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10:28 am, Jul 21, 2011

April 29, 2011

Alameda County
Environmental Health

Barbara Jakub
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

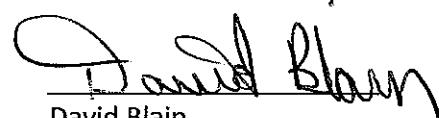
Re: Semi-Annual Ground Water Monitoring Report, March 2011
BPS Reprographics (Formerly City Blue Print)
RWQCB Case #01-0210
1700 Jefferson St
Oakland CA, 94612

Dear Barbara Jakub,

I have directed ERS to provide, on our behalf, professional environmental consulting services to the best of their ability. To the best of my knowledge the information in this report is accurate and all local Agency and/or Regional Water Quality Control Board regulations and guidelines have been followed.

This report was prepared by ERS and I have relied on their advice and assistance. I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,



David Blain
Authorized Representative

Attachment: Report

SEMI-ANNUAL GROUND WATER MONITORING REPORT MARCH 2011

**BPS REPROGRAPHICS
1700 Jefferson Street
Oakland, California**



ers

A stylized logo where the letters "e", "r", "s" are stacked vertically, with horizontal bars extending from the "e" and "s" to form a horizontal line.

**Environmental Risk Specialties
Corporation**

April 29, 2011
Mr. David Blain
BPS Reprographic Services
945 Bryant Street
San Francisco, CA 94103

RE: Semi-Annual Ground Water Monitoring Report, March 2011
1700 Jefferson Street, Oakland, California
Fuel Leak Case No. RO 151
ERS Project No 1015-01.00

Dear Mr. Blain:

Environmental Risk Specialties Corporation (ERS) encloses herein one hard copy of the Semi-Annual Ground Water Monitoring Report, March 2011 for 1700 Jefferson Street, Oakland, California. ERS will also upload the Report along with monitor well sampling and analytical data to the Regional Water Quality Control Board's GeoTracker database.

If you have any questions regarding this report or the findings of the work, please contact me at (925) 938-1600, extension 102 or email me at smichelson@erscorp.us.

Sincerely,



Steven Michelson, PG

Principal Geologist

cc: Ms. Barbara Jakub, Alameda County Department of Environmental Health

SEMI-ANNUAL GROUND WATER MONITORING REPORT

March 2011

1700 Jefferson Street
Oakland, California

Prepared for:

Mr. David Blain
BPS Reprographic Services
945 Bryant Street
San Francisco, CA 94103

Prepared by:

Environmental Risk Specialties Corporation
Walnut Creek, California
April 29, 2011

Reviewed By:


Steven Michelson, PG

Principal Geologist



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1.0 INTRODUCTION

This Semi-Annual Ground Water Monitoring Report was prepared by Environmental Risk Specialties Corporation (ERS) on behalf of BPS Reprographic Services. This Report describes ground water monitoring work performed at 1700 Jefferson Street, Oakland, California (Site). The project objectives were to sample and analyze ground water from four existing monitor wells, measure the depth to ground water in all existing wells to calculate ground water gradient magnitude and direction, evaluate analytical results, and report the findings.

2.0 BACKGROUND

The Site is located on the northeast corner of the intersection of Jefferson Street and 17th Street in Oakland, California. The Site is a former gas station that had two 1,000 gallon gasoline underground storage tanks (USTs) and one 550 gallon waste oil UST. On February 20, 1987, three borings (Borings 1 through 3) were advanced for a geotechnical investigation. Two additional borings (Borings 4 and 5) were advanced near the former USTs. On June 16, 1987, three gasoline USTs, product lines and dispensers were removed, overexcavated, and backfilled without confirmation sampling. Soil was excavated to approximately 9.5 feet, which was the maximum reach of the excavation equipment. The soil was stockpiled and then spread out for aeration. The excavation was subsequently backfilled on August 5 and 6, 1987 with the aerated soil.

Three ground water monitor wells were installed in June 1987 (MW-1 to MW-3) and well MW-1 initially contained 30 inches of free-phase floating product (free product). Well MW-2 was subsequently destroyed on November 9, 1987 when the current building was constructed. On August 12, 1987, Boring 6 was advanced to investigate soil permeability. In January 1988, ground water extraction wells MW-1A and MW-4 were installed to remove free product. In August 1988, offsite well MW-5 was installed.

Free product was removed from well MW-1 on a daily basis yielding an estimated 2,300 gallons of free product from September 1987 to March 1991. A ground water extraction and treatment system was installed in June 1992. The system was removed in July 1999, after extracting an additional 867 gallons of free product. Five Cone Penetrometer Test (CPT) borings both south of the Site and north of well MW-5 were advanced in March 1995. In April 1996, well MW-6 was installed. In April 1998, analyses showed the free product was comprised of leaded gasoline. Measurable thickness free product has not been observed in the wells since 1999.

In 1999, oxygen release compound (ORC®) socks were placed in wells MW-1A, MW-3, MW-4, and MW-5. The ORC® socks were removed at the request of Alameda County Department of Environmental Health in 2002.

Quarterly ground water monitoring of wells MW-1, MW-3, MW-5, and MW-6 has been conducted from January 1994 through March 2009, when semi-annual monitoring commenced. Ground water extraction wells MW-1A and MW-4 were periodically sampled from August 1991 to June 1999.

All monitor wells were previously surveyed on the City of Oakland datum, which has a discrepancy of -5.7 feet from NAVD88, the standard national datum. On April 15, 2010, all monitor wells were resurveyed by Muir Consulting of Oakdale, California to Geotracker specifications using NAVD88 datum.

2.1 Subsurface Conditions

Boring logs indicate that silty sand and clayey sand are present from the surface to a depth of approximately 27.0 to 30.5 feet below ground surface (bgs). Sand was reported in the boring for well MW-4 from approximately 27.0 to 30.5 feet bgs. These soils are underlain by stiff to very stiff, saturated silty clays to the maximum explored depth of 33.0 feet bgs. Ground water was encountered at approximately 25 feet bgs in the boreholes.

3.0 GROUND WATER MONITORING AND SAMPLING

Ground water monitoring and sampling of the Site was performed on March 16, 2011 by ERS personnel. Work at the Site included measuring depth to water, subjectively evaluating the possible presence of petroleum in ground water in the wells, purging and sampling the wells using EPA approved low-flow techniques, and submitting the samples to a state-certified laboratory for analysis.

Ground water elevation data are summarized in Table 1, gradient data are summarized in Table 2, and analytical data are summarized in Table 3. Field sheets of recently recorded ground water monitoring data are included in Appendix A

3.1 Ground Water Monitoring

Before ground water purging and sampling, the depth to the water table was measured from the top of each well casing using an electronic water level meter. The water level

measurements were recorded to the nearest 0.01 foot with respect to mean sea level (MSL).

3.2 Ground Water Gradient

Ground water elevation contours measured on March 16, 2011 are illustrated on Figure 3. The ground water gradient direction is to the west-southwest at an average of 0.0024 ft/ft.

3.3 Ground Water Sampling

Before ground water sampling, each well was purged using low-flow techniques described in the "Low-Flow (Minimal Drawdown) Ground Water Sampling Procedures" (ASTM No 6771-02, 2002). Dedicated tubing, attached to a peristaltic pump, was lowered to the mid-point of the reported screen zone. The pump was set to a rate of less than 1 liter per minute and pH, dissolved oxygen (DO), specific conductance (SC), oxidation reduction potential (ORP), depth to water (DTW) and temperature were measured in three to five minute intervals within a flow-through cell. When depth to water remained constant and parameters stabilized to within $\pm 10\%$ in consecutive readings, the pump rate was reduced, the tube was disconnected from the flow-through cell and samples were collected directly from the dedicated tubing.

From each monitor well, four laboratory-supplied 40-milliliter HCL-preserved sample vials were filled with ground water and sealed with zero headspace. Once filled, sample vials were inverted and tapped to test for air bubbles. Sample containers were labeled and stored in a pre-chilled, insulated container and returned to ERS's Walnut Creek office where they were stored at 4°C. The samples were transported to TestAmerica, a state-certified analytical laboratory, following standard COC protocols for the requested analyses.

Water purged during the development and sampling of the monitor wells is being temporarily stored onsite in a 55-gallon drum pending laboratory analysis and proper disposal.

4.0 RESULTS OF GROUND WATER SAMPLING

Ground water samples collected from wells MW-1, MW-3, MW-5, and MW-6 were analyzed for Total Petroleum Hydrocarbon Gasoline Range Organics (TPH (GRO)), benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8260B. TPH (GRO) represents the total petroleum concentration

from carbon range C5 to C12. Copies of the chain of custody record and laboratory analytical reports with individual and standard chromatograms are included as Appendix B. TPH (GRO), BTEX, and MTBE analytical results are summarized in Table 3.

5.0 DISCUSSION

The available data collected at 1700 Jefferson Street indicates that ground water has been affected by the former USTs. Ground water use as a potential drinking source in this area is highly unlikely due to site location and the high quality public drinking water supplied by EBMUD. In Table 3, the concentrations of petroleum hydrocarbons in the ground water are compared with the Environmental Screening Levels (ESLs) for ground water that is not a potential drinking water source published in 2008 by the San Francisco Bay Regional Water Quality Control Board (RWQCB-SF).

Charts 1 and 2 depict the trends of TPH (GRO) and benzene respectively in the monitor wells MW-1, MW-3, and MW-5 over time. Figures 4 and 5 show the distribution of TPH (GRO) and benzene in ground water at the Site.

6.0 SUMMARY

Based on the results of ground water monitoring performed at 1700 Jefferson Street:

- Ground water gradient direction is to the southwest at an average of 0.0024.
- Silty sand and clayey sand are present from the surface to a depth of approximately 27.0 to 30.5 feet below ground surface.
- Concentrations of TPH (GRO) and benzene increased in wells MW-1, MW-3, and MW-5.
- No detectable TPH (GRO), ethylbenzene, toluene or xylenes concentrations were reported in downgradient well MW-6. However, benzene was detected for the first time at a concentration well below the ESLs.
- Despite seasonal fluctuations, plume concentrations have remained relatively stable over the past 10 years (Charts 1 and 2).
- Based on the recent detection of benzene in well MW-6, the plume appears to be migrating in the down gradient direction (Figure 5).

7.0 REFERENCES

ASTM 2002. *Standard Practice for Low-Flow Purgging and Sampling for Wells and Devices Used for Ground-Water Quality Investigations.* Designation: D 6771-02

California Regional Water Quality Control Board Region 2 – Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, California Environmental Protection Agency, 2008

TABLES

Table 2
GROUND WATER GRADIENT AND FLOW DIRECTION
1700 Jefferson Street, Oakland, California

Date Monitored	Ground Water Gradient	Ground Water Direction
6/11/1996	0.003	SW
6/4/1997	0.009	NW
3/31/1998	0.002	W
8/28/1998	0.007	E
12/2/1998	0.006	NW
3/10/1999	0.011	NW
9/29/1999	0.004	NW
2/11/2000	0.001	NW
5/30/2000	0.003	W
11/16/2000	0.044	W
4/2/2001	0.001	SW
6/28/2001	0.005	SW
8/30/2001	0.004	SW
4/23/2002	0.006	W-SW
6/14/2002	0.004	W-SW
8/20/2002	0.005	W-SW
12/27/2002	0.005	W-SW
4/1/2003	0.007	W-SW
7/1/2003	0.006	W-NW
9/24/2003	0.005	W-NW
12/29/2003	0.003	W-NW
5/18/2004	0.006	W
6/30/2004	0.002	N
9/23/2004	0.005	W
12/28/2004	0.0451	SE ¹
3/16/2005	0.01	SW
6/23/2005	0.005	W
9/9/2005	0.005	W
12/2/2005	0.006	NW
3/24/2006	0.006	NW
9/13/2006	0.005	W-NW
12/13/2007	0.004	W-NW
3/26/2008	0.004	W
6/2/2008	0.004	W
9/10/2008	0.005	W
3/3/2009	0.004	W
9/3/2009	0.003	W-NW
3/3/2010	0.002	SW
9/8/2010	0.0015	W-SW
3/16/2011	0.0024	W-SW

Notes:

¹ MACTEC reported an error in groundwater measurement

CHARTS

CHART 1
Concentrations of TPH (GRO) vs. Time in MW-1, MW-3, and MW-5
1700 Jefferson, Oakland, California

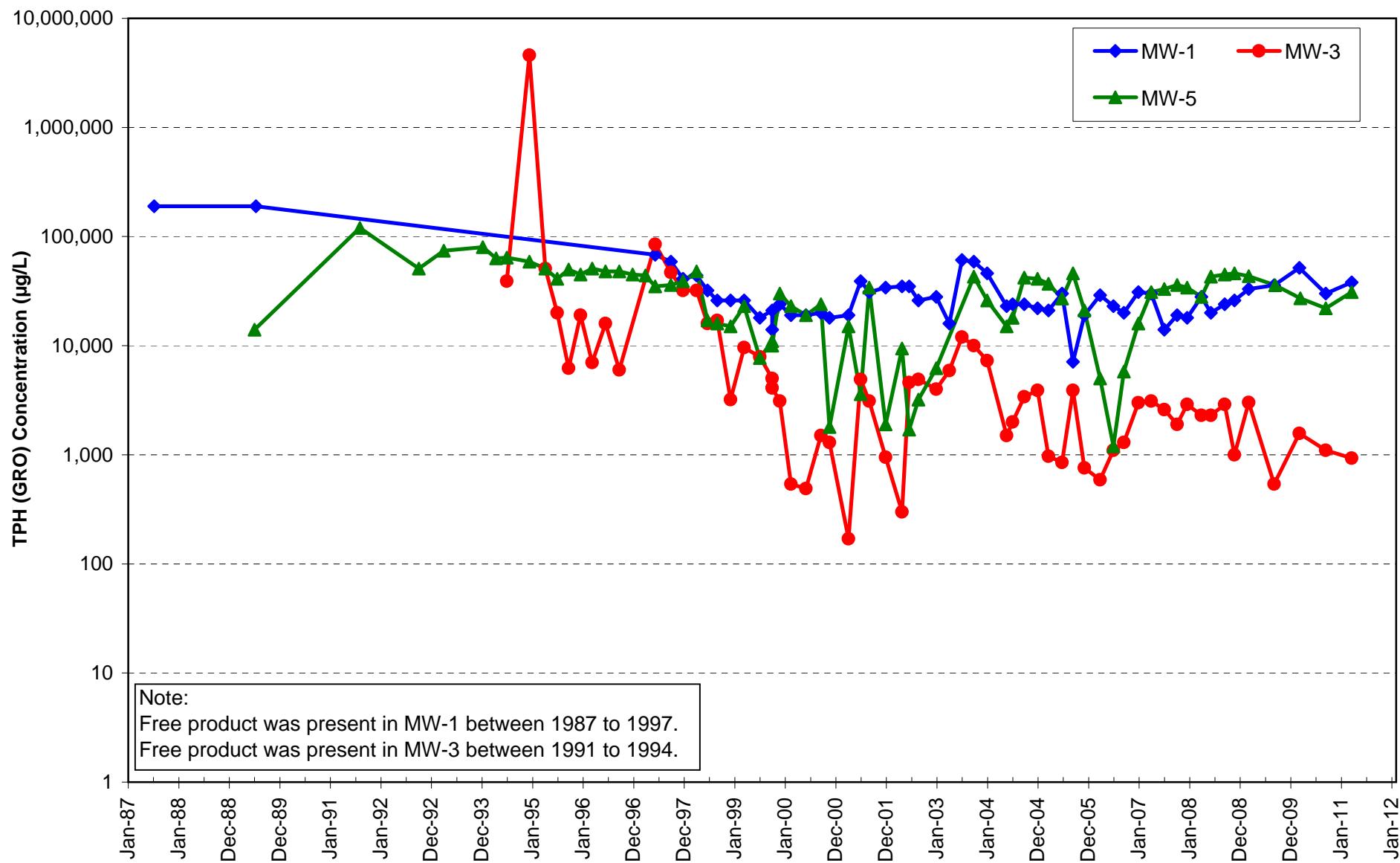
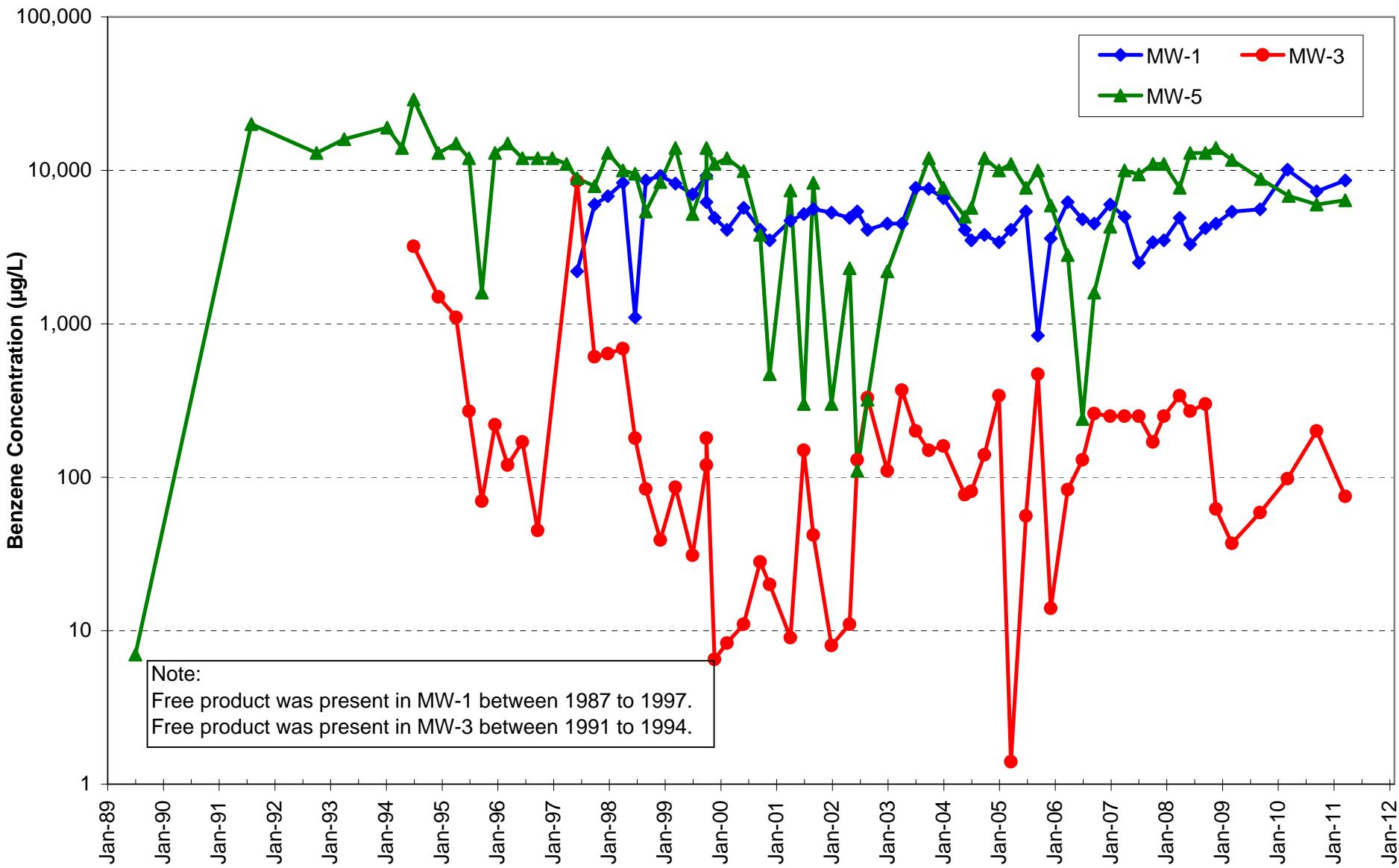
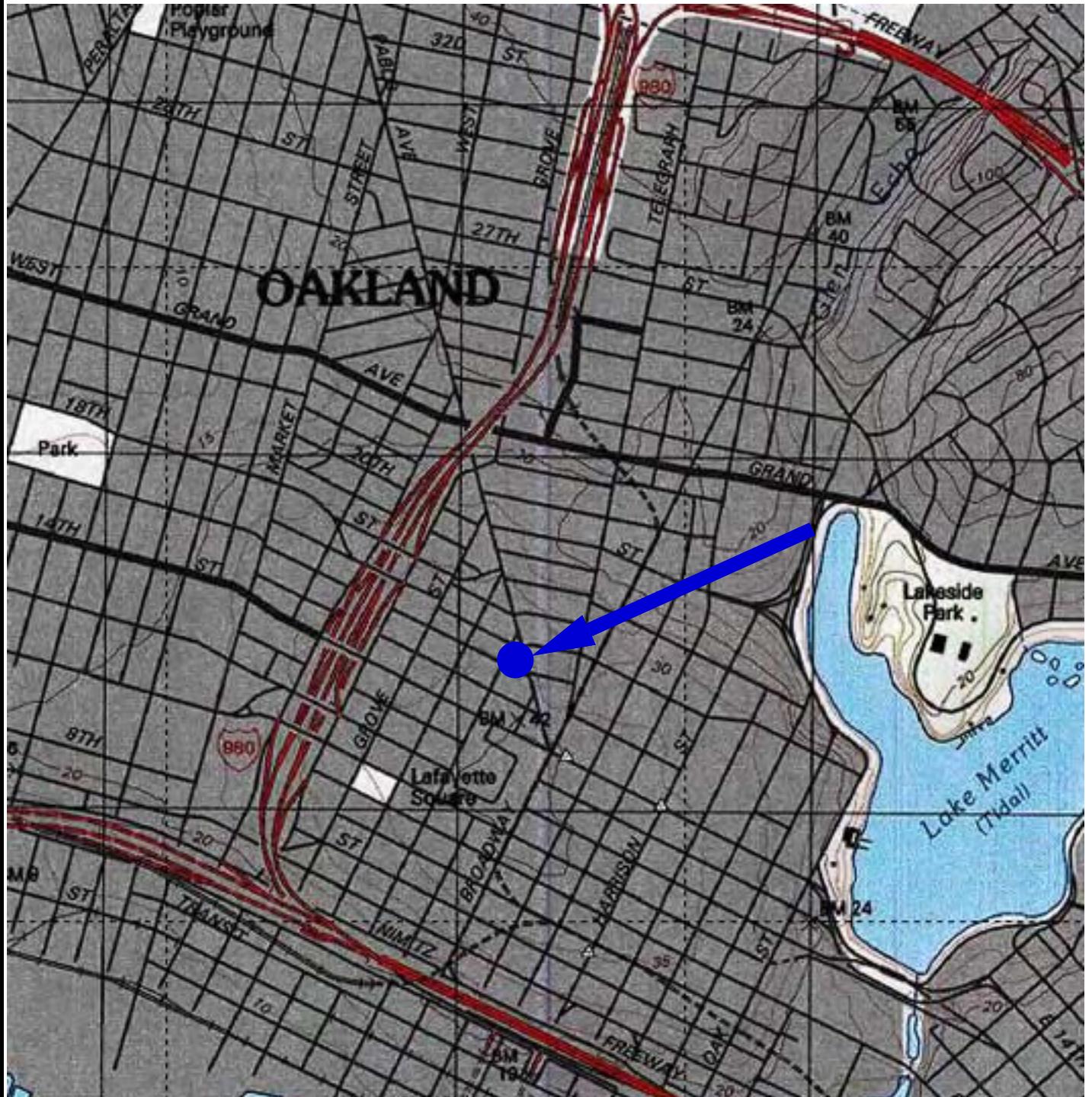


CHART 2
Concentrations of Benzene vs. Time in MW-1, MW-3, and MW-5
1700 Jefferson, Oakland, California



FIGURES

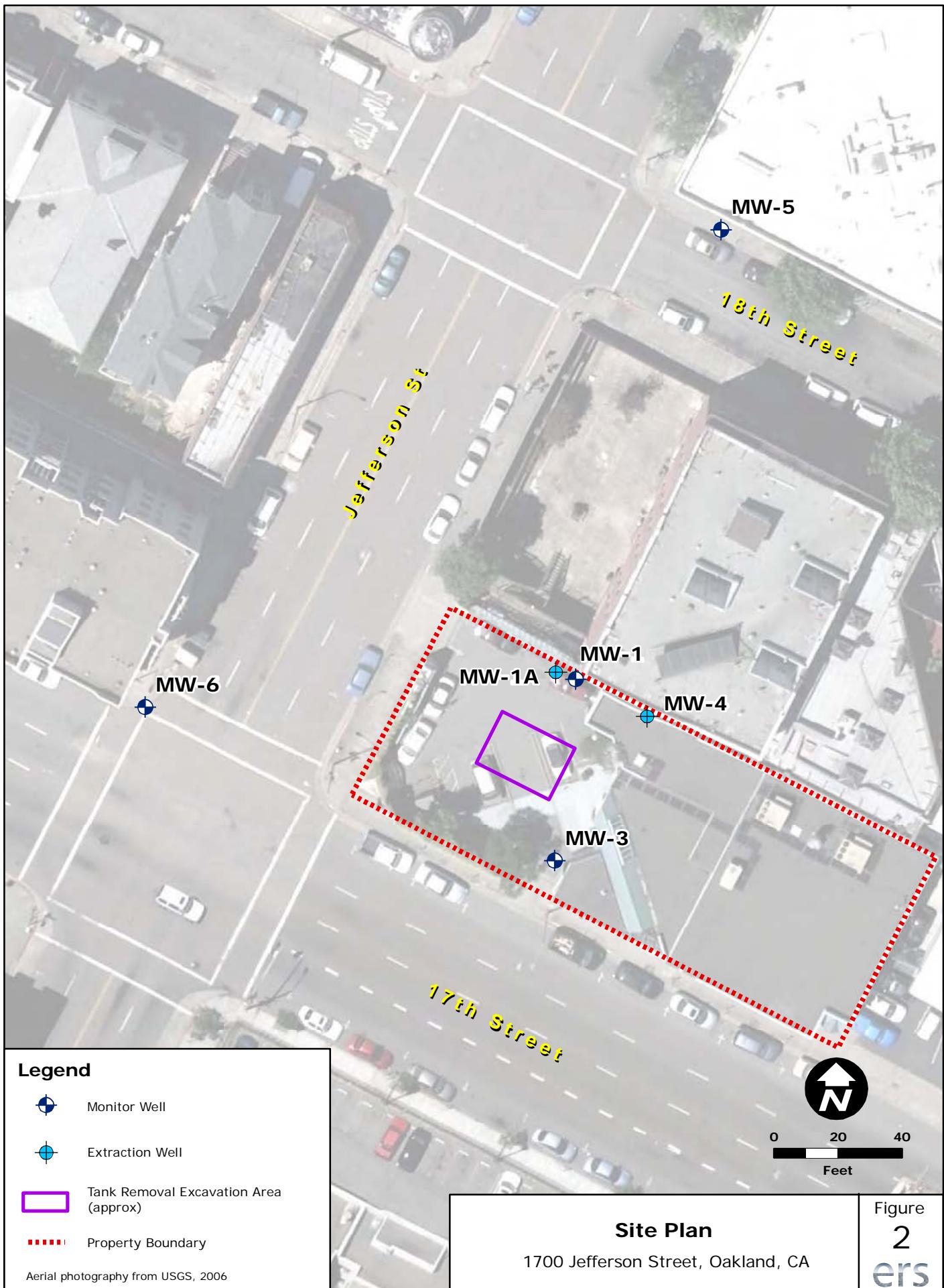


Location Map
1700 Jefferson Street
Oakland, California

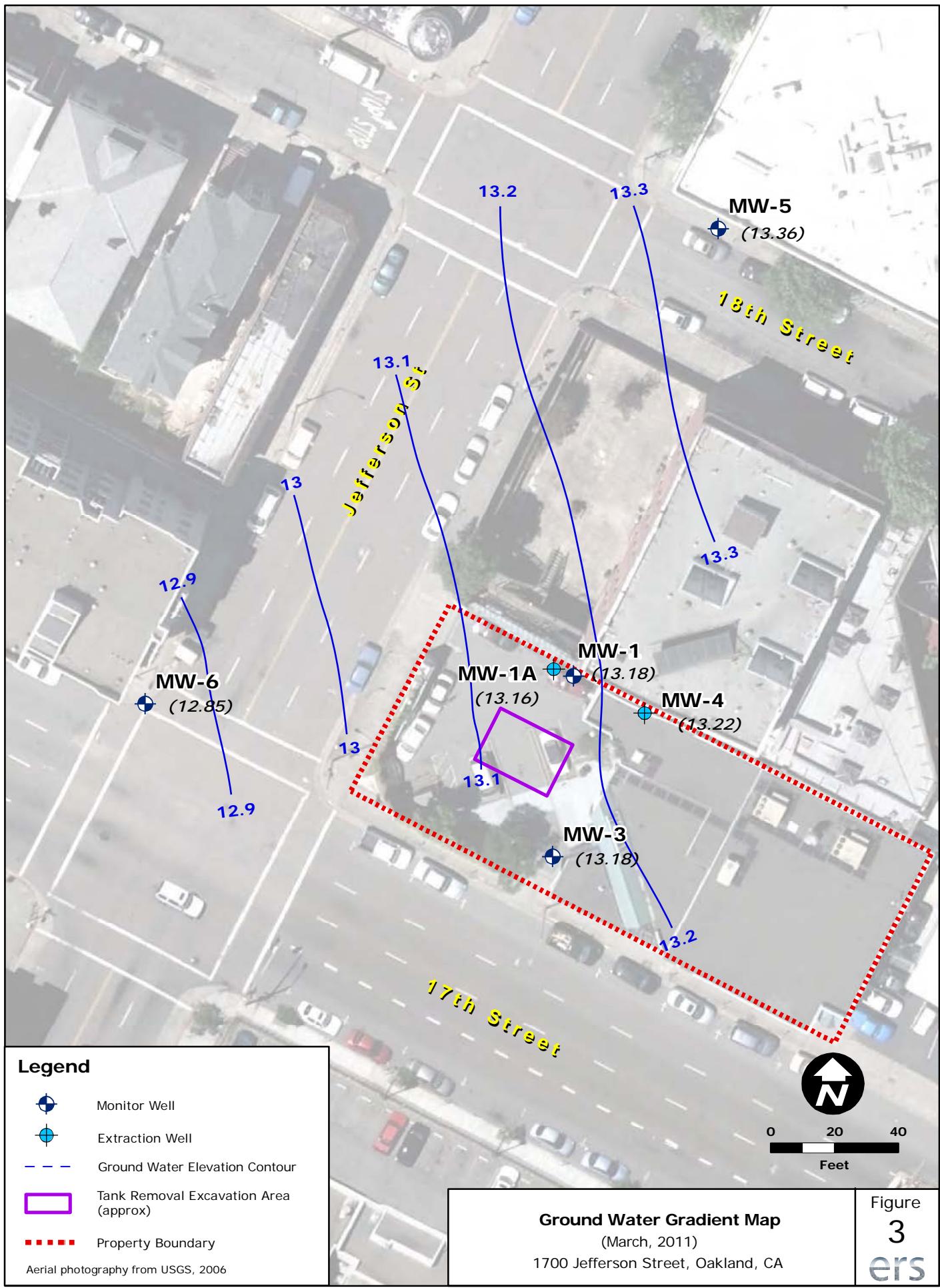
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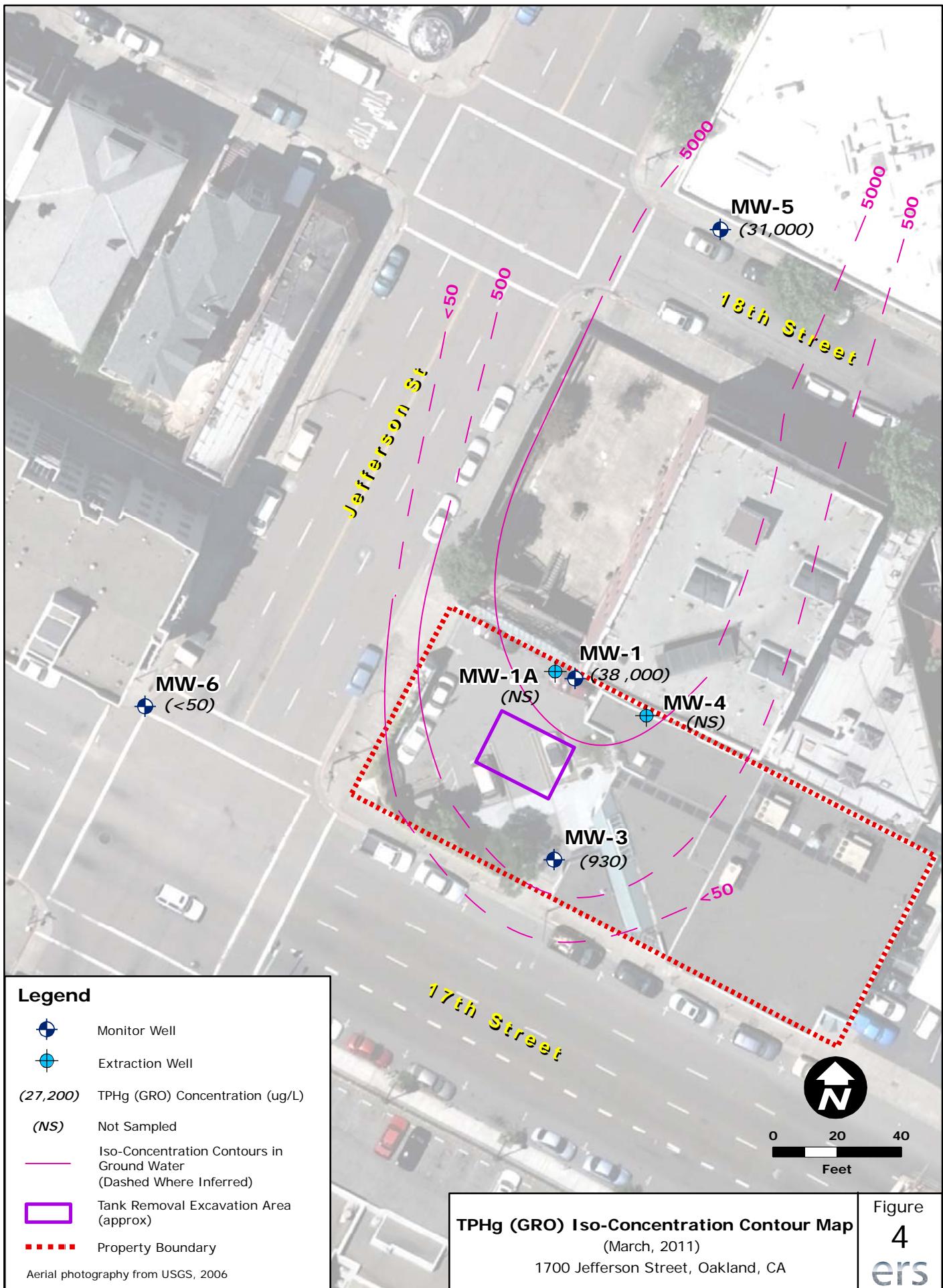
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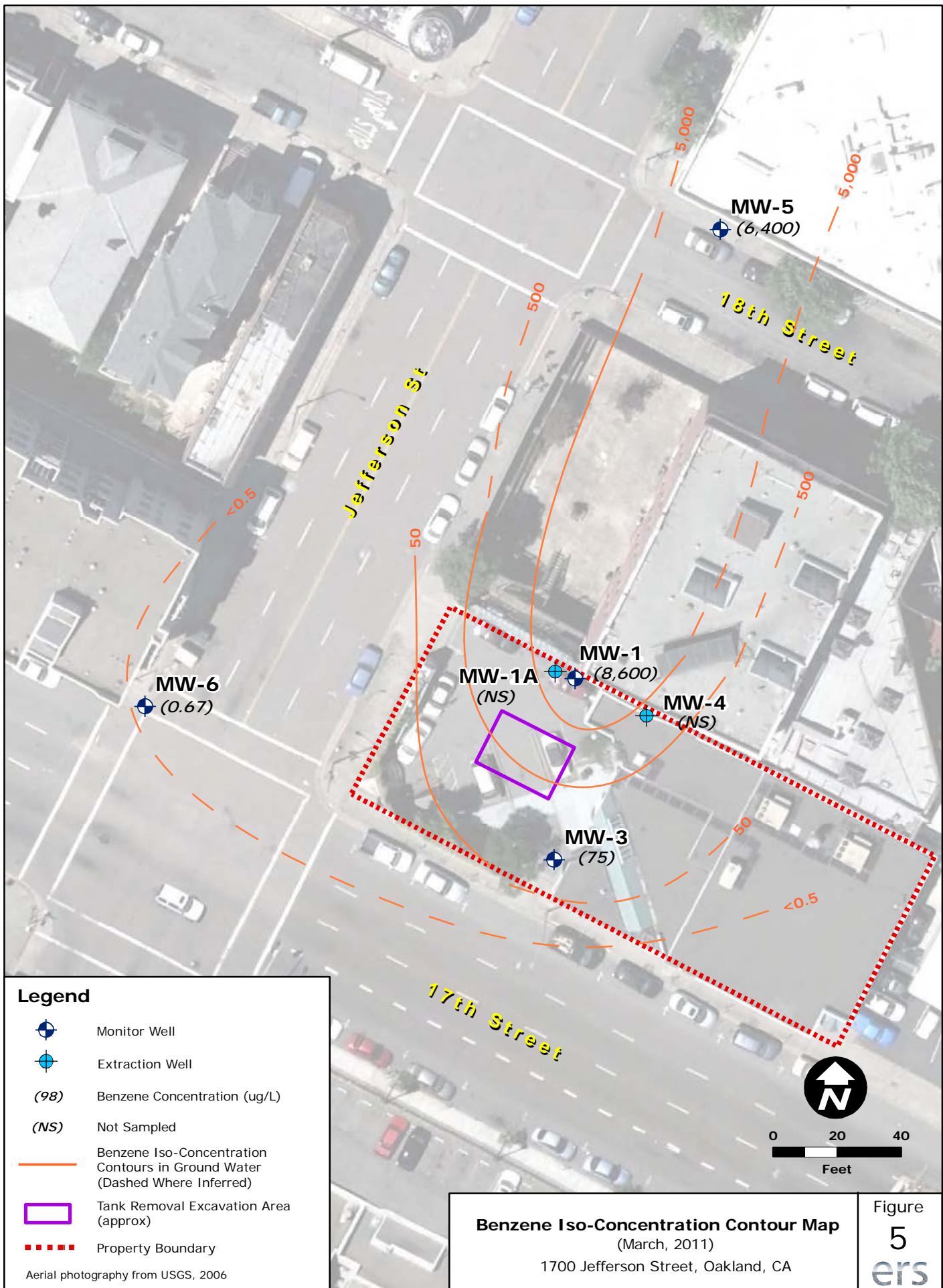
ERS Corporation



0 20 40
Feet







Benzene Iso-Concentration Contour Map
(March, 2011)

1700 Jefferson Street, Oakland, CA

Figure
5
ers

APPENDIX A:

MONITOR WELL WORKSHEETS

Monitoring Well Gauging and Purging Data Sheet

Date: 3-16-11	Project No. BPS	Site: 1703 Jefferson	Location: 1703 Jefferson, Oakland CA					Initials: TR E	
Purge Method: Peristaltic			Gauging Time: 1245	Gauging Time: 1300	Purge Starting Time: 1300		Purge Ending Time:	Sampling Method: Peristaltic	
Well ID	Diameter (in)	Depth to Bottom (ft)	Initial Depth to Water from TOC (ft)	Equilibrated Depth to Water from TOC (ft)	Static Water Column (ft)	Casing Volume (gal)	Purged Volume (gal)	Depth to Product (ft)	Note:
MW-1	4	32.36	23.63	23.63	8.73	5.2	3	None	Strong Odor
MW-1A	4	-	22.09	22.09	-	-	-	-	" "
MW-3	4	31.77	23.05	23.05	8.72	5.2	5	-	" "
MW-4	4	-	23.55	23.55	-	-	-	-	Strong odor
MW-5	2	30.56	21.85	21.85	8.71	5.2	5	-	
MW-6	2	31.26	23.06	23.06	8.2	4.92	3	↓	
Casing Volume = Static Water Column x Conversion Factor					Conversion Factor: 2-in well = 0.163 gal/ft, 4-in well = 0.653 gal/ft, 6-in well = 1.469 gal/ft				
Total purged volume from all wells (gals): 161									

Monitor Well Data Sheet

Site Name:	BPS		Well/Sample ID: MW-1				
Location:	1700 Jefferson		Initial Depth to Water (DTW): 23.63				
Client:	BPS Reprographics		Total Well Depth (TD): 32.36				
Sampler:	TRP		Well Diameter: 4"				
Date:	3/16/11		1 Casing Volume: ~ 5.2 l				
Purge Method:	Peristaltic		Purge Rate: 0.15 l/min				
Sample Method:	1		Sampling Rate: "				
2" well x 1 foot = 0.6 liters			4" well x 1 foot = 2.4L				
Time	pH	SC/EC	DO	Temp	DTW	Cumulative Volume	Observations
1310	6.73	1565	1.24	17.41	23.77	1 l	-202
1313	6.73	1560	0.83	17.46	23.77	1.85	-203
1316	6.73	1556	0.83	17.51	23.77	4.2	-204
1319	6.73	1553	0.81	17.52	23.77	2.5	-205
Did Well Dewater?	No	Start Purge Time:		(305	DTW prior to sample:		23.77
Casing volumes Purged	1/2	Stop Purge Time:		1325	Start Sample Time:		1330
Length of Tubing (ft):	33	Total Liters Purged:		3	Total Sample Volume:		120nl
Instrument ID(s):	061696 4S1-556		Last Calibrated: 3-16-11 7:00				

Notes: Strong odors, TPH gasoline

Monitor Well Data Sheet

Site Name: BPS	Well/Sample ID: MW-3
Location: 1700 Jefferson	Initial Depth to Water (DTW): 23.05
Client: BPS Photographics	Total Well Depth (TD): 31.77
Sampler: TRF	Well Diameter: 4 "
Date: 3-16-11	1 Casing Volume: 35L
Purge Method: Peristaltic	Purge Rate: 0.2 l/min
Sample Method: //	Sampling Rate: //
2" well x 1 foot = 0.6 liters	4" well x 1 foot = 2.4L

Time	pH	SC/EC µS/cm	DO mg/L	Temp °C	DTW feet	Cumulative Volume	Observations
1342	6.59	719	0.90	18.94	23.19	1.5L	-200.3
1345	6.53	717	0.80	18.88	23.20	2L	-198.7
1348	6.52	717	0.75	18.89	23.20	2.5L	-190.5
1351	6.49	717	0.58	18.98	23.20	3L	-187.9
1354	6.48	717	0.53	19.01	23.20	4L	-188.7
1357	6.48	717	0.54	19.02	23.20	4.5L	-180

Did Well Dewater?	No	Start Purge Time:	1335	DTW prior to sample:	23.20
Casing volumes Purged	1	Stop Purge Time:	1359	Start Sample Time:	1400
Length of Tubing (ft):	32	Total Liters Purged:	5	Total Sample Volume:	120L
Instrument ID(s):	06 HK96 - 451556	Last Calibrated:	3-16-11 9:00		

Notes:

Oder present TPH gasoline

Monitor Well Data Sheet

Site Name: BPS	Well/Sample ID: MW - 5						
Location: 1700 Jefferson	Initial Depth to Water (DTW): 21.85						
Client: BPS	Total Well Depth (TD): 30.5L						
Sampler: TRF	Well Diameter: 2 "						
Date: 3.16.11	1 Casing Volume: 5.2						
Purge Method: Peristaltic	Purge Rate: 0.2L/min						
Sample Method:	Sampling Rate:						
2" well x 1 foot = 0.6 liters		4" well x 1 foot = 2.4L					
Time	pH	SC/EC	DO	Temp	DTW	Cumulative Volume	Observations
1442	6.80	1223	0.73	18.98	21.91	0.5L	-130.7
1446	6.79	1227	0.74	19.18	21.95	1	-139.3
1449	6.78	1243	0.78	19.24	21.95	1.5L	-140.1
1452	6.78	1245	0.44	19.24	21.95	2 L	-142.3
1455	6.78	1240	0.45	19.25	21.95	2.5	-141.1
Did Well Dewater?	No	Start Purge Time:		1437	DTW prior to sample:		21.95
Casing volumes Purged	1	Stop Purge Time:		1458	Start Sample Time:		1500
Length of Tubing (ft):	31	Total Liters Purged:		5	Total Sample Volume:		120.4L
Instrument ID(s):	06k1696 - 451 556			Last Calibrated: 3.16.11 9:00			

Notes:

Monitor Well Data Sheet

Site Name: <i>BPS</i>	Well/Sample ID: <i>MW-6</i>							
Location: <i>1700 Jefferson</i>	Initial Depth to Water (DTW): <i>23.06</i>							
Client: <i>BPS</i>	Total Well Depth (TD): <i>31.26</i>							
Sampler: <i>TRF</i>	Well Diameter: <i>2"</i>							
Date: <i>3.16.11</i>	1 Casing Volume: <i>4.9 l</i>							
Purge Method: <i>Peristaltic</i>	Purge Rate: <i>0.2 l/min</i>							
Sample Method: <i>"</i>	Sampling Rate: <i>"</i>							
2" well x 1 foot = 0.6 liters		4" well x 1 foot = 2.4L						
Time	pH	SC/EC	DO	Temp	DTW	Cumulative Volume	Observations	
1413	6.62	1182	1.14	19.59	23.15	0.5	-122.3	
1416	6.62	1193	0.73	19.82	23.16	1	-121.5	
1419	6.62	1198	0.62	19.91	23.20	1.5	-120.7	
1422	6.62	1202	0.36	19.96	23.21	2	-120.2	
1425	6.61	1205	0.33	19.94	23.21	2.5	-121.5	
1428	6.61	1207	0.31	19.93	23.21	3	-121.0	
Did Well Dewater?	<i>No</i>	Start Purge Time:		<i>1410</i>	DTW prior to sample:		<i>23.21</i>	
Casing volumes Purged	<i>1/2</i>	Stop Purge Time:		<i>1429</i>	Start Sample Time:		<i>1430</i>	
Length of Tubing (ft):	<i>32'</i>	Total Liters Purged:		<i>3</i>	Total Sample Volume:		<i>120.6</i>	
Instrument ID(s):	<i>661-1696-951 556</i>			Last Calibrated: <i>3.16.11 9:00</i>				

Notes:

APPENDIX B:

LABORATORY ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-33926-1

Client Project/Site: 1700 Jefferson, Oakland

For:

Environmental Risk Services, Corp.

1600 Riviera Ave

Suite 310

Walnut Creek, California 94596

Attn: Tyson Fulmer

Surinder Sidhu

Authorized for release by:

03/24/2011 02:28:10 PM

Surinder Sidhu

Customer Service Manager

surinder.sidhu@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Chain of Custody	14
Sample Receipt Checklist	15

Qualifier Definition/Glossary

Client: Environmental Risk Services, Corp.
Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-33926-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
<input checked="" type="checkbox"/>	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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Case Narrative

Client: Environmental Risk Services, Corp.
Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-33926-1

Job ID: 720-33926-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative
720-33926-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

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Analytical Data

Client: Environmental Risk Services, Corp.
Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-33926-1

Client Sample ID: MW-6

Lab Sample ID: 720-33926-4

Date Collected: 03/16/11 14:30

Matrix: Water

Date Received: 03/17/11 09:33

Method: 8260B/CA LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/17/11 20:13	1
Benzene	0.67		0.50		ug/L			03/17/11 20:13	1
Ethylbenzene	ND		0.50		ug/L			03/17/11 20:13	1
Toluene	ND		0.50		ug/L			03/17/11 20:13	1
Xylenes, Total	ND		1.0		ug/L			03/17/11 20:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/17/11 20:13	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130					03/17/11 20:13	1
1,2-Dichloroethane-d4 (Surr)	107		67 - 130					03/17/11 20:13	1
Toluene-d8 (Surr)	98		70 - 130					03/17/11 20:13	1

QC Association Summary

Client: Environmental Risk Services, Corp.
Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-33926-1

GC/MS VOA

Analysis Batch: 87840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-33926-1	MW-1	Total/NA	Water	8260B/CA_LUF TMS	1
720-33926-2	MW-3	Total/NA	Water	8260B/CA_LUF TMS	2
720-33926-3	MW-5	Total/NA	Water	8260B/CA_LUF TMS	3
720-33926-4	MW-6	Total/NA	Water	8260B/CA_LUF TMS	4
MB 720-87840/4	MB 720-87840/4	Total/NA	Water	8260B/CA_LUF TMS	5
LCS 720-87840/5	LCS 720-87840/5	Total/NA	Water	8260B/CA_LUF TMS	6
LCSD 720-87840/6	LCSD 720-87840/6	Total/NA	Water	8260B/CA_LUF TMS	7
LCS 720-87840/7	LCS 720-87840/7	Total/NA	Water	8260B/CA_LUF TMS	8
LCSD 720-87840/8	LCSD 720-87840/8	Total/NA	Water	8260B/CA_LUF TMS	9

Certification Summary

Client: Environmental Risk Services, Corp.
Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-33926-1

Laboratory	Authority	Program	EPA Region	Certification ID	* Expiration Date
TestAmerica San Francisco	California	State Program	9	2496	01/31/12

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

* Any expired certifications in this list are currently pending renewal and are considered valid.

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Method Summary

Client: Environmental Risk Services, Corp.
Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-33926-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFT MS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Environmental Risk Services, Corp.
Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-33926-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-33926-1	MW-1	Water	03/16/11 13:30	03/17/11 09:33
720-33926-2	MW-3	Water	03/16/11 14:00	03/17/11 09:33
720-33926-3	MW-5	Water	03/16/11 15:00	03/17/11 09:33
720-33926-4	MW-6	Water	03/16/11 14:30	03/17/11 09:33

Login Sample Receipt Checklist

Client: Environmental Risk Services, Corp.

Job Number: 720-33926-1

Login Number: 33926

List Source: TestAmerica San Francisco

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	