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APPLIED WATER RESOURCES
CORPORATION



1600 Riviera Avenue, Suite 310, Walnut Creek, California 94596
925 426 1112

July 24, 2013

Rosalia Goddard
ARC Document Solutions
945 Bryant Street
San Francisco, CA 94103

RE: Semi-Annual Ground Water Monitoring Report
1700 Jefferson Street, Oakland, California
Fuel Leak Case No. RO 151

Dear Ms. Goddard:

Applied Water Resources (AWR) encloses herein one copy of the Semi-Annual Ground Water Monitoring Report for 1700 Jefferson Street, Oakland, California. AWR 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) 426-1112 or email me at tfulmer@awrcorp.net

Sincerely,

A handwritten signature in black ink, appearing to read "Tyson Fulmer".

Tyson Fulmer, PG
Project Geologist

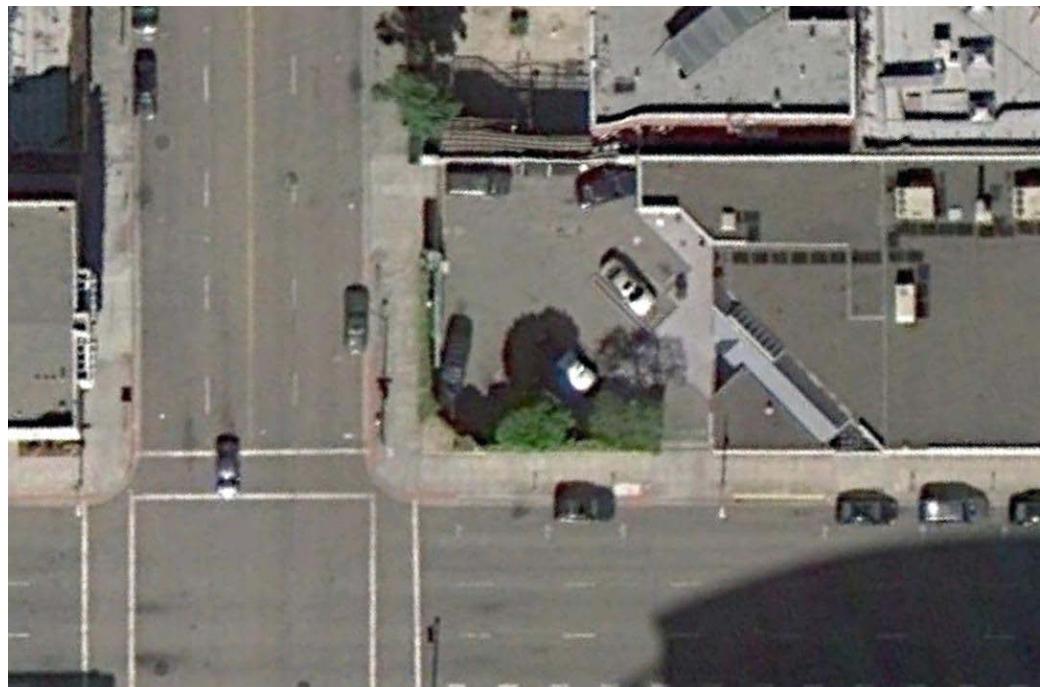
cc: Ms. Barbara Jakub, Alameda County Department of Environmental Health



SEMI-ANNUAL GROUND WATER MONITORING REPORT

1700 Jefferson, Oakland, CA

July 2013



SEMI-ANNUAL
GROUND WATER MONITORING REPORT
July 2013

1700 Jefferson Street
Oakland, California

Prepared for:

ARC Document Solutions
945 Bryant Street
San Francisco, CA 94103

Prepared by:
Applied Water Resources Corporation
Walnut Creek, California

July 23, 2013



Prepared By:
Yola Bayram
Staff Geologist



Reviewed By:
Tyson Fulmer, PG
Project Geologist

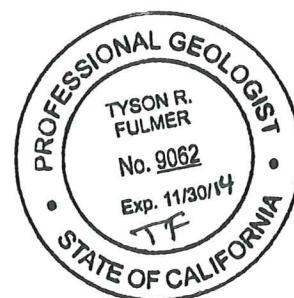


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1.0 INTRODUCTION

This Semi-Annual Ground Water Monitoring Report was prepared by Applied Water Resources Corporation (AWR) on behalf of ARC Document Solutions. 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 five 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 AND SITE HISTORY

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, off-site 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 consisted of leaded gasoline. Measurable thickness of 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.



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

Re: ARC Document Solutions (Formerly City Blue Print)
RWQCB Case #01-0210
1700 Jefferson St
Oakland CA, 94612

Dear Barbara Jakub,

ARC had directed AWR Corporation 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 AWR Corporation and ARC has 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,

A handwritten signature in black ink, appearing to read "K.R. Shadley". The signature is fluid and cursive, with "K.R." at the top and "Shadley" written below it in a larger, more stylized script.

Authorized Representative
Attachment: Report

On April 15, 2010, all monitor wells were surveyed by Muir Consulting of Oakdale, California to Geotracker specifications using NAVD88 datum. The prior monitor well elevations referenced the City of Oakland datum, which differs -5.7 feet from NAVD88, the standard national datum.

In April of 2011, three wells were installed at the Merrill Sign Company, a RWQCB site located on the corner of 18th and Jefferson St (PDE, 2011). AWR coordinated with PDE to measure depth to water and collected ground water samples in the monitor wells at both sites. The Merrill Site was given case closure on July 31, 2012 and the monitor wells were destroyed shortly after.

2.1 Subsurface Conditions

Boring logs show that silty sand and clayey sand are present from the surface to a depth of approximately 17.5 feet below ground surface (bgs). Sand was reported in the borings from approximately 17.5 to 31.0 feet bgs with the exception of MW-5 where sand was reported from the surface to 31.0 feet bgs with a layer of silty sand from 6 to 12 feet bgs. These soils are underlain by stiff to very stiff, saturated silty clays to the maximum explored depth of 41.5 feet bgs. Ground water was encountered at approximately 23 feet bgs in the boreholes.

3.0 GROUND WATER MONITORING AND SAMPLING

Ground water monitoring and sampling of the Site was performed on March 25, 2013 by AWR 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 ASTM low-flow sampling techniques, and submitting the samples under chain of custody 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 purging and sampling ground water, depth to water 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.

3.2 Ground Water Gradient

Ground water elevation contours are illustrated on Figure 3. The ground water gradient direction is to the west-northwest at an average of 0.003 ft/ft. A rose diagram depicting cumulative ground water gradients is presented in Figure 6.

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 AWR'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 off-site disposal.

4.0 RESULTS OF GROUND WATER SAMPLING

Ground water samples collected from wells MW-1, MW-3, MW-4, MW-5, and MW-6 were analyzed for Total Petroleum Hydrocarbon as Gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8260B. The TPHg number represents the total concentration of hydrocarbons in the C7 to C12 carbon chain range, using a laboratory response factor calibrated to a gasoline standard. Copies of the chain of custody record and laboratory analytical reports with individual and standard chromatograms are included as Appendix B. TPHg, 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 fuel from the former USTs. In Table 3, ground water concentrations are compared to RWQCB Environmental Screening Levels (ESLs) (Revised May, 2013). Ground water use as a potential source of drinking water in this area is highly unlikely due to the site location and the high quality public drinking water supplied by EBMUD. Therefore, ground water ESLs for evaluation of potential vapor intrusion were selected for BTEX compounds. Because there is no vapor intrusion ESL listed for TPHg, the drinking water quality goal is listed instead.

Charts 1 and 2 depict the trends of TPHg and benzene respectively in the monitor wells MW-1, MW-3, and MW-5 over time. Figures 4 and 5 show the distribution of TPHg 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 west-northwest at an average of 0.003 ft/ft.
- Concentrations of TPHg and benzene decreased or remained at the same concentration in all wells.
- No detectable TPHg and BTEX concentrations were reported in the downgradient well MW-6.
- From 1999 to 2012, concentrations of TPHg, benzene, toluene, and total xylenes all decreased by an order of magnitude in MW-4.
- Despite seasonal fluctuations, concentrations in ground water have remained relatively stable over the past 10 years as depicted in Charts 1 and 2



7.0 REFERENCES

ASTM 2002. *Standard Practice for Low-Flow Purgung 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

P&D Environmental (PDE), Ground Water Monitoring Well Installation Report, Merrill Sign Company, May 2011



TABLES



Table 1
GROUND WATER ELEVATIONS
1700 Jefferson Street, Oakland, California

Well ID	MW-1		MW-1A		MW-3		MW-4		MW-5		MW-6	
Top of Casing (ft above MSL)	36.81		35.25		36.23		36.77		35.21		35.91	
Date	DTW (ft bgs)	GWE (ft bgs)										
7/8/1987	25.75	5.69	--	--	25.50	6.27	--	--	--	--	--	--
7/12/1989	26.00	5.44	--	--	24.44	7.33	--	--	24.91	4.31	--	--
Data not available from 1990 to 1995												
3/6/1996	NS	--	--	--	24.79	6.98	--	--	23.53	7.03	NA	--
6/11/1996	FP	--	--	--	25.60	6.17	--	--	23.78	6.78	25.16	6.10
9/19/1996	FP	--	--	--	26.09	5.68	--	--	24.48	6.08	25.76	5.50
12/23/1996	FP	--	--	--	FP	--	--	--	24.83	5.73	25.88	5.38
3/27/1997	FP	--	--	--	FP	--	--	--	23.82	6.74	24.78	6.48
6/4/1997	26.41	5.95	--	--	25.11	6.66	--	--	23.92	6.64	24.60	6.66
9/26/1997	26.80	5.56	--	--	25.41	6.36	--	--	24.29	6.27	24.80	6.46
12/22/1997	26.00	6.36	--	--	24.91	6.86	--	--	24.02	6.54	24.71	6.55
3/31/1998	26.06	6.30	--	--	24.05	7.72	--	--	22.78	7.78	23.75	7.51
6/18/1998	25.60	6.76	--	--	23.71	8.06	--	--	22.51	8.05	23.22	8.04
8/28/1998	25.45	6.91	--	--	23.70	8.07	--	--	22.74	7.82	22.23	9.03
12/2/1998	24.92	7.44	--	--	23.60	8.17	--	--	23.16	7.40	23.72	7.54
3/10/1999	24.90	7.46	--	--	22.65	9.12	--	--	22.82	7.74	23.54	7.72
6/30/1999	25.53	6.83	--	--	23.07	8.70	--	--	22.41	8.15	23.04	8.22
9/29/1999	24.23	8.13	--	--	23.03	8.74	--	--	22.81	7.75	23.42	7.84
11/22/1999	24.33	8.03	--	--	23.68	8.09	--	--	22.88	7.68	23.64	7.62
2/11/2000	24.38	7.98	--	--	23.74	8.03	--	--	22.74	7.82	23.67	7.59
5/30/2000	23.57	8.79	--	--	22.97	8.80	--	--	21.73	8.83	22.82	8.44
9/15/2000	23.85	8.51	--	--	23.12	8.65	--	--	22.14	8.42	23.10	8.16
11/16/2000	24.14	8.22	--	--	23.40	8.37	--	--	22.39	8.17	23.41	7.85
4/2/2001	23.40	8.96	--	--	23.40	8.37	--	--	22.07	8.49	23.33	7.93
6/28/2001	23.58	8.78	--	--	23.17	8.60	--	--	22.15	8.41	23.15	8.11
8/30/2001	24.00	8.36	--	--	23.35	7.42	--	--	22.35	8.21	23.35	7.91
12/26/2001	24.18	8.18	--	--	23.54	8.23	--	--	22.49	8.07	23.27	7.99
4/23/2002	NA	--	--	--	22.89	8.88	--	--	21.07	9.49	22.89	8.37
6/14/2002	23.41	8.95	--	--	22.85	8.92	--	--	21.80	8.76	22.81	8.45
8/20/2002	23.85	8.51	--	--	23.11	8.66	--	--	22.14	8.42	23.15	8.11
12/27/2002	24.10	8.26	--	--	23.34	8.43	--	--	NA ¹	NA ¹	23.41	7.85
4/1/2003	23.75	8.61	--	--	22.90	8.87	--	--	NA ¹	NA ¹	23.16	8.10
7/1/2003	23.50	8.86	--	--	22.80	8.97	--	--	NA ¹	NA ¹	22.75	8.51
9/24/2003	23.82	8.54	--	--	23.15	8.62	--	--	22.21	8.35	23.16	8.10
12/29/2003	24.07	8.29	--	--	23.45	8.32	--	--	22.56	8.00	23.47	7.79
5/18/2004	23.64	8.72	--	--	22.98	8.79	--	--	21.85	8.71	22.87	8.39
6/30/2004	23.64	8.72	--	--	23.04	8.73	--	--	22.00	8.56	22.43	8.83
9/23/2004	23.98	8.38	--	--	23.32	8.45	--	--	22.36	8.20	23.30	7.96
12/28/2004	24.07	8.29	--	--	28.71	3.06	--	--	22.42	8.14	23.42	7.84
3/16/2005	23.80	8.56	--	--	23.70	8.07	--	--	22.11	8.45	23.60	7.66
6/23/2005	22.90	9.46	--	--	22.40	9.37	--	--	21.20	9.36	22.27	8.99
9/9/2005	23.27	9.09	--	--	22.63	9.14	--	--	21.68	8.88	22.55	8.71
12/2/2005	23.75	8.61	--	--	23.06	8.74	--	--	22.19	8.37	23.05	8.21
3/24/2006	23.05	9.31	--	--	22.57	9.20	--	--	21.01	9.55	22.50	8.76
6/29/2006	22.56	9.80	--	--	23.91	9.84	--	--	20.78	9.78	21.85	9.41
9/13/2006	23.00	9.36	--	--	22.35	9.42	--	--	21.35	9.21	22.31	8.95
12/27/2006	23.47	8.89	--	--	22.82	8.95	--	--	21.82	8.74	22.85	8.41
3/30/2007	23.51	8.85	--	--	22.91	8.86	--	--	21.70	8.86	22.88	8.38
7/2/2007	23.39	8.97	--	--	22.88	8.89	--	--	21.81	8.75	22.75	8.51
10/2/2007	23.87	8.49	--	--	23.20	8.57	--	--	22.22	8.34	23.17	8.09
12/13/2007	24.05	8.31	--	--	23.40	8.37	--	--	22.31	8.25	23.37	7.89
3/26/2008	23.56	8.80	--	--	23.00	8.77	--	--	21.77	8.79	22.97	8.29
6/2/2008	23.70	8.66	--	--	23.08	8.69	--	--	22.04	8.52	23.07	8.19
9/10/2008	24.07	8.29	--	--	23.55	8.22	--	--	22.52	8.04	23.49	7.77
11/19/2008	24.33	8.03	--	--	23.68	8.09	--	--	22.63	7.93	23.64	7.62
3/3/2009	24.31	8.05	--	--	23.78	7.99	--	--	22.51	8.05	22.51	7.51
9/3/2009	24.16	8.20	--	--	23.55	8.22	--	--	22.36	8.20	23.49	-15.44
3/3/2010	23.99	12.82	22.42	12.83	23.45	12.78	23.87	12.90	22.14	13.07	23.49	12.42
9/8/2010	23.75	13.06	22.31	12.94	23.09	13.14	23.63	13.14	22.05	13.16	23.11	12.80
3/16/2011	23.63	13.18	22.09	13.16	23.05	13.18	23.55	13.22	21.85	13.36	23.06	12.85
9/9/2011												

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
9/9/2011	0.0031	NW
4/12/2012	0.004	NW
10/10/2012	0.0027	W-NW
3/25/2013	0.003	W-NW

Notes:

¹ MACTEC reported an error in groundwater measurement

Table 3
GROUND WATER ANALYTICAL RESULTS
1700 Jefferson Street, Oakland, California

Well ID	Date Sampled	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Free Product	
			(µg/L)					(inches)	
	ESLs		100	27	95,000	310	37,000	9900	--
MW-1	7/8/1987	190,000	18,000	26,000	--	3,700	--	30	
	9/12/1988	--	--	--	--	--	--	25	
	7/12/1989	190,000	1,000	8,900	2,900	19,000	--	21.6	
	8/1/1991	--	--	--	--	--	--	12	
	6/18/1992	--	--	--	--	--	--	34	
	7/2/1992	--	--	--	--	--	--	18	
	7/23/1992	--	--	--	--	--	--	10	
	8/18/1992	--	--	--	--	--	--	10	
	11/11/1992	--	--	--	--	--	--	13	
	1/29/1993	--	--	--	--	--	--	25.2	
	2/12/1993	--	--	--	--	--	--	10.2	
	1/6/1994	--	--	--	--	--	--	14.8	
	3/17/1994	--	--	--	--	--	--	23.4	
	4/13/1994	--	--	--	--	--	--	12	
	6/29/1994	--	--	--	--	--	--	0	
	12/8/1994	--	--	--	--	--	--	FP	
	4/3/1995	--	--	--	--	--	--	FP	
	6/27/1995	--	--	--	--	--	--	FP	
	9/19/1995	--	--	--	--	--	--	FP	
	12/13/1995	--	--	--	--	--	--	FP	
	3/6/1996	--	--	--	--	--	--	FP	
	6/11/1996	--	--	--	--	--	--	FP	
	9/19/1996	--	--	--	--	--	--	FP	
	12/23/1996	--	--	--	--	--	--	FP	
	3/27/1997	--	--	--	--	--	--	FP	
	6/4/1997	68,000	2,200	4,500	1,500	11,000	<500	--	
	9/26/1997	59,000	6,000	3,000	1,600	8,600	<500	--	
	12/23/1997	41,000	6,800	3,000	1,400	6,600	300	--	
	3/31/1998	44,000	8,300	3,700	1,100	4,300	420	--	
	6/18/1998	32,000	1,100	3,800	550	3,000	<50	--	
	8/28/1998	26,000	8,600	2,300	730	2,100	<50	--	
	12/2/1998	26,000	9,200	4,300	820	2,800	<50	--	
	3/10/1999	26,000	8,200	5,900	870	3,500	<50	--	
	6/30/1999	18,000	7,000	5,800	950	2,500	<25	--	
	9/29/1999	21,000	9,200	10,000	1,200	5,500	<250	--	
	9/29/1999	14,000	6,200	5,900	620	3,500	<250	--	
	11/22/1999	24,000	4,900	5,000	730	3,500	<100	--	
	2/11/2000	19,000	4,100	4,800	530	2,800	7	--	
	5/30/2000	19,000	5,700	8,400	730	3,500	<5.0	--	
	9/15/2000	20,000	4,100	5,700	540	2,700	<12	--	
	11/16/2000	18,000	3,500	4,300	640	3,200	<40	--	
	4/2/2001	19,000	4,700	5,200	570	2,600	50	--	
	6/28/2001	39,000	5,200	4,200	660	3,900	9	--	
	8/30/2001	31,000	5,600	5,100	560	2,500	<100	--	
	12/26/2001	34,000	5,300	5,200	630	2,400	<120	--	
	4/24/2002	35,000	4,900	6,000	740	3,100	<120	--	
	6/14/2002	35,000	5,400	6,800	870	3,500	<250	--	
	8/20/2002	26,000	4,100	4,700	620	2,700	<120	--	
	12/27/2002	28,000	4,500	5,000	660	3,000	<120	--	
	4/1/2003	16,000	4,500	6,000	680	3,100	<120	--	
	7/1/2003	61,000	7,700	11,000	1,200	6,700	<250	--	
	9/25/2003	59,000	7,600	9,400	1,000	4,800	<1,200	--	
	12/29/2003	46,000	6,600	7,900	960	4,000	<250	--	
	5/18/2004	23,000	4,100	4,700	450	1,500	<50	--	
	6/30/2004	24,000	3,500	3,600	390	1,300	<50	--	
	9/23/2004	24,000	3,800	3,900	470	1,400	<25	--	
	12/28/2004	22,000	3,400	3,400	380	1,400	<250	--	
	3/16/2005	21,000	4,100	4,200	470	1,300	<50	--	
	6/23/2005	30,000	5,400	5,500	520	1,900	<1,200	--	
	9/9/2005	7,100	840	950	120	410	<120	--	
	12/2/2005	19,000	3,600	3,500	410	1,300	<2.5	--	
	3/24/2006	29,000	6,200	6,000	620	2,000	<500	--	
	6/29/2006	23,000	4,800	4,000	330	1,200	<500	--	
	9/13/2006	20,000	4,500	3,900	400	1,400	<250	--	
	12/27/2006	31,000	6,000	5,300	710	2,500	<500	--	
	3/30/2007	30,000	5,000	4,600	520	1,700	<500	--	
	7/2/2007	14,000	2,500	2,000	280	930	<500	--	
	10/2/2007	19,000	3,400	2,700	400	1,200	<500	--	
	12/13/2007	18,000	3,500	2,700	390	1,100	<500	--	
	3/26/2008	28,000	4,900	4,900	530	2,100	<500	--	
	6/2/2008	20,000	3,300	3,300	380	1,700	<500	--	
	9/10/2008	24,000	4,200	4,200	470	2,200	<500	--	
	11/19/2008	26,000	4,500	4,500	490	2,500	<500	--	
	3/3/2009	33,100	5,380	5,380	603	2,800	<100	--	
	9/3/2009	35,900	5,570	5,180	620	3,270	<100	--	
	3/3/2010	51,700	10,100	8,050	952	4,560	<200	--	
	9/8/2010	30,000	7,300	6,300	550	3,700	<50	--	
	3/16/2011	38,000	8,600	6,900	670	4,300	<50	--	
	9/9/2011	33,000	8,700	6,500	620	4,400	<50	--	
	4/12/2012	34,000	7,300	4,700	570	4,300	<50	--	
	10/10/2012	37,000	7,900	5,200	800	5,100	<50	--	
	3/25/2013	30,000	6,500	4,700	560	4,500	<50	--	
MW-1A	9/12/1988	--	--	--	--	--	--	28.2	
	7/12/1989	220,000	1,200	9,210	3,100	24,000	NA	18.6	
	8/1/1991	350,000	17,000	31,000	3,000	FP	NA	FP	
	7/2/1992	FP	FP	FP	FP	FP	NA	18	
	9/30/1992								

Table 3
GROUND WATER ANALYTICAL RESULTS
1700 Jefferson Street, Oakland, California

Well ID	Date Sampled	TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Free Product
			(µg/L)	(µg/L)	(µg/L)	(inches)	(inches)	(inches)
	ESLs	100	27	95,000	310	37,000	9900	--
MW-4	9/12/1988	--	--	--	--	--	--	5.9
	7/12/1989	93,000	460	4,200	1,200	9,700	NA	25.2
	8/1/1991	86,000	1,500	6,200	1,000	FP	NA	18
	9/30/1992	FP	FP	FP	FP	FP	NA	FP
	2/12/1993	FP	FP	FP	FP	FP	NA	8.8
	1/6/1994	FP	FP	FP	FP	3,200	NA	6.2
	4/13/1994	58,000	1,500	2,500	520	7,300	NA	--
	6/29/1994	16,000	1,300	790	51	3,400	NA	--
	12/8/1994	92,000	1,700	4,100	310	5,400	NA	--
	4/3/1995	35,000	1,200	3,400	280	5,800	NA	--
	6/27/1995	13,000	1,300	1,600	77	1,800	NA	--
	9/19/1995	14,000	630	470	14	1,800	NA	--
	12/13/1995	11,000	2,200	2,100	110	2,100	NA	--
	3/6/1996	110,000	2,600	3,600	780	10,000	NA	--
	6/11/1996	260,000	6,600	19,000	3,700	28,000	NA	--
	9/19/1996	95,000	9,900	19,000	2,000	13,000	NA	--
	12/23/1996	FP	FP	FP	FP	FP	NA	FP
	3/27/1997	37,000	2,600	6,900	540	5,500	1,400	--
	6/4/1997	24,000	2,600	3,200	140	3,500	<300	--
	9/26/1997	41,000	2,900	5,000	350	4,800	<500	--
	12/23/1997	48,000	6,000	11,000	580	8,200	270	--
	6/18/1998	25,000	2,000	460	<15	6,400	<50	--
	8/28/1998	48,000	9,700	11,000	890	5,000	<50	--
	12/2/1998	10,000	1,700	610	<15	2,300	<50	--
	3/10/1999	11,000	2,300	2,100	88	1,600	<25	--
	6/30/1999	88,000	1,800	3,000	150	2,700	<25	--
	4/12/2012	2,700	380	160	100	100	<0.5	--
	10/10/2012	4,200	400	200	150	130	<0.5	--
	3/25/2013	2,900	360	16	120	29	<0.5	--
MW-5	9/12/1988	--	--	--	--	--	--	0.5
	7/12/1989	14,000	7	190	210	500	--	0.4
	8/1/1991	120,000	20,000	14,000	1,900	4,900	--	0
	9/30/1992	51,000	13,000	5,900	1,400	2,600	--	0
	3/30/1993	74,000	16,000	5,000	1,800	2,700	--	0.06
	1/6/1994	80,000	19,000	8,200	1,400	2,700	--	0
	4/13/1994	63,000	14,000	3,500	1,500	2,100	--	0
	6/29/1994	64,000	29,000	5,400	2,800	4,500	--	0
	12/8/1994	59,000	13,000	3,800	1,800	2,900	--	--
	4/3/1995	51,000	15,000	2,200	2,800	4,500	--	--
	6/27/1995	41,000	12,000	2,100	1,400	1,600	--	--
	9/19/1995	50,000	1,600	2,700	2,000	2,100	--	--
	12/13/1995	45,000	13,000	2,100	16,000	1,900	--	--
	3/6/1996	51,000	15,000	2,800	2,000	2,400	--	--
	6/11/1996	48,000	12,000	2,900	2,000	2,700	--	--
	9/19/1996	48,000	12,000	4,500	2,300	4,000	--	--
	12/23/1996	45,000	12,000	2,200	2,700	6,500	600	--
	3/27/1997	44,000	11,000	1,100	1,900	2,800	300	--
	6/4/1997	35,000	8,900	560	1,500	1,700	<100	--
	9/26/1997	36,000	7,900	270	1,500	1,300	<500	--
	12/23/1997	39,000	13,000	500	1,900	1,700	<1,000	--
	3/31/1998	48,000	10,000	400	2,000	2,200	350	--
	6/18/1998	17,000	9,500	310	420	850	<10	--
	8/28/1998	16,000	5,400	160	1,100	900	<50	--
	12/2/1998	15,000	8,400	120	1,500	840	<50	--
MW-6	3/10/1999	23,000	14,000	300	1,800	1,100	<50	--
	6/30/1999	7,700	5,200	270	1,100	690	<25	--
	9/29/1999	11,000	9,600	710	1,100	1,100	<100	--
	9/29/1999	10,000	14,000	470	1,100	600	<100	--
	11/22/1999	30,000	11,000	3,400	1,500	2,500	<100	--
	2/11/2000	23,000	12,000	4,500	1,200	1,300	6.6	--
	5/30/2000	19,000	9,900	6,900	1,200	2,600	<200	--
	9/15/2000	24,000	3,800	3,000	460	1,200	<10	--
	11/16/2000	1,800	470	220	39	100	<5	--
	4/2/2001	15,000	7,400	3,000	1,000	2,200	<50	--
	6/28/2001	3,600	300	11	16	15	4	--
	8/30/2001	34,000	8,300	3,000	1,400	2,600	<50	--
	12/26/2001	1,900	300	110	55	120	<10	--
	4/24/2002	9,400	2,300	130	300	270	<50	--
	6/14/2002	1,700	110	<2.5	7	<2.5	<0.50	--
	8/20/2002	3,200	320	9	22	19	<0.50	--
	12/27/2002	6,200	2,200	140	160	250	<25	--
	4/25/2003	43,000	12,000	2,800	1,500	3,000	<1,200	--
	12/29/2003	26,000	7,700	1,900	910	210	<2.5	--
	5/18/2004	15,000	5,000	1,300	380	770	<50	--
	6/30/2004	18,000	5,700	1,600	540	1,200	<50	--
	9/23/2004	42,000	12,000	3,900	1,200	2,400	<120	--
	12/28/2004	41,000	10,000	3,800	1,000	2,300	<250	--
	3/16/2005	37,000	11,000	3,800	1,100	2,400	<120	--
MW-1*	4/25/2011	< 50	< 0.5	--	< 0.5	< 0.5	< 0.5	--
MW-2*	4/25/2011	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--
MW-3*	4/25/2011	< 50	< 0.5	--	< 0.5	< 0.5	< 0.5	--
	9/9/2011	< 50	<					

CHARTS



CHART 1
Concentrations of TPH as Gasoline vs. Time in MW-1, MW-3, and MW-5
1700 Jefferson, Oakland, California

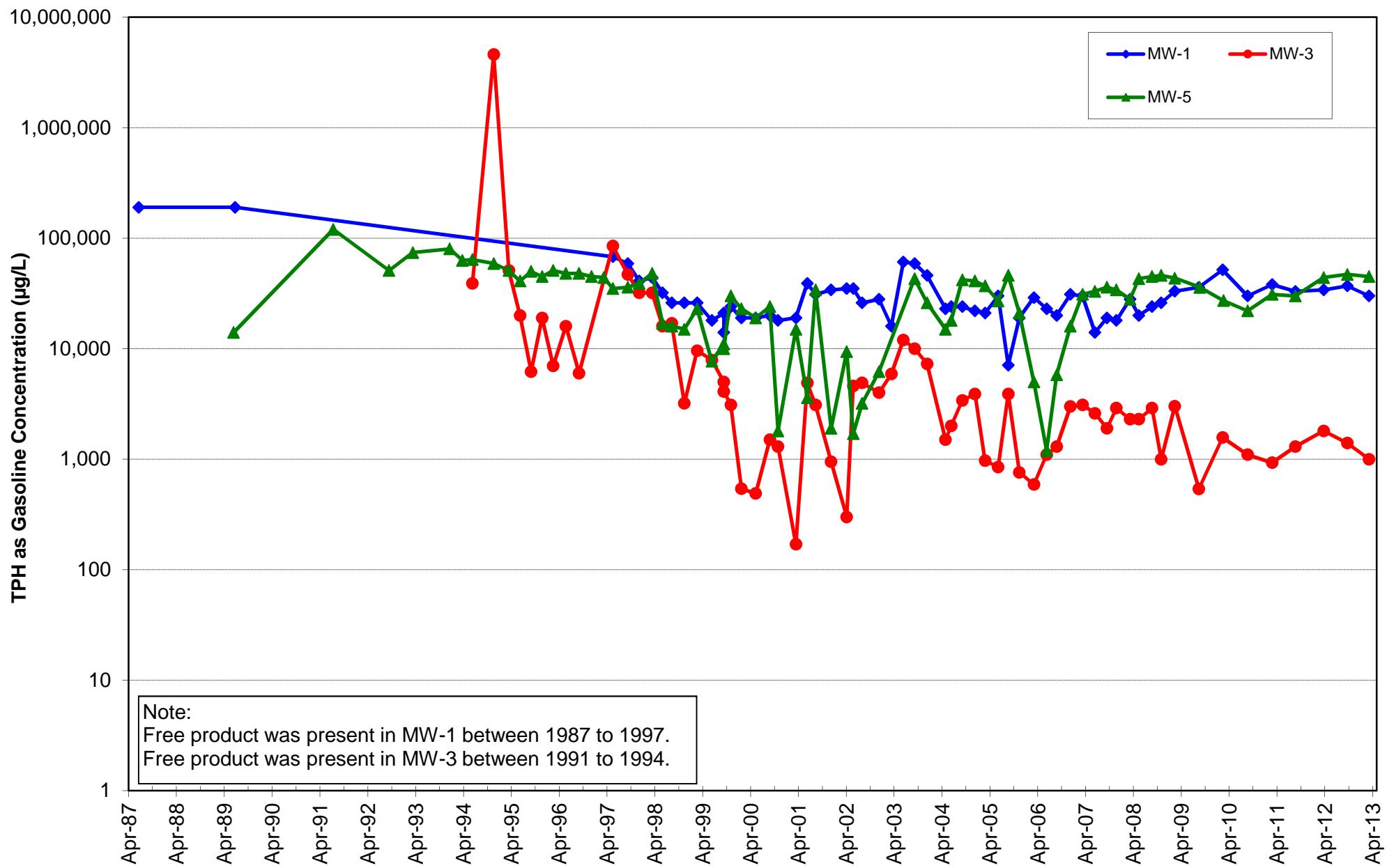
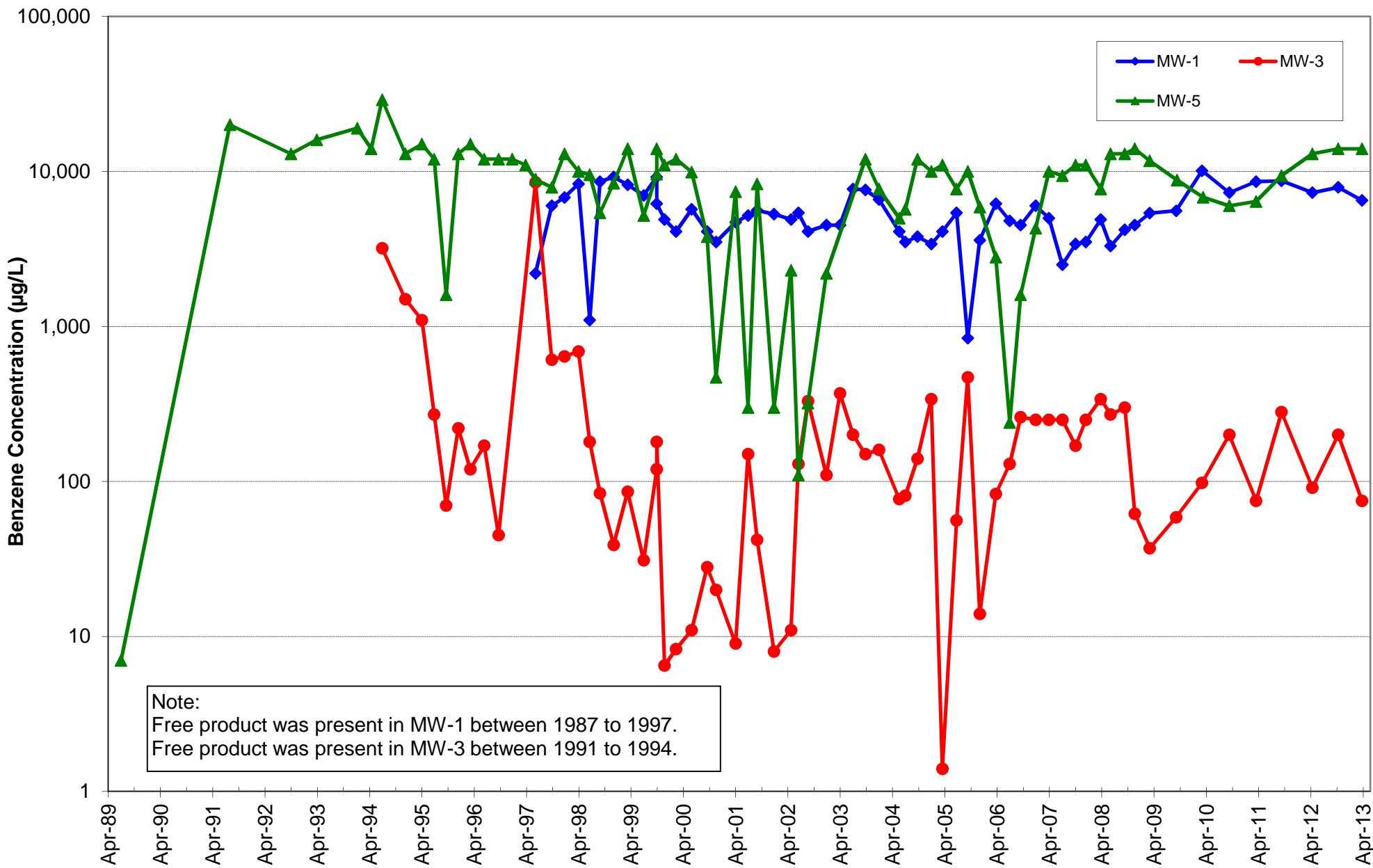
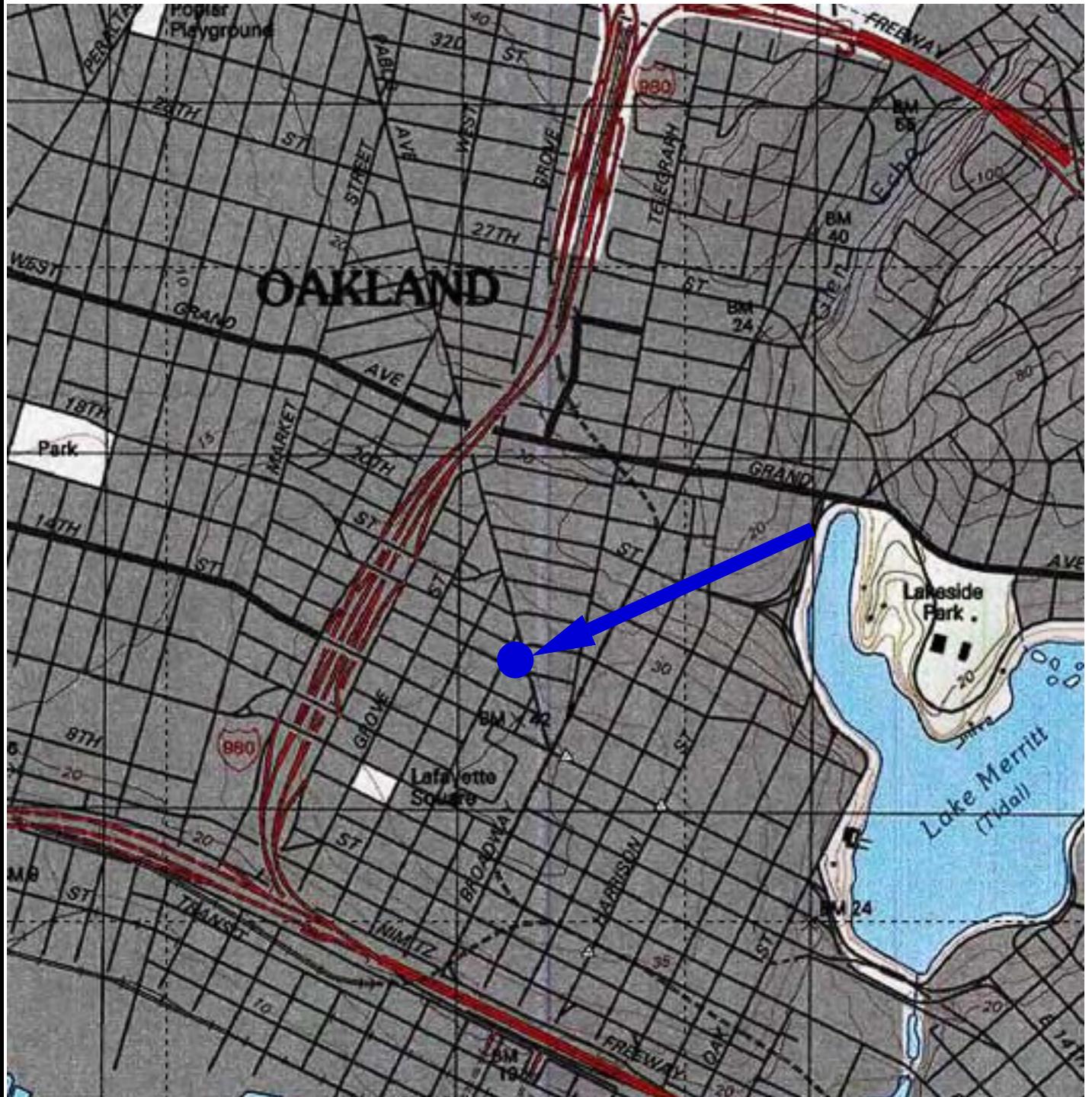


CHART 2
Concentrations of Benzene vs. Time in MW-1, MW-3, and MW-5
1700 Jefferson, Oakland, California



FIGURES



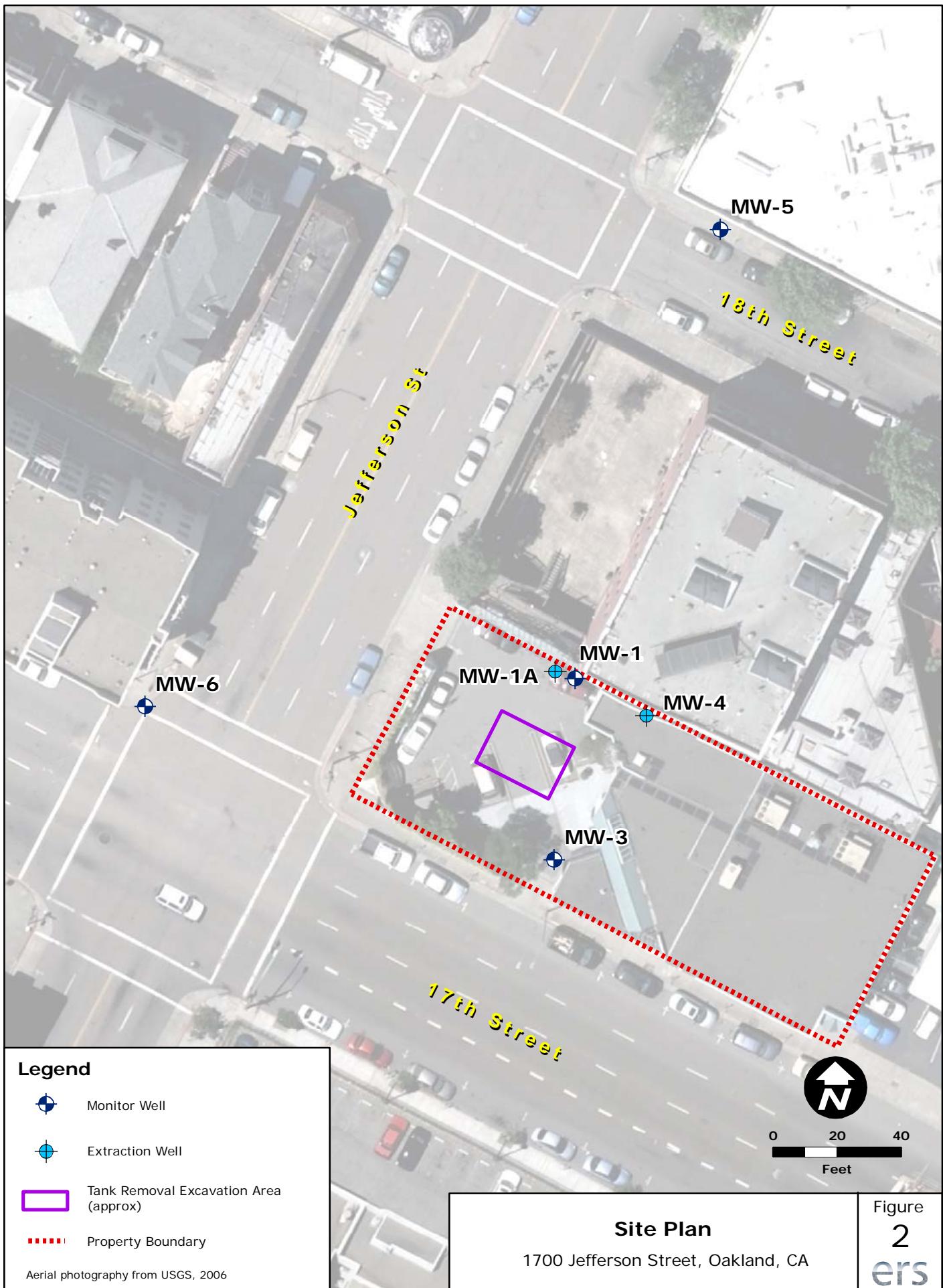


Location Map
1700 Jefferson Street
Oakland, California

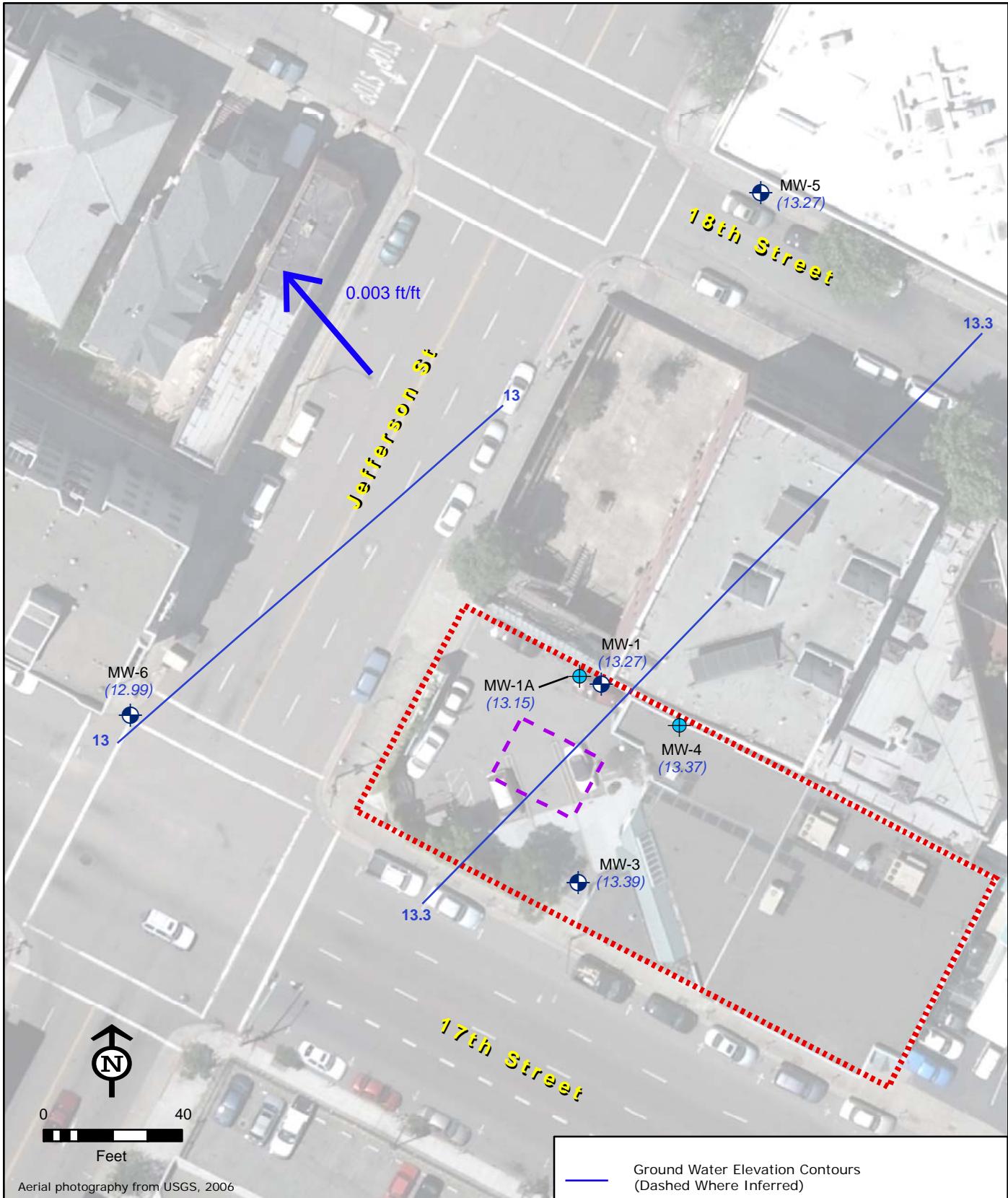
Source: National Geographic TOPO!

Figure
1
ers

ERS Corporation



0 20 40
Feet

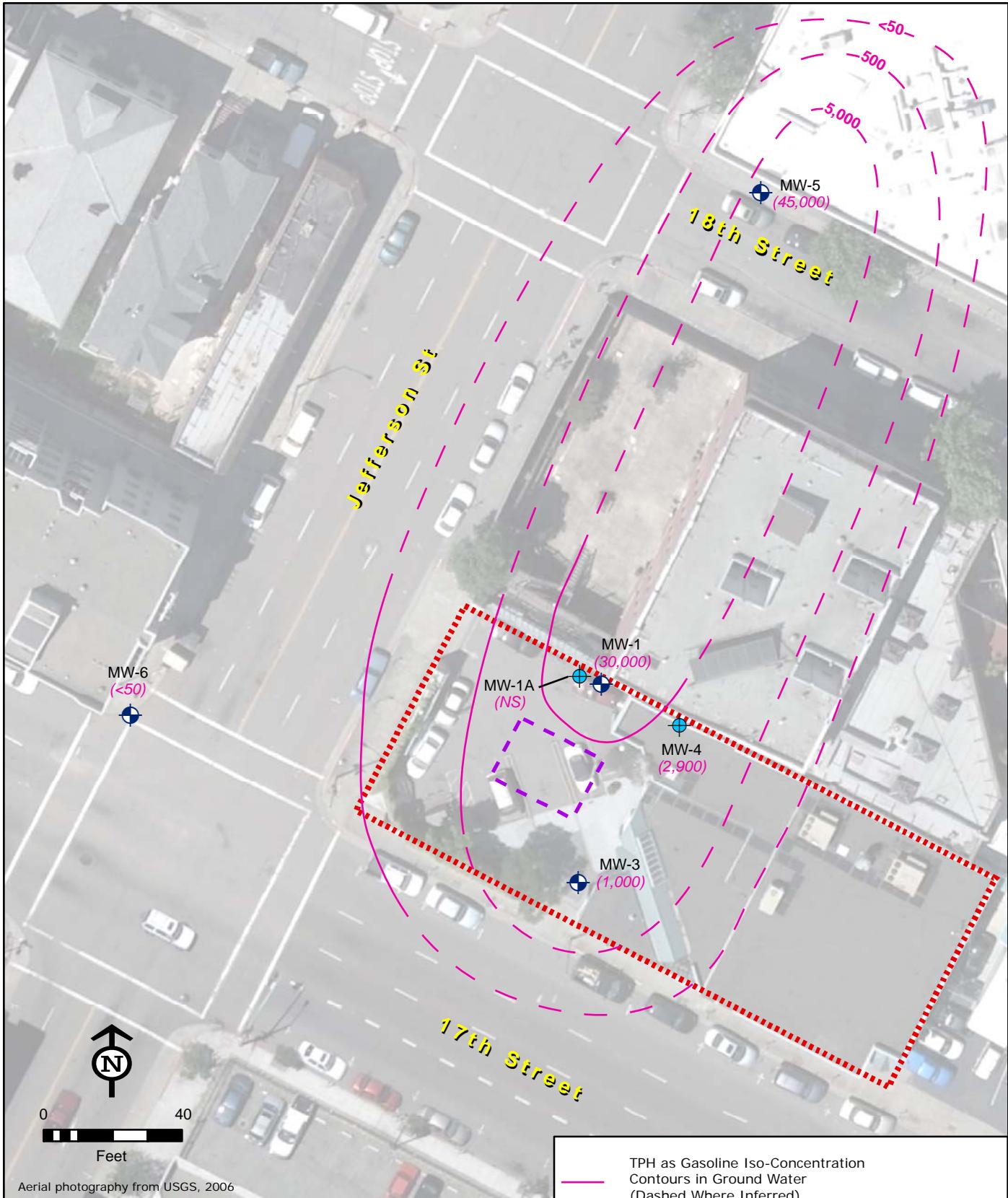


Aerial photography from USGS, 2006

Figure - 3
Ground Water Gradient
March 2013
1700 Jefferson Street, Oakland, CA



- Ground Water Elevation Contours (Dashed Where Inferred)
- (13.39) Ground Water Elevation
- Extraction Well
- - - Tank Removal Excavation Area (approx)
- ← Gradient Direction
- Monitor Well
- Property Boundary



APPLIED WATER RESOURCES	Figure - 4 TPH as Gasoline Iso Concentration Contours - March 2013 1700 Jefferson Street, Oakland, CA	TPH as Gasoline Iso-Concentration Contours in Ground Water (Dashed Where Inferred) (45,000) TPH as Gasoline Concentration (ug/L) (NS) Not Sampled Extraction Well Monitor Well Tank Removal Excavation Area (approx) Property Boundary
--	--	---

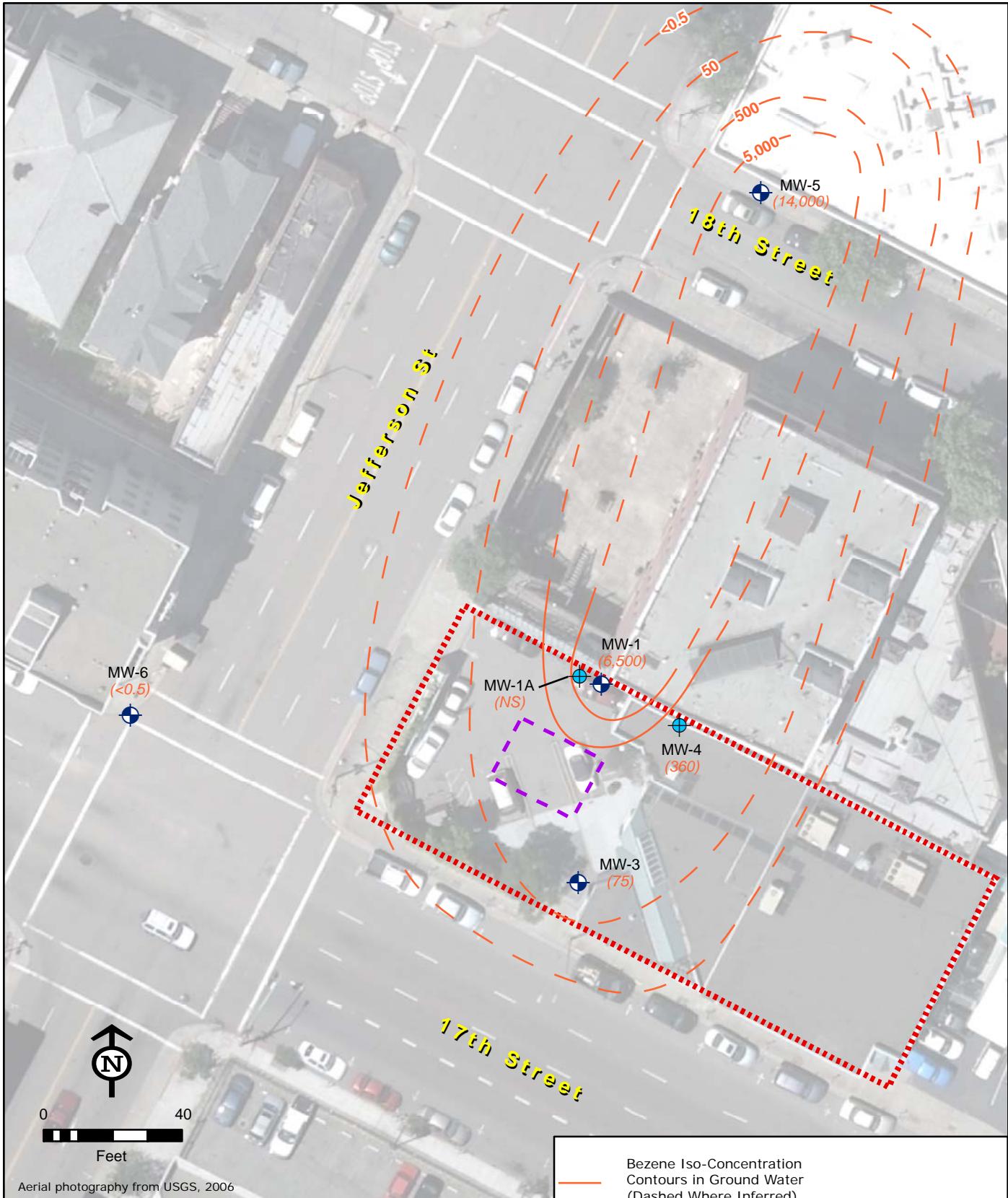
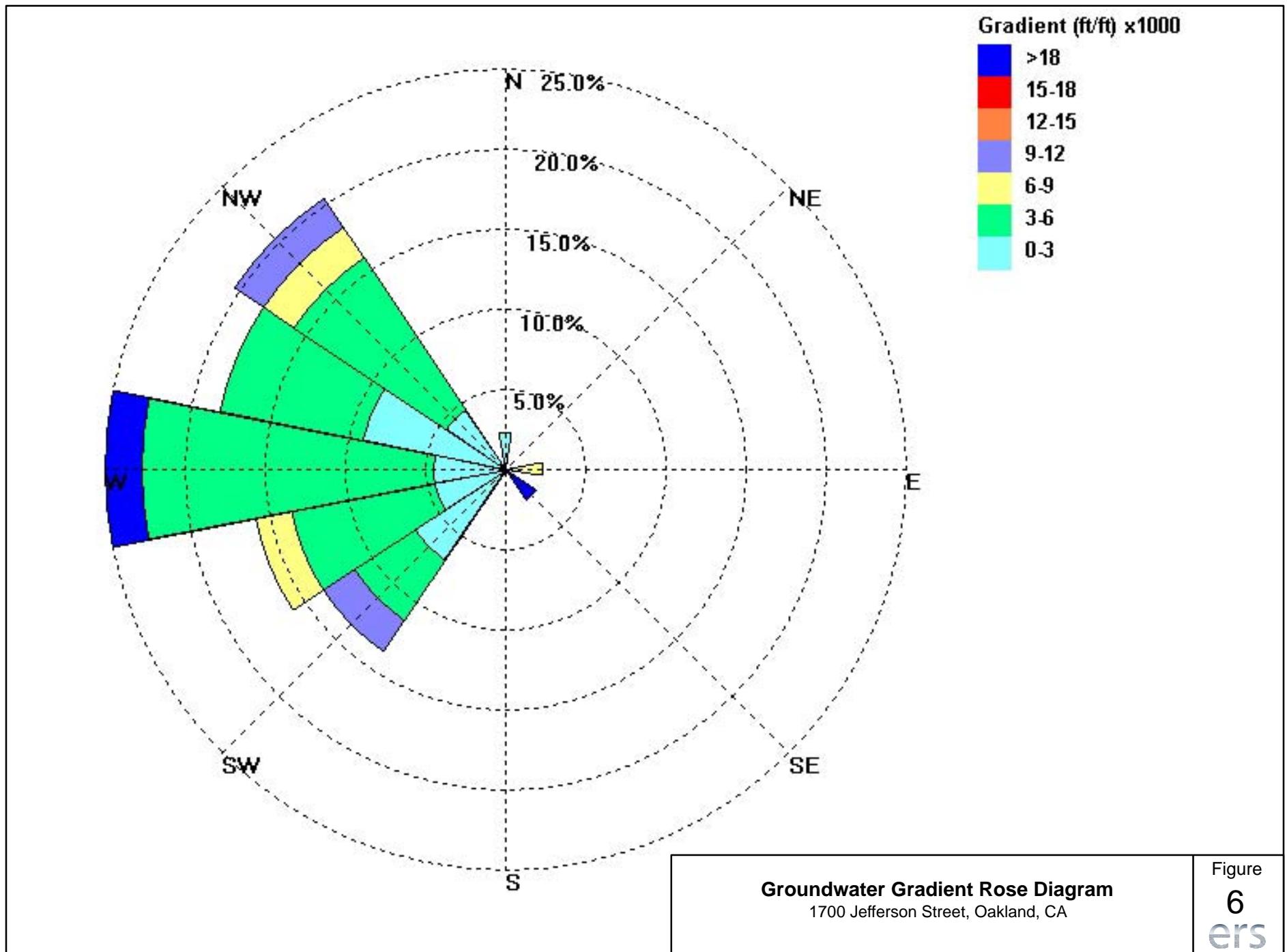


Figure - 5
Benzene Iso Concentration Contours - March 2013
1700 Jefferson Street, Oakland, CA



APPENDIX A:
MONITOR WELL WORKSHEETS



Depth to Water Measurement Sheet

Monitor Well Data Sheet

Site Name: 1700 Jefferson					Well/Sample ID: MW-1				
Location: 1700 Jefferson					Initial Depth to Water (DTW): 23.54				
Client: ARC					Total Well Depth (TD):				
Sampler: YJB					Well Diameter (inches): 4				
Date: 3/25/2013					Did Well Dewater? N				
Purge & Sample Method: Peri w/ dedicated tube					Purge Rate (liters/min): 0.3				
					Sample Rate (liters/min): 0.25				
Time	pH	SC	DO	Temp	ORP	DTW	Cumulative Volume	Notes	
hh:mm	SU	$\mu\text{mhos}/\text{cm}$	mg/l	$^{\circ}\text{C}$	mV	feet bgs	liters		
850	6.67	1385	1.19	16.79	-51.6	23.60	1.5		
855	6.70	1387	0.89	16.89	-48.6	23.60	3.0		
858	6.71	1388	0.85	16.91	-52.4	23.60	3.9		
903	6.71	1387	0.60	16.98	-69.4	23.60	5.4		
908	6.70	1388	0.51	16.99	-78.2	23.60	6.9		
912	6.72	1389	0.49	17.07	-82.4	23.60	8.1		
915	6.72	1389	0.49	17.06	-84.9	23.60	9.0		
Total Liters Purged: 9.0			Start Purge Time: 845		DTW prior to sample (ft): 23.60				
Total Sample Volume: 120mL			Stop Purge Time: 915		Start Sample Time: 915				
Odor: Yes			Color: Clear						
Instrument ID: VSI					Last Calibrated: 700				

Notes:

Monitor Well Data Sheet

Total Liters Purged:	5.1	Start Purge Time:	958	DTW prior to sample (ft):	23.01
Total Sample Volume:	120mL	Stop Purge Time:	1015	Start Sample Time:	1015
Odor:	Slight	Color:	Clear		
Instrument ID:	YSI 556	Last Calibrated:	700		

Notes:

Monitor Well Data Sheet

Total Liters Purged: 6.3 Start Purge Time: 923 DTW prior to sample (ft): 24.01

Total Sample Volume: 120ml Stop Purge Time: 944 Start Sample Time: 944

Odor:  yes Color: clear

Instrument ID: 451 554 Last Calibrated: 700

Notes:

Monitor Well Data Sheet

Site Name: 1700 Jefferson					Well/Sample ID: MW-5			
Location: 1700 Jefferson					Initial Depth to Water (DTW): 21.94			
Client: ARC					Total Well Depth (TD):			
Sampler: YJB					Well Diameter (inches): 2			
Date: 3/25/2013					Did Well Dewater? N			
Purge & Sample Method: Peri w/ dedicated tube					Purge Rate (liters/min): 0.3			
					Sample Rate (liters/min): 0.25			
Time	pH	SC	DO	Temp	ORP	DTW	Cumulative Volume	Notes
hh:mm	SU	$\mu\text{mhos}/\text{cm}$	mg/l	$^{\circ}\text{C}$	mV	feet bgs	liters	
807	6.53	1026	2.36	18.06	-106.4	22.03	1.5	
810	6.64	1025	1.10	18.07	-79.9	22.03	2.4	
815	6.67	1021	0.76	18.14	-56.5	22.03	3.9	
818	6.67	1019	0.71	18.16	-56.5	22.03	4.8	
821	6.67	1018	0.65	18.23	-56.0	22.03	5.7	
824	6.67	1018	0.62	18.28	-56.4	22.03	6.6	
827	6.67	1018	0.61	18.26	-57.8	22.03	7.5	
Total Liters Purged:	7.5	Start Purge Time:	802	DTW prior to sample (ft):	22.03			
Total Sample Volume:	120 mL	Stop Purge Time:	827	Start Sample Time:	827			
Odor:	Yes-Strong	Color:	Grey to clear					
Instrument ID:	YSI 556	Last Calibrated:	700					

Notes:

Monitor Well Data Sheet

Site Name: 1700 Jefferson					Well/Sample ID: MW-1e			
Location: 1700 Jefferson					Initial Depth to Water (DTW): 22.92			
Client: ARC					Total Well Depth (TD):			
Sampler: YJB					Well Diameter (inches): 2			
Date: 3/25/2013					Did Well Dewater? N			
Purge & Sample Method: Peri w/ dedicated tube					Purge Rate (liters/min): 0.3			
					Sample Rate (liters/min): 0.25			
Time	pH	SC	DO	Temp	ORP	DTW	Cumulative Volume	Notes
hh:mm	SU	$\mu\text{mhos}/\text{cm}$	mg/l	$^{\circ}\text{C}$	mV	feet bgs	liters	
10:36	6.61	1062	1.09	19.13	-79.1	23.10	1.5	
10:43	6.61	1068	0.52	19.46	-74.5	23.10	3.0	
10:48	6.62	1072	0.40	19.57	-72.3	23.10	4.5	
10:51	6.62	1074	0.38	19.56	-70.0	23.10	5.4	
10:54	6.62	1075	0.38	19.60	-71.7	23.10	6.3	
Total Liters Purged:	6.3	Start Purge Time:	1033	DTW prior to sample (ft):				23.10
Total Sample Volume:	120mL	Stop Purge Time:	1054	Start Sample Time:				1054
Odor:	No	Color:	Clear					
Instrument ID:	YSI				Last Calibrated:	700		

Notes:

APPENDIX B:

LABORATORY ANALYTICAL RESULTS



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-48537-1

Client Project/Site: 1700 Jefferson, Oakland

Revision: 1

For:

Environmental Risk Services, Corp.

1600 Riviera Ave

Suite 310

Walnut Creek, California 94596

Attn: Mr. Steven Michelson



Authorized for release by:

3/28/2013 4:52:54 PM

Micah Smith

Project Manager I

micah.smith@testamericainc.com

Designee for

Onieka Howard

Project Manager I

orieka.howard@testamericainc.com

LINKS

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Expert

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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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Method Summary	19
Sample Summary	20
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Definitions/Glossary

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

TestAmerica Job ID: 720-48537-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.	1
□	Listed under the "D" column to designate that the result is reported on a dry weight basis	2
%R	Percent Recovery	3
CNF	Contains no Free Liquid	4
DER	Duplicate error ratio (normalized absolute difference)	5
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	6
DLC	Decision level concentration	7
MDA	Minimum detectable activity	8
EDL	Estimated Detection Limit	9
MDC	Minimum detectable concentration	10
MDL	Method Detection Limit	11
ML	Minimum Level (Dioxin)	12
ND	Not detected at the reporting limit (or MDL or EDL if shown)	13
PQL	Practical Quantitation Limit	14
QC	Quality Control	
RER	Relative error ratio	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

Case Narrative

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

TestAmerica Job ID: 720-48537-1

Job ID: 720-48537-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-48537-1

Comments

This revision includes revised sample results for sample MW-6 (720-48537-5). The original results for sample MW-6 (720-48537-5) was likely carry over.

Receipt

The samples were received on 3/25/2013 4:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6° C.

GC/MS VOA

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 720-48537-1

Client Sample ID: MW-1

Lab Sample ID: 720-48537-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6500		50		ug/L	100		8260B/CA_LUFT	Total/NA
Ethylbenzene	560		50		ug/L	100		MS	
Toluene	4700		50		ug/L	100		8260B/CA_LUFT	Total/NA
Xylenes, Total	4500		100		ug/L	100		MS	
Gasoline Range Organics (GRO) -C5-C12	30000		5000		ug/L	100		8260B/CA_LUFT	Total/NA
								MS	

Client Sample ID: MW-3

Lab Sample ID: 720-48537-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	75		0.50		ug/L	1		8260B/CA_LUFT	Total/NA
Ethylbenzene	14		0.50		ug/L	1		MS	
Toluene	40		0.50		ug/L	1		8260B/CA_LUFT	Total/NA
Xylenes, Total	24		1.0		ug/L	1		MS	
Gasoline Range Organics (GRO) -C5-C12	1000		50		ug/L	1		8260B/CA_LUFT	Total/NA
								MS	

Client Sample ID: MW-4

Lab Sample ID: 720-48537-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	360		5.0		ug/L	10		8260B/CA_LUFT	Total/NA
Ethylbenzene	120		5.0		ug/L	10		MS	
Toluene	16		5.0		ug/L	10		8260B/CA_LUFT	Total/NA
Xylenes, Total	29		10		ug/L	10		MS	
Gasoline Range Organics (GRO) -C5-C12	2900		500		ug/L	10		8260B/CA_LUFT	Total/NA
								MS	

Client Sample ID: MW-5

Lab Sample ID: 720-48537-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14000		50		ug/L	100		8260B/CA_LUFT	Total/NA
Ethylbenzene	1800		50		ug/L	100		MS	
Toluene	8200		50		ug/L	100		8260B/CA_LUFT	Total/NA
Xylenes, Total	3600		100		ug/L	100		MS	
Gasoline Range Organics (GRO) -C5-C12	45000		5000		ug/L	100		8260B/CA_LUFT	Total/NA
								MS	

Client Sample ID: MW-6

Lab Sample ID: 720-48537-5

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-48537-1

Client Sample ID: MW-1

Date Collected: 03/25/13 09:15
 Date Received: 03/25/13 16:35

Lab Sample ID: 720-48537-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		50		ug/L			03/27/13 04:11	100
Benzene	6500		50		ug/L			03/27/13 04:11	100
Ethylbenzene	560		50		ug/L			03/27/13 04:11	100
Toluene	4700		50		ug/L			03/27/13 04:11	100
Xylenes, Total	4500		100		ug/L			03/27/13 04:11	100
Gasoline Range Organics (GRO) -C5-C12	30000		5000		ug/L			03/27/13 04:11	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		67 - 130					03/27/13 04:11	100
1,2-Dichloroethane-d4 (Surr)	114		75 - 138					03/27/13 04:11	100
Toluene-d8 (Surr)	94		70 - 130					03/27/13 04:11	100

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-48537-1

Client Sample ID: MW-3

Lab Sample ID: 720-48537-2

Matrix: Water

Date Collected: 03/25/13 10:15
 Date Received: 03/25/13 16:35

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			03/27/13 14:30	1
Benzene	75		0.50		ug/L			03/27/13 14:30	1
Ethylbenzene	14		0.50		ug/L			03/27/13 14:30	1
Toluene	40		0.50		ug/L			03/27/13 14:30	1
Xylenes, Total	24		1.0		ug/L			03/27/13 14:30	1
Gasoline Range Organics (GRO) -C5-C12	1000		50		ug/L			03/27/13 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130					03/27/13 14:30	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 138					03/27/13 14:30	1
Toluene-d8 (Surr)	100		70 - 130					03/27/13 14:30	1

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-48537-1

Client Sample ID: MW-4

Lab Sample ID: 720-48537-3

Matrix: Water

Date Collected: 03/25/13 09:44

Date Received: 03/25/13 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/L			03/27/13 05:03	10
Benzene	360		5.0		ug/L			03/27/13 05:03	10
Ethylbenzene	120		5.0		ug/L			03/27/13 05:03	10
Toluene	16		5.0		ug/L			03/27/13 05:03	10
Xylenes, Total	29		10		ug/L			03/27/13 05:03	10
Gasoline Range Organics (GRO) -C5-C12	2900		500		ug/L			03/27/13 05:03	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		67 - 130					03/27/13 05:03	10
1,2-Dichloroethane-d4 (Surr)	119		75 - 138					03/27/13 05:03	10
Toluene-d8 (Surr)	98		70 - 130					03/27/13 05:03	10

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-48537-1

Client Sample ID: MW-5

Lab Sample ID: 720-48537-4

Matrix: Water

Date Collected: 03/25/13 08:27

Date Received: 03/25/13 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		50		ug/L			03/27/13 05:29	100
Benzene	14000		50		ug/L			03/27/13 05:29	100
Ethylbenzene	1800		50		ug/L			03/27/13 05:29	100
Toluene	8200		50		ug/L			03/27/13 05:29	100
Xylenes, Total	3600		100		ug/L			03/27/13 05:29	100
Gasoline Range Organics (GRO) -C5-C12	45000		5000		ug/L			03/27/13 05:29	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130					03/27/13 05:29	100
1,2-Dichloroethane-d4 (Surr)	114		75 - 138					03/27/13 05:29	100
Toluene-d8 (Surr)	94		70 - 130					03/27/13 05:29	100

TestAmerica Pleasanton

Client Sample Results

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

TestAmerica Job ID: 720-48537-1

Client Sample ID: MW-6

Lab Sample ID: 720-48537-5

Date Collected: 03/25/13 10:54

Matrix: Water

Date Received: 03/25/13 16:35

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			03/28/13 11:39	1
Benzene	ND		0.50		ug/L			03/28/13 11:39	1
Ethylbenzene	ND		0.50		ug/L			03/28/13 11:39	1
Toluene	ND		0.50		ug/L			03/28/13 11:39	1
Xylenes, Total	ND		1.0		ug/L			03/28/13 11:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/28/13 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		67 - 130					03/28/13 11:39	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 138					03/28/13 11:39	1
Toluene-d8 (Surr)	97		70 - 130					03/28/13 11:39	1

QC Sample Results

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

TestAmerica Job ID: 720-48537-1

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

Lab Sample ID: MB 720-133102/4

Matrix: Water

Analysis Batch: 133102

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methyl tert-butyl ether	ND		0.50		ug/L			03/26/13 19:31	1
Benzene	ND		0.50		ug/L			03/26/13 19:31	1
Ethylbenzene	ND		0.50		ug/L			03/26/13 19:31	1
Toluene	ND		0.50		ug/L			03/26/13 19:31	1
Xylenes, Total	ND		1.0		ug/L			03/26/13 19:31	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/26/13 19:31	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene	99		67 - 130					03/26/13 19:31	1
1,2-Dichloroethane-d4 (Surr)	115		75 - 138					03/26/13 19:31	1
Toluene-d8 (Surr)	96		70 - 130					03/26/13 19:31	1

Lab Sample ID: LCS 720-133102/5

Matrix: Water

Analysis Batch: 133102

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier					
Methyl tert-butyl ether	25.0	30.5		ug/L		122	62 - 130	
Benzene	25.0	25.3		ug/L		101	79 - 130	
Ethylbenzene	25.0	26.0		ug/L		104	80 - 120	
Toluene	25.0	25.5		ug/L		102	78 - 120	
m-Xylene & p-Xylene	50.0	54.3		ug/L		109	70 - 142	
o-Xylene	25.0	28.2		ug/L		113	70 - 130	
Surrogate	LCS	LCS	Limits					
	%Recovery	Qualifier						
4-Bromofluorobenzene	111		67 - 130					
1,2-Dichloroethane-d4 (Surr)	114		75 - 138					
Toluene-d8 (Surr)	100		70 - 130					

Lab Sample ID: LCS 720-133102/7

Matrix: Water

Analysis Batch: 133102

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier					
Gasoline Range Organics (GRO) -C5-C12	500	462		ug/L		92	62 - 120	
Surrogate								
Surrogate	LCS	LCS	Limits					
	%Recovery	Qualifier						
4-Bromofluorobenzene	108		67 - 130					
1,2-Dichloroethane-d4 (Surr)	120		75 - 138					
Toluene-d8 (Surr)	99		70 - 130					

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-48537-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-133102/6

Matrix: Water

Analysis Batch: 133102

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Added	Result	Qualifier						
Methyl tert-butyl ether	25.0	30.8		ug/L	123	62 - 130	1	20	
Benzene	25.0	25.3		ug/L	101	79 - 130	0	20	
Ethylbenzene	25.0	25.8		ug/L	103	80 - 120	1	20	
Toluene	25.0	25.6		ug/L	103	78 - 120	1	20	
m-Xylene & p-Xylene	50.0	53.9		ug/L	108	70 - 142	1	20	
o-Xylene	25.0	28.0		ug/L	112	70 - 130	1	20	
<hr/>									
Surrogate	LCSD	LCSD	Limits	RPD	RPD Limit	Client Sample ID: Lab Control Sample Dup	Prep Type: Total/NA	1	20
	%Recovery	Qualifier							
4-Bromofluorobenzene	111		67 - 130						
1,2-Dichloroethane-d4 (Surr)	115		75 - 138						
Toluene-d8 (Surr)	100		70 - 130						

Lab Sample ID: LCSD 720-133102/8

Matrix: Water

Analysis Batch: 133102

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Added	Result	Qualifier						
Gasoline Range Organics (GRO) -C5-C12	500	458		ug/L	92	62 - 120	1	20	
<hr/>									
Surrogate	LCSD	LCSD	Limits	RPD	RPD Limit	Client Sample ID: Lab Control Sample Dup	Prep Type: Total/NA	1	20
	%Recovery	Qualifier							
4-Bromofluorobenzene	106		67 - 130						
1,2-Dichloroethane-d4 (Surr)	114		75 - 138						
Toluene-d8 (Surr)	99		70 - 130						

Lab Sample ID: MB 720-133145/4

Matrix: Water

Analysis Batch: 133145

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methyl tert-butyl ether	ND		0.50		ug/L		03/27/13 09:23		1
Benzene	ND		0.50		ug/L		03/27/13 09:23		1
Ethylbenzene	ND		0.50		ug/L		03/27/13 09:23		1
Toluene	ND		0.50		ug/L		03/27/13 09:23		1
Xylenes, Total	ND		1.0		ug/L		03/27/13 09:23		1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L		03/27/13 09:23		1
<hr/>									
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac	Client Sample ID: Method Blank	Prep Type: Total/NA	1
	%Recovery	Qualifier							
4-Bromofluorobenzene	99		67 - 130						
1,2-Dichloroethane-d4 (Surr)	112		75 - 138						
Toluene-d8 (Surr)	97		70 - 130						

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-48537-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-133145/5

Matrix: Water

Analysis Batch: 133145

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	
	Added	Result	Qualifier					
Methyl tert-butyl ether	25.0	27.7		ug/L	111	62 - 130		
Benzene	25.0	22.4		ug/L	90	79 - 130		
Ethylbenzene	25.0	22.5		ug/L	90	80 - 120		
Toluene	25.0	22.3		ug/L	89	78 - 120		
m-Xylene & p-Xylene	50.0	47.0		ug/L	94	70 - 142		
o-Xylene	25.0	25.5		ug/L	102	70 - 130		
Surrogate		LCS	LCS					
		%Recovery	Qualifier	Limits				
4-Bromofluorobenzene	103			67 - 130				
1,2-Dichloroethane-d4 (Surr)	106			75 - 138				
Toluene-d8 (Surr)	100			70 - 130				

Lab Sample ID: LCS 720-133145/7

Matrix: Water

Analysis Batch: 133145

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	
	Added	Result	Qualifier					
Gasoline Range Organics (GRO)	500	407		ug/L	81	62 - 120		
-C5-C12								
Surrogate		LCS	LCS					
		%Recovery	Qualifier	Limits				
4-Bromofluorobenzene	103			67 - 130				
1,2-Dichloroethane-d4 (Surr)	113			75 - 138				
Toluene-d8 (Surr)	99			70 - 130				

Lab Sample ID: LCSD 720-133145/6

Matrix: Water

Analysis Batch: 133145

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD	
	Added	Result	Qualifier							
Methyl tert-butyl ether	25.0	28.2		ug/L	113	62 - 130		2	20	
Benzene	25.0	22.9		ug/L	92	79 - 130		2	20	
Ethylbenzene	25.0	22.9		ug/L	92	80 - 120		2	20	
Toluene	25.0	23.0		ug/L	92	78 - 120		3	20	
m-Xylene & p-Xylene	50.0	47.9		ug/L	96	70 - 142		2	20	
o-Xylene	25.0	26.1		ug/L	104	70 - 130		2	20	
Surrogate		LCSD	LCSD							
		%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	103			67 - 130						
1,2-Dichloroethane-d4 (Surr)	107			75 - 138						
Toluene-d8 (Surr)	100			70 - 130						

TestAmerica Pleasanton

QC Sample Results

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

TestAmerica Job ID: 720-48537-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-133145/8

Matrix: Water

Analysis Batch: 133145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec.	RPD	RPD Limit
		Result	Qualifier			%Rec		
Gasoline Range Organics (GRO) -C5-C12	500	393		ug/L		79	62 - 120	3 20

Surrogate **LCSD** **LCSD**

Surrogate	%Recovery	LCSD	LCSD	Limits
		Qualifier		
4-Bromofluorobenzene	103			67 - 130
1,2-Dichloroethane-d4 (Surr)	111			75 - 138
Toluene-d8 (Surr)	100			70 - 130

Lab Sample ID: MB 720-133242/4

Matrix: Water

Analysis Batch: 133242

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methyl tert-butyl ether	ND		0.50		ug/L			03/28/13 09:29	1
Benzene	ND		0.50		ug/L			03/28/13 09:29	1
Ethylbenzene	ND		0.50		ug/L			03/28/13 09:29	1
Toluene	ND		0.50		ug/L			03/28/13 09:29	1
Xylenes, Total	ND		1.0		ug/L			03/28/13 09:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/28/13 09:29	1

Surrogate **MB** **MB**

Surrogate	%Recovery	MB	MB	Limits	Prepared	Analyzed	Dil Fac
		Qualifier					
4-Bromofluorobenzene	91			67 - 130		03/28/13 09:29	1
1,2-Dichloroethane-d4 (Surr)	99			75 - 138		03/28/13 09:29	1
Toluene-d8 (Surr)	96			70 - 130		03/28/13 09:29	1

Lab Sample ID: LCS 720-133242/5

Matrix: Water

Analysis Batch: 133242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits	
		Result	Qualifier					
Methyl tert-butyl ether	25.0	25.0		ug/L		100	62 - 130	
Benzene	25.0	22.8		ug/L		91	79 - 130	
Ethylbenzene	25.0	24.1		ug/L		97	80 - 120	
Toluene	25.0	23.8		ug/L		95	78 - 120	
m-Xylene & p-Xylene	50.0	50.7		ug/L		101	70 - 142	
o-Xylene	25.0	26.1		ug/L		104	70 - 130	

Surrogate	%Recovery	LCS	LCS	Limits
		Qualifier		
4-Bromofluorobenzene	108			67 - 130
1,2-Dichloroethane-d4 (Surr)	95			75 - 138
Toluene-d8 (Surr)	98			70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: Environmental Risk Services, Corp.

Project/Site: 1700 Jefferson, Oakland

TestAmerica Job ID: 720-48537-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-133242/7

Matrix: Water

Analysis Batch: 133242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Gasoline Range Organics (GRO) -C5-C12	500	474		ug/L		95	62 - 120

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	101		75 - 138
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCSD 720-133242/6

Matrix: Water

Analysis Batch: 133242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD
Methyl tert-butyl ether	25.0	24.8		ug/L		99	62 - 130	0
Benzene	25.0	23.1		ug/L		92	79 - 130	1
Ethylbenzene	25.0	24.0		ug/L		96	80 - 120	1
Toluene	25.0	23.8		ug/L		95	78 - 120	0
m-Xylene & p-Xylene	50.0	50.8		ug/L		102	70 - 142	0
o-Xylene	25.0	26.0		ug/L		104	70 - 130	0

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	109		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		75 - 138
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 720-133242/8

Matrix: Water

Analysis Batch: 133242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD
Gasoline Range Organics (GRO) -C5-C12	500	468		ug/L		94	62 - 120	1

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	101		75 - 138
Toluene-d8 (Surr)	99		70 - 130

TestAmerica Pleasanton

QC Association Summary

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

TestAmerica Job ID: 720-48537-1

GC/MS VOA

Analysis Batch: 133102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-48537-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	5
720-48537-3	MW-4	Total/NA	Water	8260B/CA_LUFT MS	6
720-48537-4	MW-5	Total/NA	Water	8260B/CA_LUFT MS	7
LCS 720-133102/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	8
LCS 720-133102/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	9
LCSD 720-133102/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	10
LCSD 720-133102/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	11
MB 720-133102/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	12

Analysis Batch: 133145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-48537-2	MW-3	Total/NA	Water	8260B/CA_LUFT MS	13
LCS 720-133145/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	14
LCS 720-133145/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-133145/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-133145/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-133145/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 133242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-48537-5	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-133242/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-133242/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-133242/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-133242/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-133242/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

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

TestAmerica Job ID: 720-48537-1

Client Sample ID: MW-1

Date Collected: 03/25/13 09:15
Date Received: 03/25/13 16:35

Lab Sample ID: 720-48537-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		100	133102	03/27/13 04:11	AC	TAL SF

Client Sample ID: MW-3

Date Collected: 03/25/13 10:15
Date Received: 03/25/13 16:35

Lab Sample ID: 720-48537-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	133145	03/27/13 14:30	PD	TAL SF

Client Sample ID: MW-4

Date Collected: 03/25/13 09:44
Date Received: 03/25/13 16:35

Lab Sample ID: 720-48537-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	133102	03/27/13 05:03	AC	TAL SF

Client Sample ID: MW-5

Date Collected: 03/25/13 08:27
Date Received: 03/25/13 16:35

Lab Sample ID: 720-48537-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		100	133102	03/27/13 05:29	AC	TAL SF

Client Sample ID: MW-6

Date Collected: 03/25/13 10:54
Date Received: 03/25/13 16:35

Lab Sample ID: 720-48537-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	133242	03/28/13 11:39	AC	TAL SF

Laboratory References:

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

TestAmerica Pleasanton

Certification Summary

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

TestAmerica Job ID: 720-48537-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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TestAmerica Pleasanton

Method Summary

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

TestAmerica Job ID: 720-48537-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	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 Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Sample Summary

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

TestAmerica Job ID: 720-48537-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-48537-1	MW-1	Water	03/25/13 09:15	03/25/13 16:35
720-48537-2	MW-3	Water	03/25/13 10:15	03/25/13 16:35
720-48537-3	MW-4	Water	03/25/13 09:44	03/25/13 16:35
720-48537-4	MW-5	Water	03/25/13 08:27	03/25/13 16:35
720-48537-5	MW-6	Water	03/25/13 10:54	03/25/13 16:35

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TestAmerica Pleasanton

San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

phone 925.484.1919 fax 925.600.3002

720-48537

Chain of Custody Record

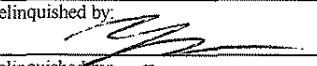
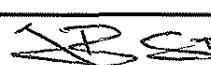
TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

144793

TestAmerica Laboratories, Inc.

3/28/2013

Client Contact		Project Manager: STEVE MICHELSON			Site Contact: Yola Bayram		Date: 10-10-12		COC No
Environmental Risk Services 1600 Riviera Avenue Walnut Creek, CA 94596 (925) 938-1600 x106 (925) 938-1610 Project Name: 1700 JEFFERSON Site: 1700 JEFFERSON P O #		Tel/Fax: 925-938-1600 Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day			Lab Contact: Yola Bayram		Carrier:		1 of 1 COCs
									Job No.
									SDG No.
									Sample Specific Notes
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample TPHg, BTEX, MTBE (\$260)		
MW-1		3/25/13	915	GW	W	3	x		
MW-3		3/25/13	1015	GW	W	3	x		
MW-4		3/25/13	944	GW	W	3	x		
MW-5		3/25/13	827	GW	W	3	x		
MW-6		3/25/13	1054	GW	W	3	x		
 720-48537 Chain of Custody									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1									
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Special Instructions/QC Requirements & Comments: Please email analytical results to ybayram@erscorp.us and smichelso@erscorp.us Please issue GEOTRACKER EDF									
Relinquished by: 	Company: ERS	Date/Time: 3-21-13 1530	Received by: 	Company: TA	Date/Time: 3-25-13 1530				
Relinquished by: 	Company: TA	Date/Time: 3-25-13 1635	Received by: 	Company: TA	Date/Time: 3-25-13 1635				
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:				

1.6⁰

Login Sample Receipt Checklist

Client: Environmental Risk Services, Corp.

Job Number: 720-48537-1

Login Number: 48537

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	