug/L	EPA 8260B	2/7/13	105	104	1.18	80-120	25
1,2-Dibromoethane														
	83953-04	<0.50	40.0	40.0	43.2	42.5	ug/L	EPA 8260B	2/8/13	108	106	1.77	80-120	25
1,2-Dichloroethane														
	83953-04	<0.50	40.0	40.0	45.2	44.4	ug/L	EPA 8260B	2/8/13	113	111	1.64	75.7-122	25
Benzene														
	83953-04	<0.50	40.0	40.0	39.0	38.3	ug/L	EPA 8260B	2/8/13	97.4	95.8	1.72	80-120	25
Diisopropyl ether														
	83953-04	<0.50	39.4	39.4	41.1	40.3	ug/L	EPA 8260B	2/8/13	104	102	1.82	80-120	25

KIFF ANALYTICAL, LLC

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

Report Number : 83951

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/10/2013

Project Name : **2611117**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Ethanol														
	83953-04	<5.0	101	101	116	120	ug/L	EPA 8260B	2/8/13	115	119	3.58	55.1-159	25
Ethyl-tert-butyl ether														
	83953-04	<0.50	40.6	40.6	39.8	39.0	ug/L	EPA 8260B	2/8/13	98.2	96.0	2.28	76.5-120	25
Ethylbenzene														
	83953-04	<0.50	40.0	40.0	41.3	40.8	ug/L	EPA 8260B	2/8/13	103	102	1.15	80-120	25
Methyl-t-butyl ether														
	83953-04	1.8	40.1	40.1	41.2	40.3	ug/L	EPA 8260B	2/8/13	98.4	96.3	2.18	69.7-121	25
P + M Xylene														
	83953-04	<0.50	40.0	40.0	41.7	40.6	ug/L	EPA 8260B	2/8/13	104	101	2.58	76.8-120	25
Tert-Butanol														
	83953-04	<5.0	201	201	204	201	ug/L	EPA 8260B	2/8/13	101	100	1.07	80-120	25
Tert-amyl-methyl ether														
	83953-04	<0.50	40.4	40.4	41.7	40.5	ug/L	EPA 8260B	2/8/13	103	100	2.85	78.9-120	25
Toluene														
	83953-04	<0.50	40.0	40.0	41.7	40.9	ug/L	EPA 8260B	2/8/13	104	102	1.77	80-120	25

KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)

Project Name : **2611117**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,2-Dibromoethane	40.0	ug/L	EPA 8260B	2/7/13	95.2	80-120
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	2/7/13	88.3	75.7-122
Benzene	40.0	ug/L	EPA 8260B	2/7/13	92.8	80-120
Diisopropyl ether	39.4	ug/L	EPA 8260B	2/7/13	93.0	80-120
Ethanol	101	ug/L	EPA 8260B	2/7/13	130	55.1-159
Ethyl-tert-butyl ether	40.6	ug/L	EPA 8260B	2/7/13	83.1	76.5-120
Ethylbenzene	40.0	ug/L	EPA 8260B	2/7/13	95.2	80-120
Methyl-t-butyl ether	40.1	ug/L	EPA 8260B	2/7/13	80.0	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	2/7/13	97.0	76.8-120
Tert-Butanol	201	ug/L	EPA 8260B	2/7/13	99.7	80-120
Tert-amyl-methyl ether	40.4	ug/L	EPA 8260B	2/7/13	88.1	78.9-120
Toluene	40.0	ug/L	EPA 8260B	2/7/13	94.1	80-120
1,2-Dibromoethane	39.9	ug/L	EPA 8260B	2/7/13	104	80-120
1,2-Dichloroethane	39.9	ug/L	EPA 8260B	2/7/13	106	75.7-122
Benzene	39.9	ug/L	EPA 8260B	2/7/13	96.1	80-120
Diisopropyl ether	39.3	ug/L	EPA 8260B	2/7/13	102	80-120
Ethanol	101	ug/L	EPA 8260B	2/7/13	116	55.1-159
Ethyl-tert-butyl ether	40.5	ug/L	EPA 8260B	2/7/13	94.0	76.5-120
Ethylbenzene	39.9	ug/L	EPA 8260B	2/7/13	101	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	2/7/13	94.1	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	2/7/13	101	76.8-120
TPH as Gasoline	510	ug/L	EPA 8260B	2/7/13	93.4	70.0-130

KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)

Project Name : **2611117**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Tert-Butanol	201	ug/L	EPA 8260B	2/7/13	98.8	80-120
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	2/7/13	99.0	78.9-120
Toluene	39.9	ug/L	EPA 8260B	2/7/13	101	80-120
1,2-Dibromoethane	39.9	ug/L	EPA 8260B	2/8/13	110	80-120
1,2-Dichloroethane	39.9	ug/L	EPA 8260B	2/8/13	116	75.7-122
Benzene	39.9	ug/L	EPA 8260B	2/8/13	99.7	80-120
Diisopropyl ether	39.3	ug/L	EPA 8260B	2/8/13	108	80-120
Ethanol	101	ug/L	EPA 8260B	2/8/13	122	55.1-159
Ethyl-tert-butyl ether	40.5	ug/L	EPA 8260B	2/8/13	100	76.5-120
Ethylbenzene	39.9	ug/L	EPA 8260B	2/8/13	106	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	2/8/13	100	69.7-121
P + M Xylene	39.9	ug/L	EPA 8260B	2/8/13	106	76.8-120
TPH as Gasoline	509	ug/L	EPA 8260B	2/8/13	94.2	70.0-130
Tert-Butanol	201	ug/L	EPA 8260B	2/8/13	104	80-120
Tert-amyl-methyl ether	40.3	ug/L	EPA 8260B	2/8/13	106	78.9-120
Toluene	39.9	ug/L	EPA 8260B	2/8/13	107	80-120

KIFF ANALYTICAL, LLC

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

20130228.2611117.WG_Q_201302.BO

anteagroup

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

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

83951

1Q13 GW Event

Required Lab Information:

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

Required Project Information:

Site ID #:	2611117
Task:	WG_Q_201302
AnteaGrp proj#	
Site Address	7210 BANCROFT AVE
City	OAKLAND
State	CA 94605
AG PM Name:	Nicole Persaud
Phone/Fax:	P: 407-758-3428 F: 925-886-8830
AG PM Email:	nicole.persaud@anteagroup.com

Required Invoice Information:

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

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

Valid Matrix Codes

MATRIX		MATRIX	
DRINKING WATER	WP	WATER	W
GROUND WATER	WG	SURFACE WATER	WS
WASTE WATER	WW	WATER QC	WQ
FREE PRODUCT	LF	SLUDGE	SL
SOIL	SO	RINSEATE	WH
OIL	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	Requested Analyses: 8260 GC/MS GRO	8260B/MTBE/OXYGCA	Comments/Lab Sample I.D.
1	EX-1_20130228	WG	G	2-5-13	1430	3					Y					x	x	7 Oxy's = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB, and Ethanol 01
2	EX-2_20130228	WG			0910	3					X					x	x	02
3	MW-1_20130228	WG			0955	3					X					x	x	03
4	MW-10_20130228	WG			1125	3					X					x	x	04
5	MW-11_20130228	WG			1305	3					X					x	x	05
6	MW-3_20130228	WG			0930	3					X					x	x	06
7	MW-4_20130228	WG			1400	3					X					x	x	07
8	MW-6_20130228	WG			1100	3					X					x	x	08
9	MW-7_20130228	WG			1035	3					X					x	x	09
10	MW-8_20130228	WG			0830	3					X					x	x	10
11	MW-9_20130228	WG			1155	3					X					x	x	11
12	FD1_20130228	W			1310	3					X					x	x	12
13	TB1_20130228	W			0700	2					X						x	13

Additional Comments/Special Instructions:

Global ID: T0600100201

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	2513	1535			
			Kiff Analytical	020613	1210

Sample Receipt Conditions

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

SHIPPING METHOD: UPS COURIER FEDEX / US MAIL

SAMPLER NAME and SIGNATURE

PRINT Name of SAMPLER: Ken Sim BTS

SIGNATURE of SAMPLER:

DATE Signed: 2-5-13

Time:

Inogen

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER Initials

SRG#: 83951 Date: 020613

Project ID: 2611117

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

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

COC Inspection

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

Sample Inspection

Coolant Present: ☒ Yes ☐ No (includes water)

Temperature °C 3.0 Therm. ID# IR-1 Initial [initials] Date/Time 020613 1149 ☐ N/A

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

Receipt Details

Matrix WA Container type Voa # of containers received 38

Matrix _____ Container type _____ # of containers received _____

Matrix _____ Container type _____ # of containers received _____

Date and Time Sample Put into Temp Storage Date: 020613 [initials] 020613 Time: 1210

Quicklog

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

COMMENTS: Analysis logged as as 6B7L per SMF's client instruction. Analysis on COC incorrect/unclear. MAS 020613 1547

Sample time for -02 unclear on COC. Per labels it is 0910. MAS 020613 1602

O:\old_ed\samprec\Forms\Sample Receipt Checklist rev 072412.doc

Is the Data Set Valid?	Preservation Temperature
(circle)	*(if Known)*: 3.0 ºC
(Yes) / No	

Antea™Group Laboratory Data Validation Sheet

Project/Client: COP ELT

Project #: I4261117

Date of Validation: 2/14/2013 **Date of Analysis:** 2/7 & 2/8

Sample Date: 2/5/2013 **Completed By:** Angela Barillas

Signature: Angela Barillas

Circle or Highlight Yes / No (below)

Analytical Lab Used and Report # (if any): KIFF 83951

1.	Were the analyses the ones requested?	(Yes) / No
2.	Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?	(Yes) / No
3.	Were samples prepared (extracted, filtered, etc.) within EPA holding times?	(Yes) / No
4.	Once prepared/extracted, were the samples analyzed within the EPA holding times?	(Yes) / No
5.	Were Laboratory blanks performed, if so, were they non-detect?	(Yes) / No
6.	Are the units correct? (i.e., soil samples in mg/kg or ug/g, water samples mg/L, ug/L, and air samples in volume mg/m^3,etc.)	(Yes) / No
7.	Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?	(Yes) / No
8.	Were blank spike (SS or LCS) or blank spike duplicate (SSD or LCSD) samples included in the laboratory batch samples?	(Yes) / No
9.	Were QA/QC samples (MS/MSD, SS/SSD, LCS/LCSD) within the shown acceptable range of % recovery?	(Yes) / No
10.	Were MS/MSD (or SS/SSD, LCS/LCSD) 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

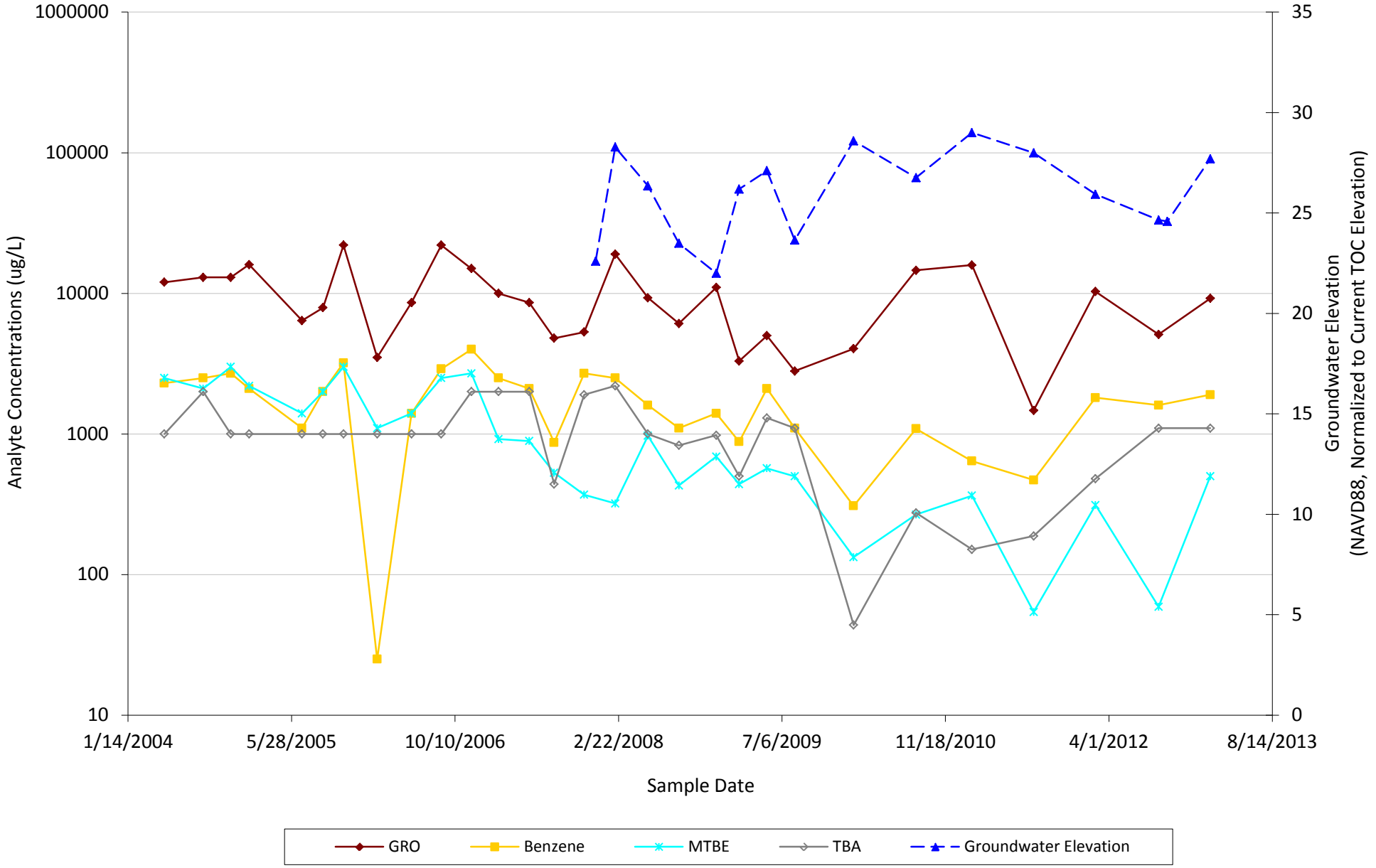
For a 'no' answer, explain why and what corrective action was taken (use additional sheet(s), as necessary:

Data Qualifiers:

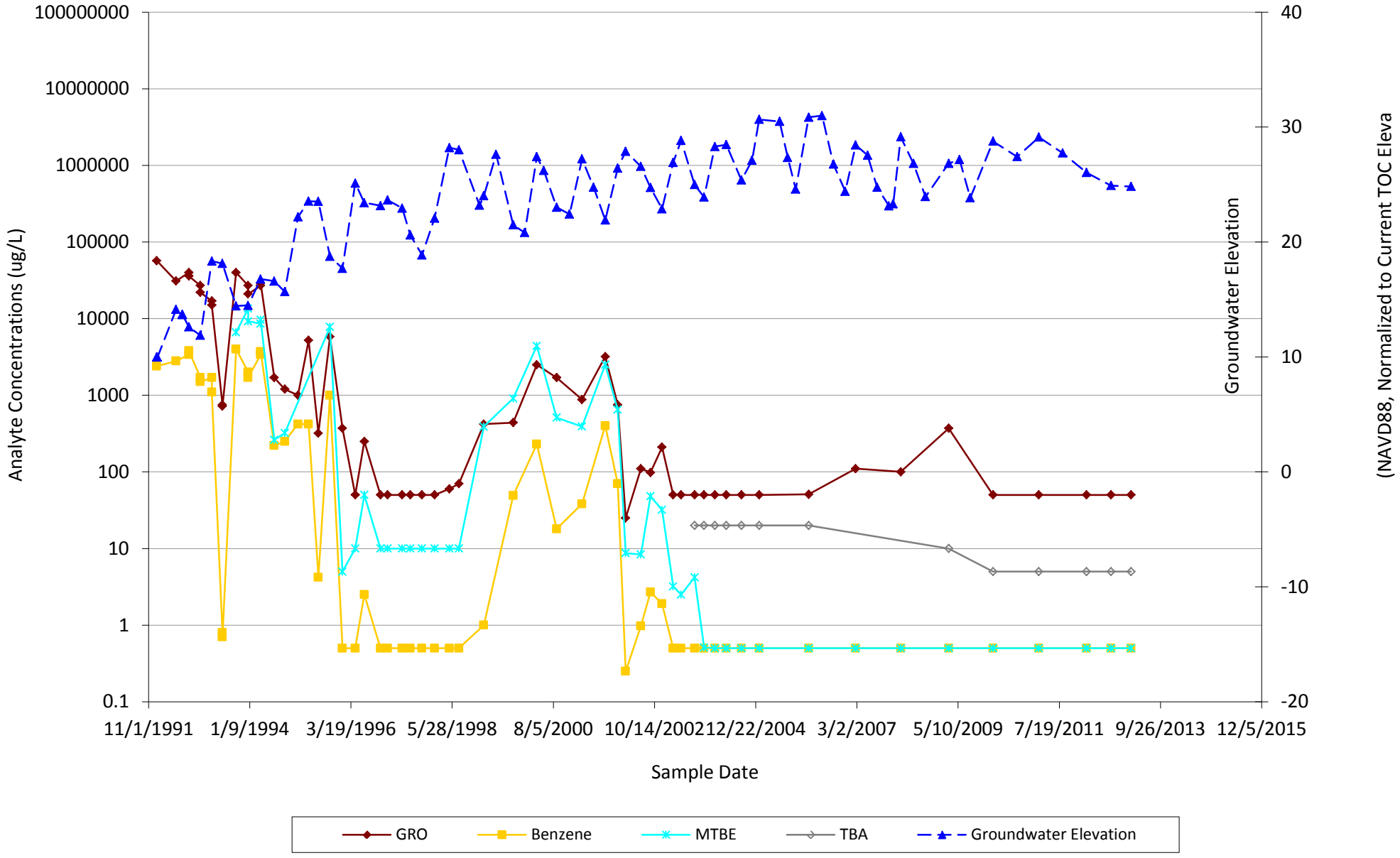
Appendix D

Time Series Graphs

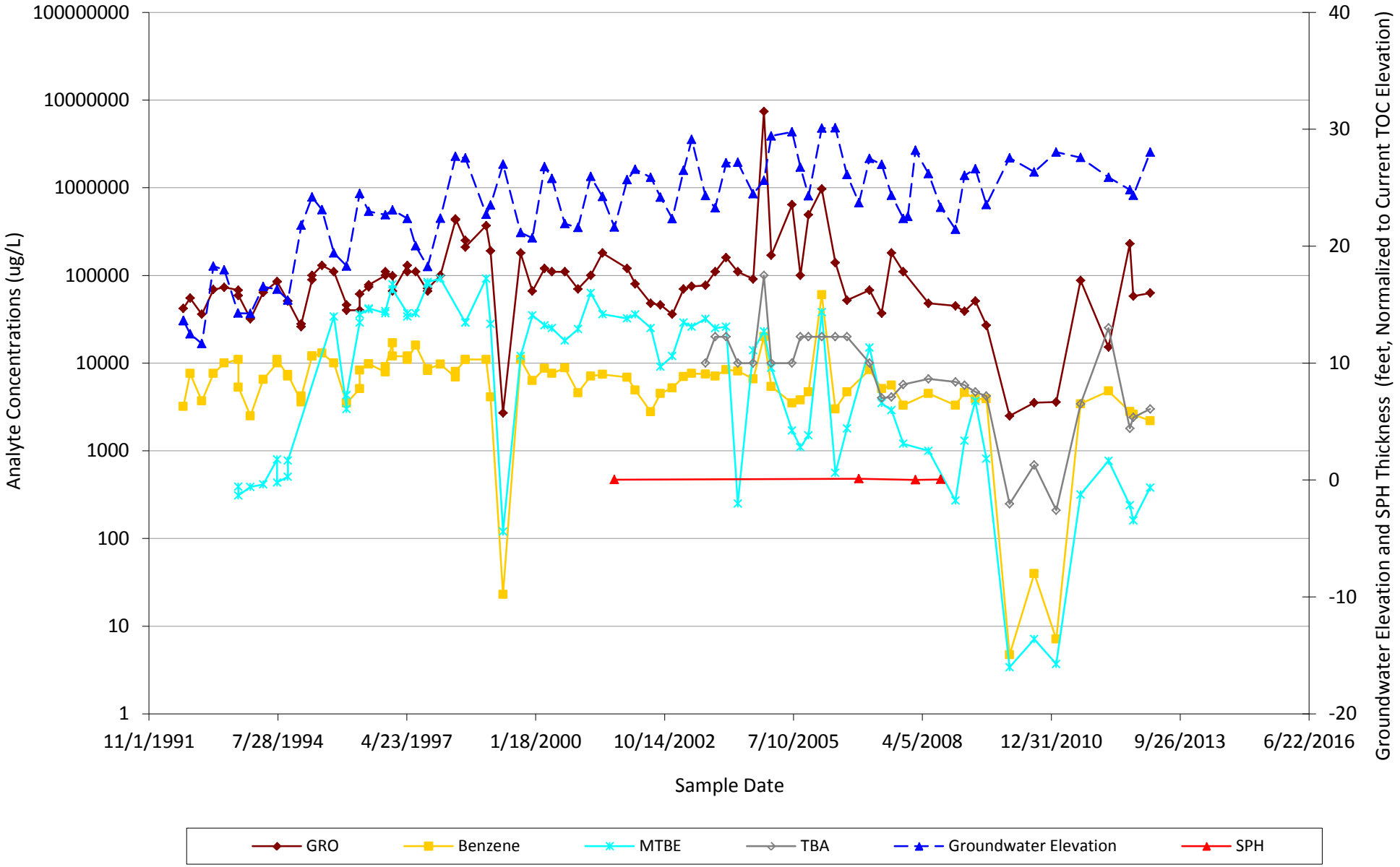
WELL EX-1
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



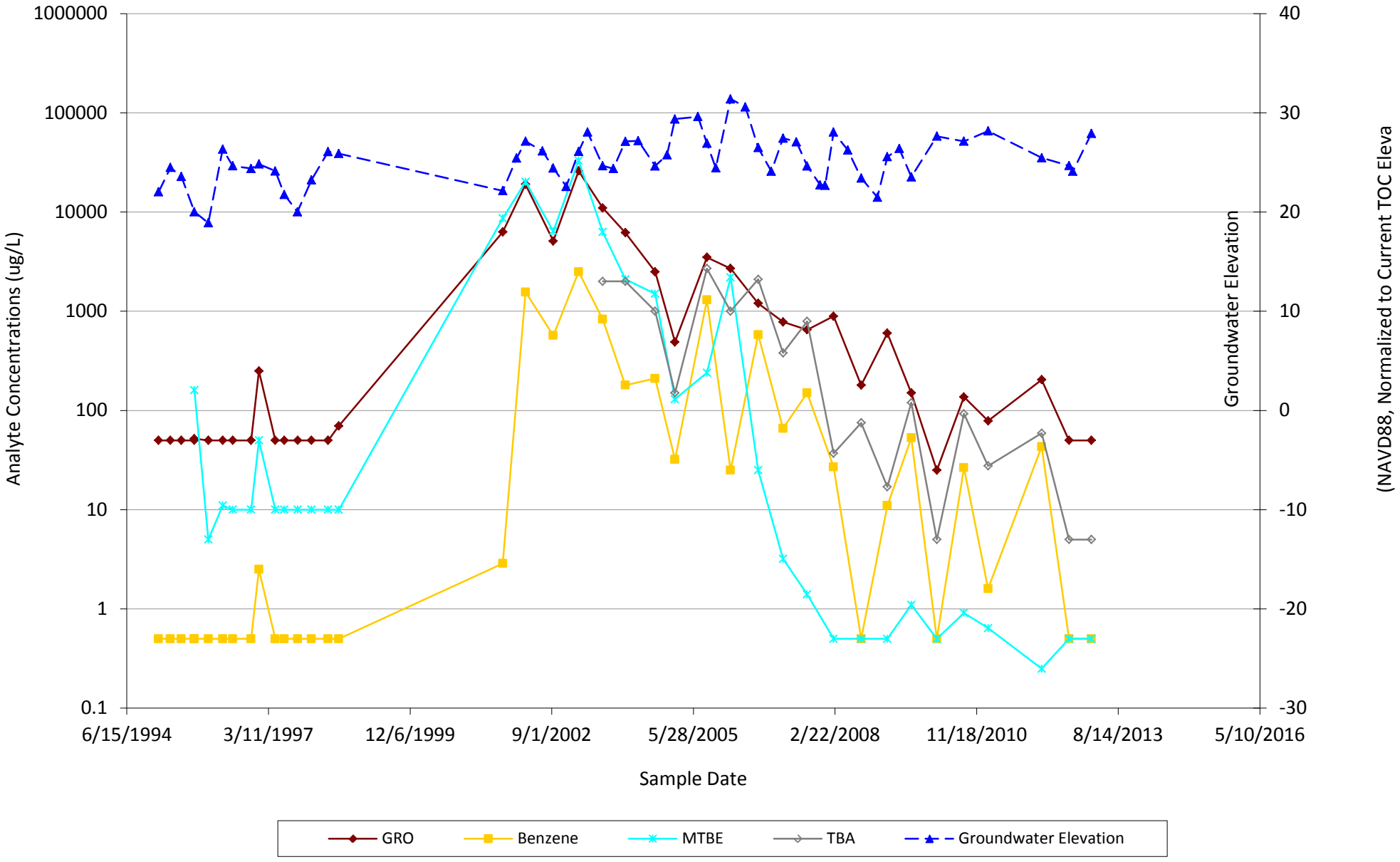
WELL MW-1
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



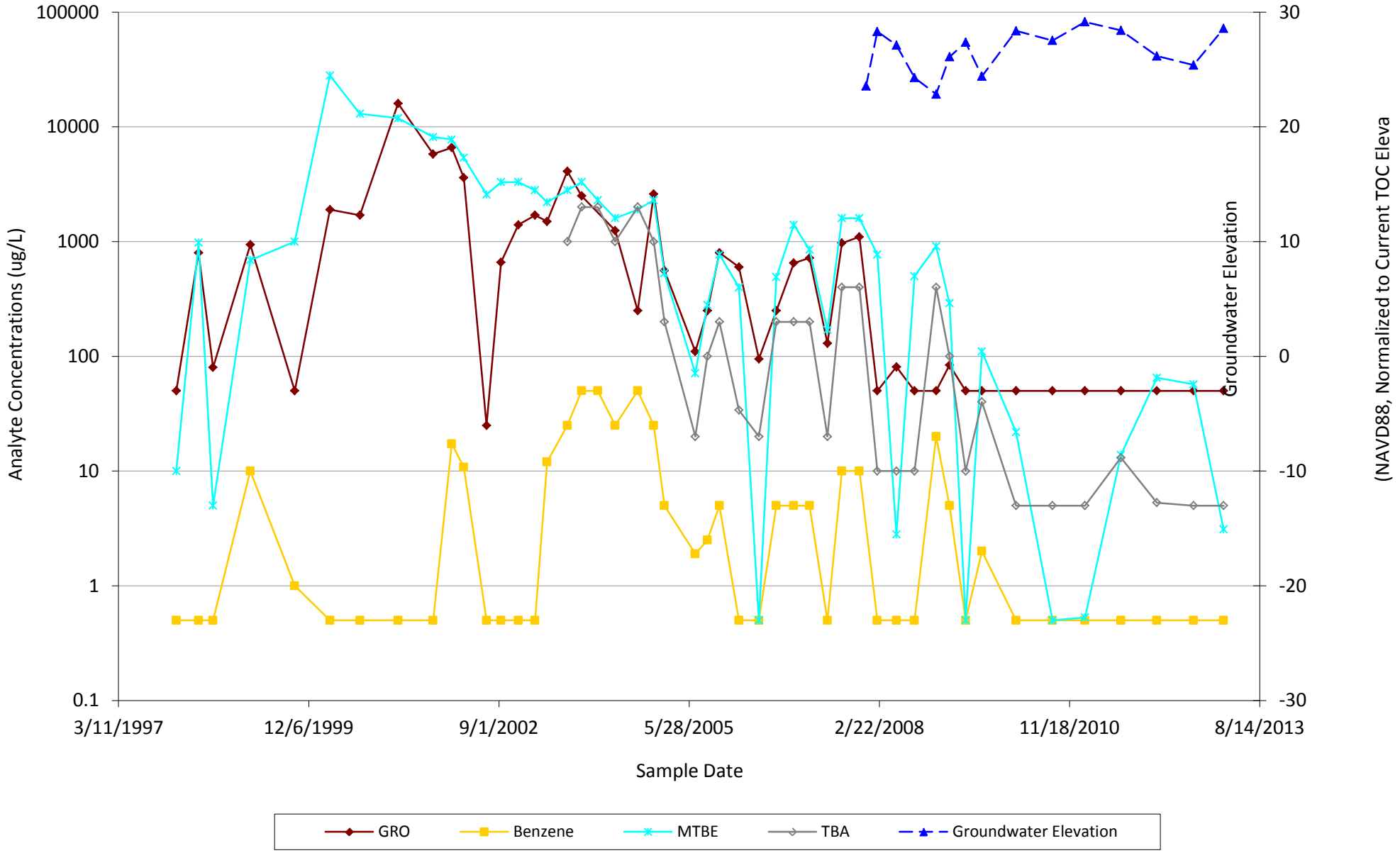
WELL MW-4
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



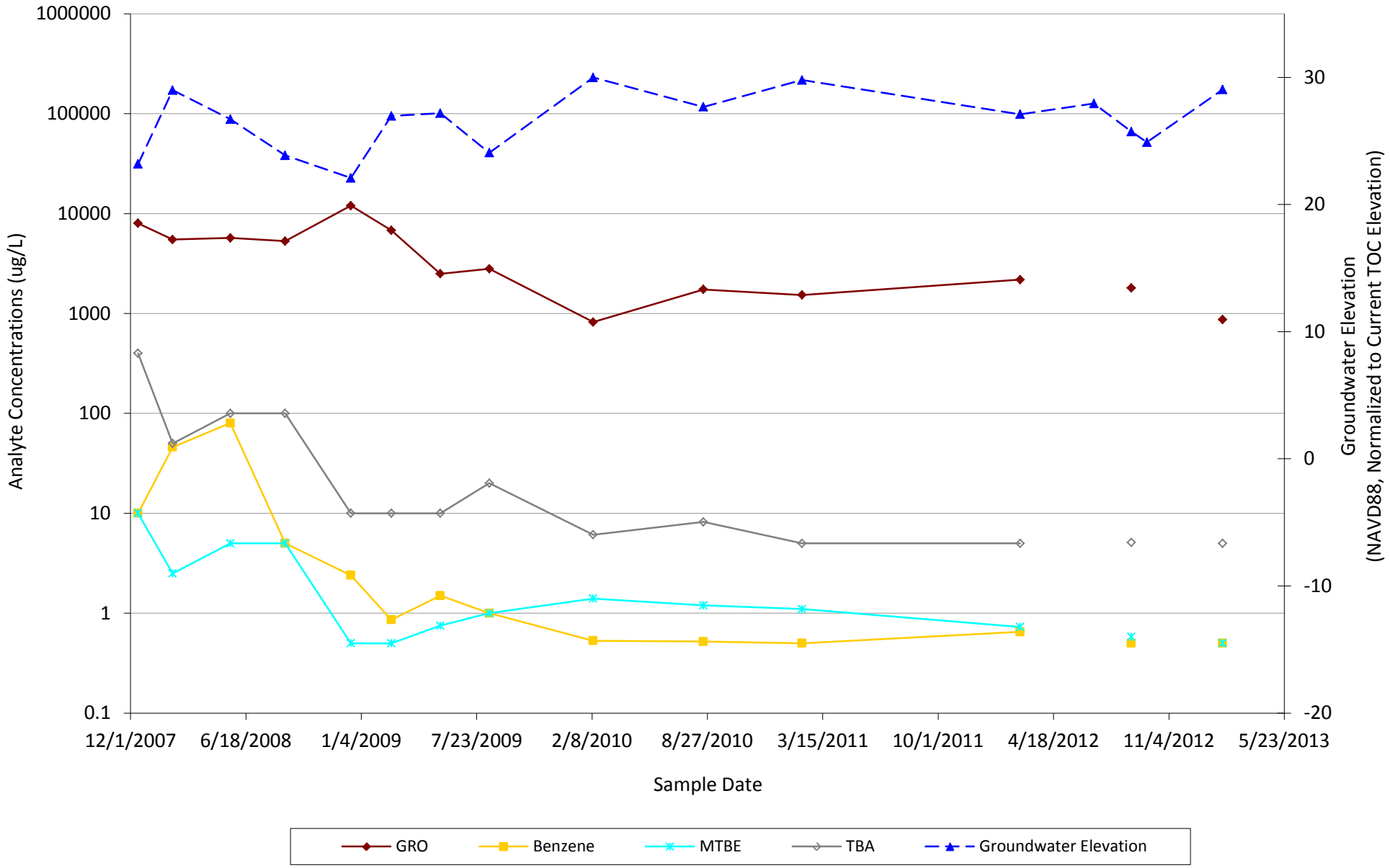
WELL MW-9
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



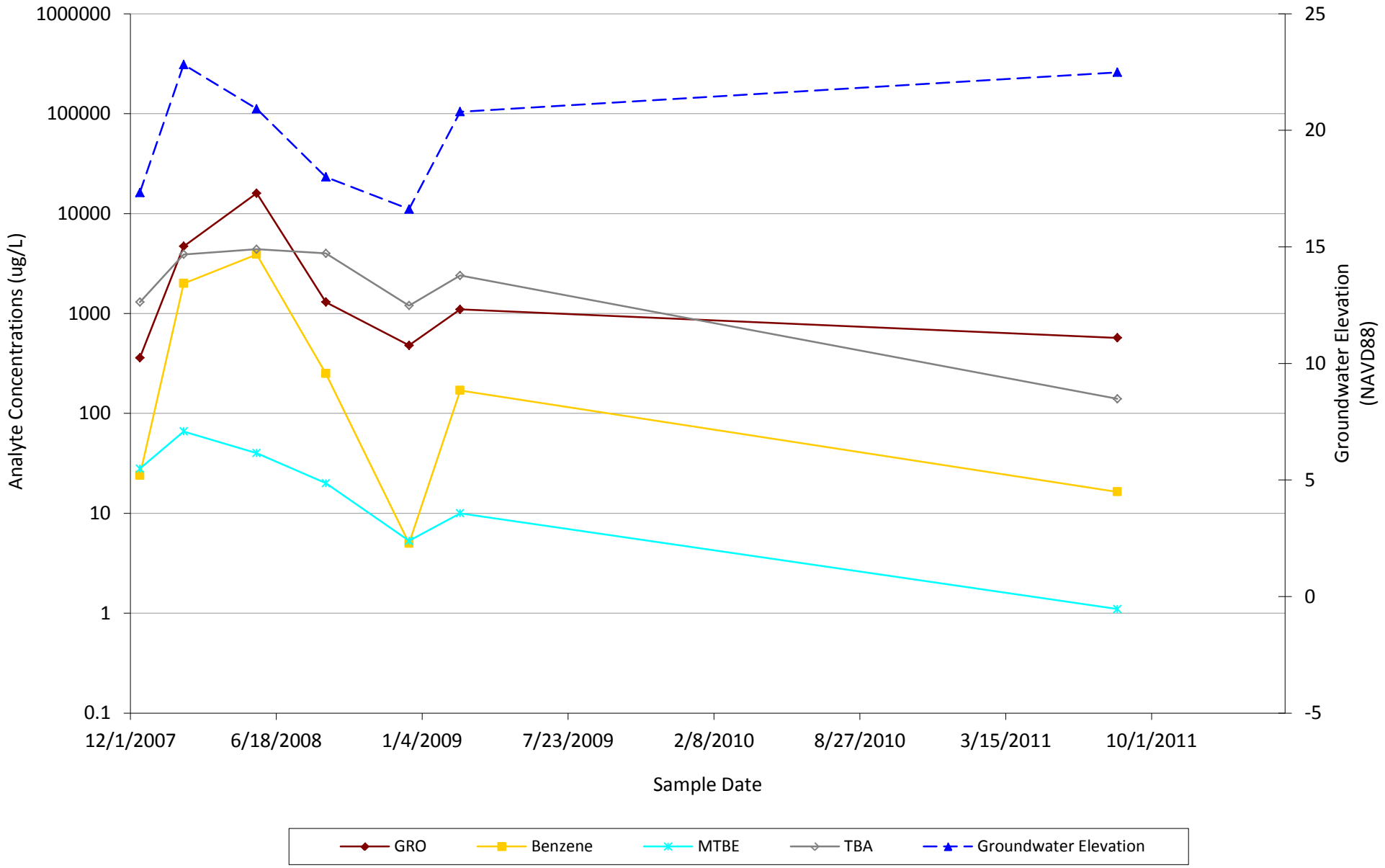
WELL MW-10
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



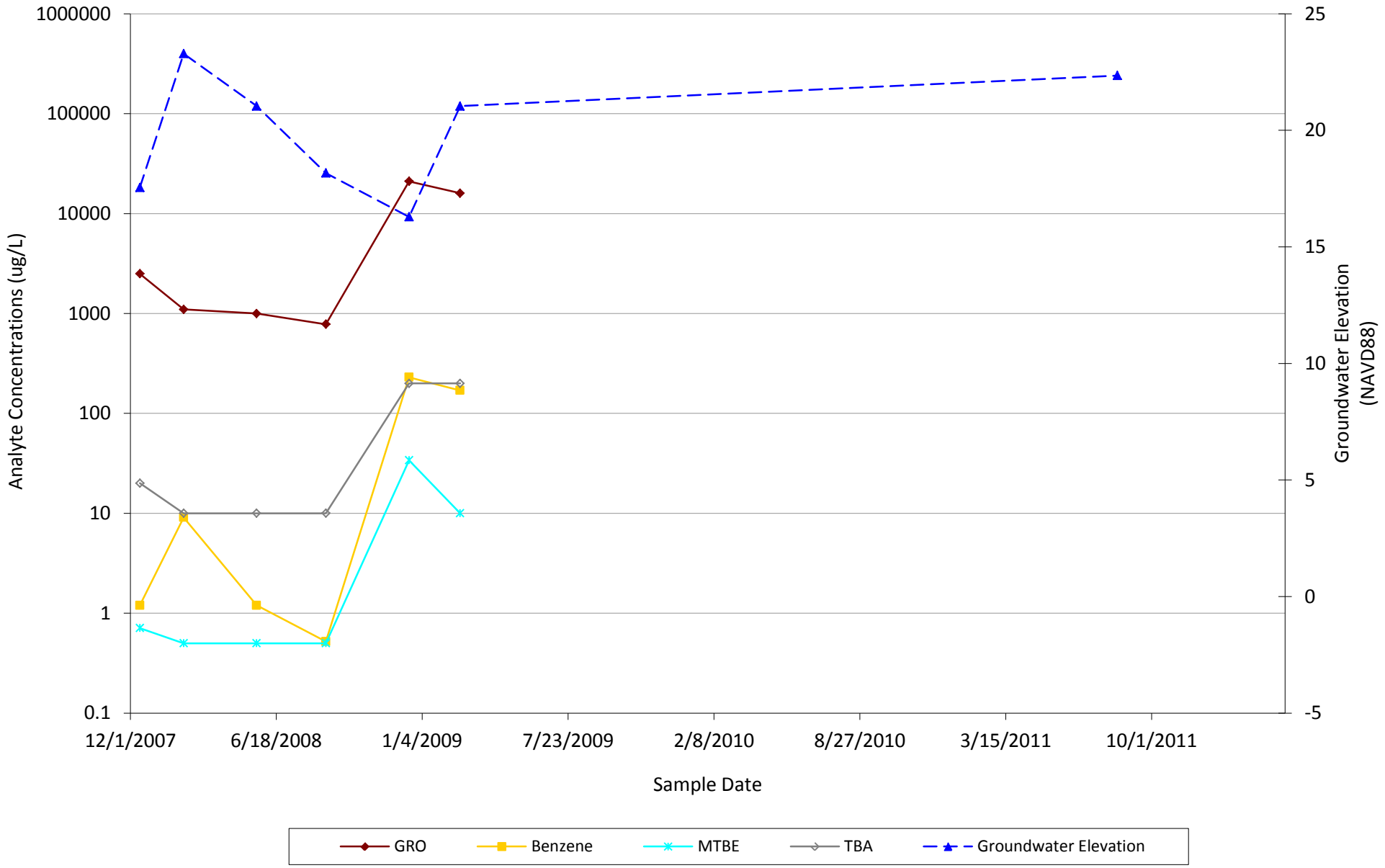
WELL MW-11
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



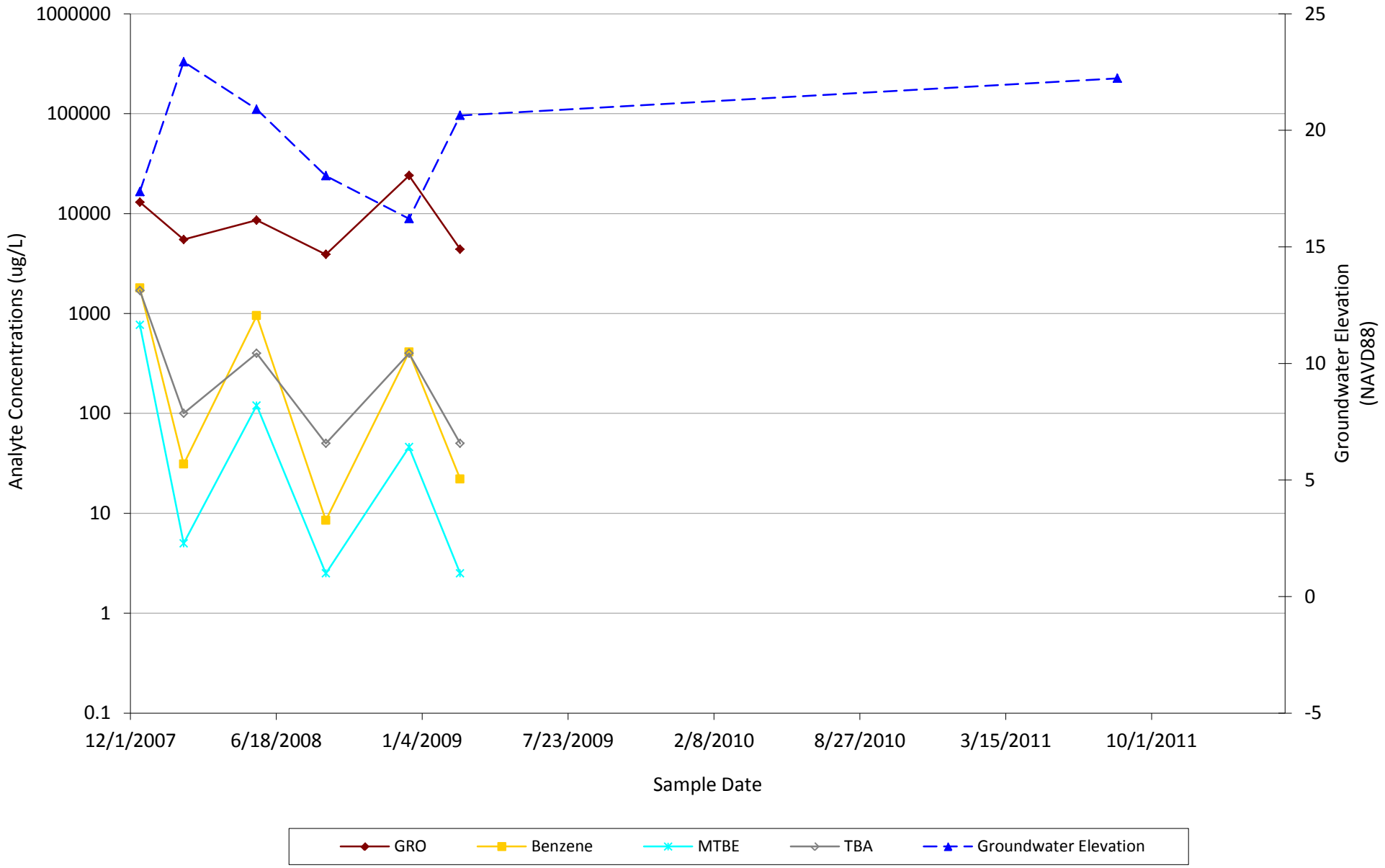
WELL DPE-1
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



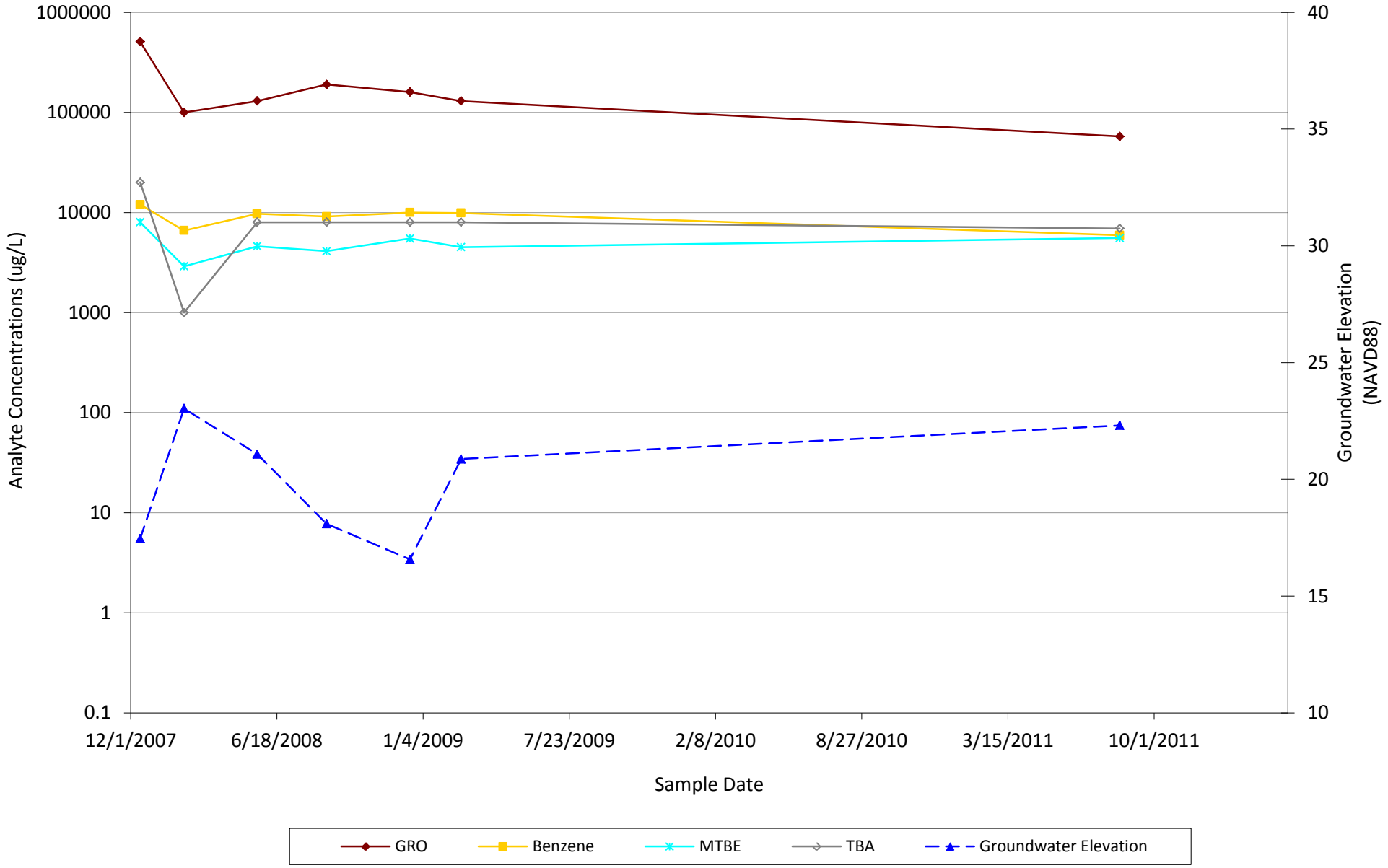
WELL DPE-2
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



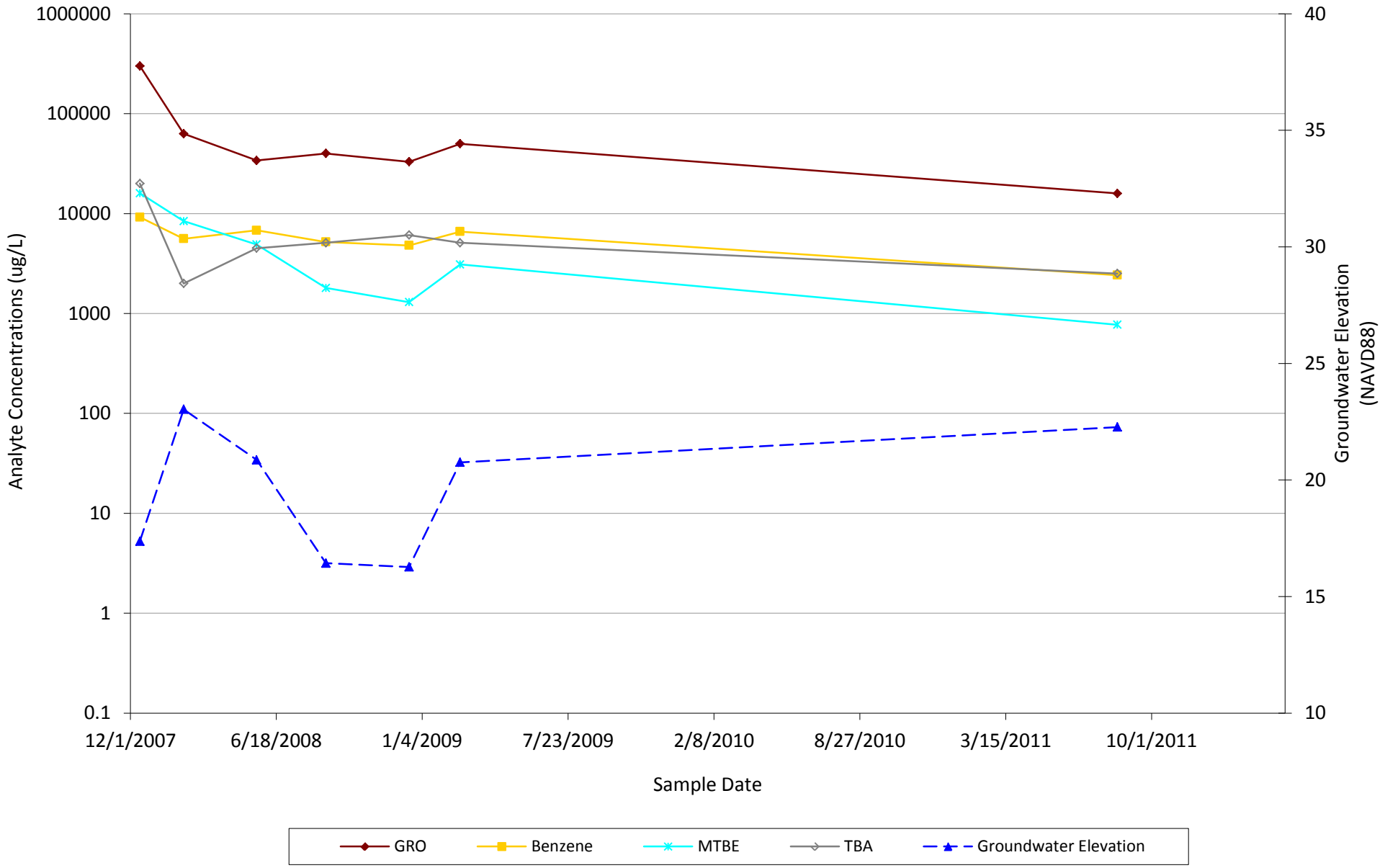
WELL DPE-3
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



WELL DPE-4
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



WELL DPE-5
CONTAMINANT CONCENTRATIONS AND GROUNDWATER ELEVATION VERSUS TIME
76 (FORMER BP) SERVICE STATION NO. 11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA



Appendix E

Non-Hazardous Waste Manifests

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

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

Manifest Document No.: 2011117-0612

2. Page 1 of 1

3. Generator's Name and Mailing Address:
Power Quality Electrical Sys
c/o Tejindar Singh
7210 Bancroft Ave
Oakland, CA 94605

Site # 2011117
7210 Bancroft Ave
Oakland, CA 94605

4. Generator's Phone (510) 553-0109

5. Transporter 1 Company Name: Blaine Tech Services

6. US EPA ID Number:

A. State Transporter's ID:

B. Transporter 1 Phone: 310-886-4455

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

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

10. US EPA ID Number: CAD 981 357 572

E. State Facility's ID:

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

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non hazardous waste liquid	1	TT	150 gal	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Wear protective equipment while handling
Weights and volumes are approximate
24 hr emergency phone (310) 886-4455

Approval No SDD-1049
Direct bill Blaine Tech

GENERATOR

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

Printed/Typed Name	Signature	Date (Month / Day / Year)
(Arita Group) Brilyn Thao on behalf of Power Quality Electrical Sys	Brilyn Thao	12 / 21 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Rate Garnish		8 / 21 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Date (Month / Day / Year)
Brian Luckey		1 / 15 / 13

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST

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

Manifest Document No. 2601117-0912

2. Page 1 of 1

3. Generator's Name and Mailing Address
POWER QUALITY & ELECTRICAL SYS.
C/O TEJINDAR SINGH
7210 BANCROFT AVE
OAKLAND, CA 94605

Site # 2601117
7210 Bancroft AVE
Oakland, CA 94605

4. Generator's Phone (510) 553-0109

5. Transporter 1 Company Name: BLAINE TECH SERVICES

6. US EPA ID Number:

A. State Transporter's ID:

B. Transporter 1 Phone: 310-885-4455

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address
SEAPORT ENVIRONMENTAL
100 SEAPORT BLVD
REDWOOD CITY, CA 94063

10. US EPA ID Number: 000013572

E. State Facility's ID:

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

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non hazardous waste liquid	1	TT	115	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Wear protective equipment while handling
Weights and volumes are approximate
24 hr emergency phone No 510-364-1049
Approval No 500-1049
Direct bill Blaine Tech

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

(AreaGroup)

Printed/Typed Name: Jenlyn Thao on behalf of Power Quality & Electrical Sys | Signature | Date: Month 8 Day 2 Year 12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Daniel Allen | Signature | Date: Month 9 Day 27 Year 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name: Brian Webb | Signature | Date: Month 11 Day 15 Year 12

NON-HAZARDOUS WASTE — GENERATOR — TRANSPORTER — FACILITY