

July 27, 2000

Mr. John Ward  
Wells Fargo Trust  
Asset Management Division  
Trust Real Estate Department  
P.O. Box 63939  
San Francisco, California 94163

# 4252

RE: Groundwater Monitoring Report  
Blumert Trust, 490 43rd Street, Oakland, California  
ACC Project No. 96-6305-001.01

Dear Mr. Ward:

The enclosed report summarizes results of groundwater monitoring at 490 43rd Street, Oakland, California, performed by ACC Environmental Consultants, Inc., (ACC) on July 5, 2000. The next groundwater sampling event is scheduled for January 2001.

On your behalf, ACC is forwarding a copy of this report to the Alameda County Health Care Services Agency, Department of Environmental Health (ACHCSA).

If you have any comments regarding this report, please call me at (510) 638-8400, extension 109.

Sincerely,



David R. DeMent, RG  
Environmental Division Manager

/nhd:drd

Enclosures

cc. Mr. Jay Schnack, McShane, Schnack & Cheitlin  
Mr. Barney Chan, ACHCSA

10/11/00 10:00:00

**GROUNDWATER MONITORING REPORT**

**490 43rd Street  
Oakland, California**

*ACC Project No. 96-6305-001.01*

Prepared for:

Mr. John Ward  
Wells Fargo Trust  
525 Market Street, 18th Floor  
San Francisco, California

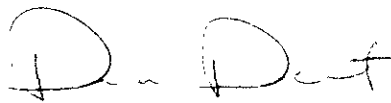
July 27, 2000

Prepared by:

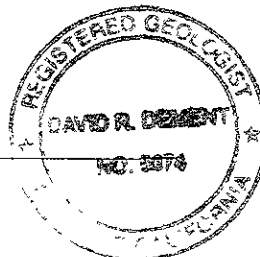


Neil H. Doran  
Staff Geologist

Reviewed by



David R. DeMent, RG  
Environmental Division Manager



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**GROUNDWATER MONITORING REPORT**  
**490 43rd Street**  
**Oakland, California**

## **1.0 INTRODUCTION**

Groundwater monitoring and sampling was conducted by ACC Environmental Consultants, Inc., (ACC) for Wells Fargo Trust on behalf of the Blumert Trust, for the subject property at 490 43rd Street, Oakland, California (Figure 1). The work was conducted at the request of the Alameda County Health Care Services Agency, Department of Environmental Health (ACHCSA) for additional site investigation and characterization of impacted groundwater.

The purpose of the work was to monitor groundwater flow direction and gradient and to evaluate the presence of petroleum hydrocarbons in the local groundwater associated with former gasoline and paint thinner (mineral spirits) underground storage tanks (USTs). The locations of the groundwater monitoring wells and pertinent site features are illustrated on Figure 2.

## **2.0 BACKGROUND**

The site is located at the northeastern corner of Telegraph Avenue and 43rd Street, Oakland, California (Figure 2). The property is relatively flat, at an elevation of approximately 90 feet above mean sea level (MSL). The predominant groundwater flow direction is to the south-southwest.

The facility formerly operated one 1,000-gallon gasoline UST and one 350-gallon mineral spirits UST, which were removed on December 11, 1991. Laboratory analysis of soil samples collected underneath the gasoline UST indicated concentrations of up to 220 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPHg) and minor concentrations of benzene, toluene, ethylbenzene, and total xylenes (BTEX). Laboratory analysis of soil samples collected underneath the mineral spirit UST indicated concentrations up to 25 ppm mineral spirits. Groundwater was observed in the excavation at a depth of approximately 12.5 feet below ground surface (bgs). The tank pit, which formerly contained both USTs, was overexcavated on March 31, 1992, to remove additional impacted soil. Laboratory analysis of soil samples collected from excavation sidewalls indicated concentrations of up to 720 ppm TPHg, 30 ppm BTEX constituents, and 190 ppm mineral spirits.

Three groundwater monitoring wells were installed on April 12, 1993, by Kaprealian Engineering, Inc., (KEI) and have been monitored periodically since that time. Gradient was calculated at approximately 0.01 foot/foot and flow direction was to the south-southwest. Groundwater samples collected from the three monitoring wells indicated elevated TPHg and mineral spirit concentrations.

On June 1, 1994, KEI drilled exploratory soil borings EB1 and EB2. Concentrations of TPHg and mineral spirits ranging from 28 to 180 ppm were detected in soil samples collected from boring EB2 at depths of 10 and 12 feet bgs. Grab groundwater samples collected from borings EB1 and EB2 indicated concentrations of TPHg at 3,400 parts per billion (ppb) and 9,200 ppb, respectively.

and mineral spirits at 7,000 ppb and 3,700 ppb, respectively. Sieve analysis of saturated soil at the site determined that the soil should be classified as silty sand (SM).

To further evaluate the extent of hydrocarbon impact to soil and groundwater, ACC performed an exploratory boring investigation in April 1996. ACC drilled two exploratory soil borings (SB1 and SB2) to characterize soil conditions in the immediate vicinity of the former tank excavation and six additional exploratory borings (B3 through B8) upgradient and downgradient of the former USTs to characterize groundwater in the general vicinity of the former tank excavation. Concentrations of mineral spirits were detected in sample SB1-9.0 at 52 ppm and in sample SB2-9.0 at 78 ppm. Grab groundwater samples were collected from borings B3 through B8 and analyzed for TPHg, BTEX, and mineral spirits. Concentrations of TPHg ranged from nondetectable in groundwater samples collected from borings B3 and B8 to 46,000 ppb in a sample collected from boring B6. Concentrations of mineral spirits ranged from nondetectable in samples collected from borings B3 and B8 to 16,000 ppb in a sample from boring B7. Petroleum hydrocarbon impacts to shallow groundwater were not fully delineated, but concentrations of TPHg and mineral spirits appear to have migrated preferentially along utility trench lines. Field observations indicated that general aquifer quality was poor, and subsurface groundwater migration was believed to be minimal based on soil type, flat hydraulic gradient, and minimal surface water infiltration.

In a letter to Wells Fargo Bank dated October 17, 1996, ACHCSA approved biannual groundwater monitoring, the installation of one additional monitoring well, and evaluation of options to artificially introduce dissolved oxygen (DO) into shallow groundwater to assist natural degradation processes. In July 1999, one additional groundwater monitoring well was installed downgradient of the former USTs and ORC® was introduced through a series of soil borings. Biannual groundwater monitoring and sampling has been conducted at the site since December 1996.

### **3.0 GROUNDWATER MONITORING AND SAMPLING**

ACC monitored and sampled wells MW-1 through MW-4 on July 5, 2000. This sampling event was performed to further characterize groundwater conditions at the site. Work at the site included measuring depth to water, subjectively evaluating groundwater in the wells, measuring groundwater parameters such as pH, temperature, conductivity, and DO, and purging and sampling the wells for laboratory analysis.

#### **3.1 Groundwater Monitoring**

Before groundwater sampling, the depth to the surface of the water table was measured from the top of the well casing using a Solinst water level meter. The water level measurements were recorded to the nearest 0.01 foot with respect to MSL. Groundwater monitoring data obtained at the site is included as Appendix 1. Information regarding well elevations and groundwater levels is summarized in Table 1.

**TABLE 1 - GROUNDWATER DEPTH INFORMATION**

Well No.	Well Elevation* (above MSL)	Date Measured	Depth to Groundwater	Groundwater Elevation
MW-1	91.02'	04/14/94	11.19	79.83
		05/23/94	10.75	80.27
		06/16/94	11.72	79.30
		04/12/95	9.72	81.31
		05/10/95	10.11	80.91
		06/28/95	10.91	80.11
		12/05/95	12.21	78.81
		05/30/96	10.23	80.79
		09/03/96	12.10	78.92
		12/06/96	9.32	81.70
		06/12/97	11.85	79.17
		12/16/97	8.87	82.15
		06/19/98	10.77	80.25
		12/17/98	10.04	80.98
		06/22/99	11.60	79.42
		12/20/99	11.26	79.76
MW-2	90.55'	03/29/00	10.12	80.90
		07/05/00	11.90	79.12
		04/14/94	10.95	79.60
		05/23/94	10.52	80.03
		06/16/94	11.49	79.06
		04/12/95	9.59	80.96
		05/10/95	10.00	80.55
		06/28/95	10.95	79.60
		12/05/95	12.34	78.21
		05/30/96	10.01	80.54
		09/03/96	11.87	78.68
		12/06/96	9.42	81.13
		06/12/97	11.65	78.90
		12/16/97	8.74	81.81
		06/19/98	10.49	80.06
		12/17/98	9.99	80.56
06/22/99	11.74	78.81		
12/20/99	11.46	79.09		
03/29/00	10.40	80.15		
07/05/00	12.16	78.39		

Notes: All measurements in feet

\*Well elevation measured to top of casing

**TABLE 1 - CONTINUED**

Well No.	Well Elevation* (above MSL)	Date Measured	Depth to Groundwater	Groundwater Elevation
MW-3	90.90'	04/14/94	11.23	79.67
		05/23/94	10.74	80.16
		06/16/94	11.81	79.09
		04/12/95	9.72	81.18
		05/10/95	10.16	80.74
		06/28/95	10.99	79.91
		12/05/95	12.39	78.51
		05/30/96	9.97	80.93
		09/03/96	12.40	78.50
		12/06/96	9.12	81.78
		06/12/97	11.86	79.04
		12/16/97	8.54	82.36
		06/19/98	10.66	80.24
		12/17/98	9.98	80.92
		06/22/99	11.76	79.14
		12/20/99	11.50	79.40
MW-4	90.16'	03/29/00	10.10	80.80
		07/05/00	12.10	78.80
		12/20/99	12.28	77.80
		03/29/00	11.14	79.02
		07/05/00	13.00	77.16

Notes: All measurements in feet

\*Well elevation measured to top of casing

### 3.2 Groundwater Gradient

The groundwater flow direction as determined from monitoring well data collected on July 5, 2000, is illustrated on Figure 3. Based on groundwater elevation calculations, groundwater flow is toward the south-southwest at an average gradient of 0.036 foot/foot. The groundwater gradient between wells MW-1, MW-2, and MW-3 was 0.031 indicating that gradient is fairly consistent across the entire site extending to well MW-4.

Historical groundwater gradients and flow directions are summarized in Table 2.

**TABLE 2 - GROUNDWATER GRADIENT AND FLOW DIRECTION**

Date Monitored	Average Gradient (foot/foot)	Direction
04/14/94	0.007	South
05/23/94	0.008	South
06/16/94	0.007	South
04/12/95	0.010	South-southwest
05/10/95	0.011	South-southwest
06/28/95	0.010	South-southwest
12/05/95	0.020	South-southwest
05/30/96	0.014	Southwest
09/03/96	0.012	Southeast
12/06/96	0.036	Southwest
06/12/97	0.012	South-southwest
12/16/97	0.026	Southwest
06/19/98	0.010	Southwest
12/17/98	0.016	Southwest
06/22/99	0.026	Southwest
12/20/99	0.035*	South-southwest*
03/29/00	0.036	Southwest
07/05/00	0.036	South-southwest

Notes: \*Gradient and flow direction calculated using data from wells MW-1, MW-2, and MW-3 only

### 3.3 Groundwater Sampling

Prior to groundwater sampling, each well was purged using a disposable polyethylene bailer. ACC measured pH, DO, conductivity, temperature, salinity, and turbidity during well purging. When these parameters stabilized and four well casing volumes of water had been removed from each well, groundwater samples were collected. Following purging, each well was allowed to recharge before sampling.

Each well was sampled using a new, disposable polyethylene bailer attached to new rope. From each monitoring well, laboratory supplied sample vials and bottles were filled to overflowing and sealed so that no air was trapped in the vial or bottle. Once filled, vials were inverted and tapped to test for air bubbles. Sample containers were labeled with self-adhesive, pre-printed tags. All



samples were stored in pre-chilled, insulated containers pending delivery to Chromalab Inc. (Chromalab), a state-certified laboratory, for analysis.

Water purged during the sampling of the monitoring wells is temporarily stored on site in Department of Transportation approved 55-gallon drums pending receipt of laboratory analytical results and proper disposal.

#### **4.0 RESULTS OF GROUNDWATER SAMPLING**

Groundwater samples collected from monitoring wells MW-1 through MW-4 were submitted to Chromalab following chain of custody protocol. The samples were analyzed for TPHg, BTEX, and methyl tertiary butyl ether (MTBE) using EPA Methods 8020 and 8015M, and total extractable petroleum hydrocarbons as mineral spirits (TEPH as mineral spirits) using EPA Method 8015M. Copies of the chain of custody record and laboratory analytical reports are included as Appendix 2. Groundwater sample analytical results are summarized in Table 3.

**TABLE 3 - GROUNDWATER SAMPLE ANALYTICAL RESULTS**

Well / Date	Mineral Spirits (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
<b>MW-1</b>							
04/29/93	600	290	31	1.9	2.7	5.4	--
12/13/93	820	1,700	170	22	19	48	--
03/15/94	1,200	2,100	250	12	27	38	--
06/16/94	430	700	35	6.8	8.7	10	--
09/13/94	73	170	6.6	1.6	2.4	3.3	--
12/08/94	170	420	16	3.0	2.9	2.7	--
03/14/95	65	630	39	ND	7.0	8.6	--
06/28/95	130	720	100	7.8	23	32	--
10/13/95	900	290	8.6	0.55	2.8	1.4	--
12/05/95	70	94	5.6	ND	0.67	0.53	--
05/30/96	<50	1,700 <sup>(1)</sup>	62	<0.5	16	18	<5
09/03/96	<50	570	1.8	0.61	8.5	7.3	<5
12/06/96	<51	2,600	84	2.8	30	23	--
06/12/97	<51	580	9.4	1.3	5.0	4.0	8.1
12/16/97	490 <sup>(4)</sup>	840	12	2.5	8.0	4.4	17
06/19/98	480	130	0.80	<0.50	1.8	0.52	<5.0
12/17/98	300 <sup>(4)</sup>	89	1.9	<0.50	<0.50	0.69	<5.0
06/22/99	<50	220	6.7	<0.50	4.5	<0.50	<5.0
12/20/99	<50	130	1.5	<0.50	0.71	<0.50	<5.0
03/29/00	<50	360	7.0	2.0	4.7	3.5	<5.0
07/05/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0
<b>MW-2</b>							
04/29/93	4,100	11,000	2,400	51	76	160	--
12/13/93	2,600	11,000	1,400	66	150	94	--
06/16/94	11,000	18,000	2,100	ND	200	70	--
09/13/94	5,400	12,000	1,400	50	200	89	--
12/08/94	3,200	11,000	1,700	34	200	86	--
03/14/95	670	14,000	1,500	41	160	66	--
06/28/95	8,700	11,000	1,700	ND	230	78	--
10/13/95	1,500	9,400	1,200	41	200	61	--
12/05/95	24,000	150,000	890	200	720	500	--
05/30/96	<50	10,000 <sup>(1)</sup>	61	5.1	28	11	<5 <sup>(2)</sup>
09/03/96	<50	7,400	960	19	130	37	<100 <sup>(2)</sup>
09/03/96 <sup>(3)</sup>	2,800	7,800	1,400	<0.5	210	91	300
12/06/96	<54	12,000	850	8	140	36	--
06/12/97	<50	5,100	810	25	68	13	<5
12/16/97	3,600 <sup>(4)</sup>	3,000	400	9.2	26	10	44
06/19/98	7,200	5,900	760	15	100	33	<25
12/17/98	3,400 <sup>(4)</sup>	7,300	850	33	200	22	<25
06/22/99	1,200	7,800	660	<10	140	<10	<100
12/20/99	4,600 <sup>(4)</sup>	9,400	650	24	92	21	<100
03/29/00	3,600	11,000	590	130	250	440	<250
07/05/00	6,200	6,500	360	56	130	170	<250

Well / Date	Mineral Spirits (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
<b>MW-3</b>							
04/29/93	5,800	8,500	840	17	40	42	--
12/13/93	3,500	6,200	580	120	65	120	--
06/16/94	4,700	7,700	910	ND	86	50	--
09/13/94	8,700	6,800	430	14	45	37	--
12/08/94	2,100	1,500	820	ND	52	28	--
03/14/95	480	5,600	250	11	25	30	--
06/28/95	2,100	14,000	650	18	70	54	--
10/13/95	430	2,500	270	1.9	15	10	--
12/05/95	5,400	4,200	250	ND	26	ND	--
05/30/96	<50	5,300 <sup>(1)</sup>	65	1.5	9.0	5.1	<5 <sup>(2)</sup>
09/03/96	<50	8,900	460	17	51	77	<25 <sup>(2)</sup>
09/03/96 <sup>(3)</sup>	7,100	4,800	800	14	39	39	120
12/06/96	<100	7,000	740	<5	60	17	--
06/12/97	<50	2,800	460	14	59	28	<50
12/16/97	4,000 <sup>(4)</sup>	4,900	1,700	17	52	20	92
06/19/98	10,000	3,800	470	19	49	21	<25
12/17/98	240 <sup>(4)</sup>	5,000	450	18	100	4.8	<25
06/22/99	790	3,100	190	<1.0	52	<1.0	<10
12/20/99	6,400 <sup>(4)</sup>	4,500	230	12	47	38	<100
03/29/00	2,900	7,900	330	<2.5	58	30	<25
07/05/00	2,300	3,400	190	15	29	12	<25
<b>MW-4</b>							
06/22/99	1,900	3,200	410	<2.5	54	12	90
12/20/99	2,000 <sup>(4)</sup>	2,000	160	7.4	8.0	7.0	25
03/29/00	<50	4,200	600	15	26	24	74
07/05/00	<50	2,900	410	23	19	18	56

Notes: All water results are reported in µg/L, approximately equal to ppb  
< = Not detected at laboratory reporting limit indicated

-- = Analysis not performed

<sup>(1)</sup> Value revised by Chromalab from May 1996, submission 9605835

<sup>(2)</sup> Confirmed by gas chromatography/mass spectrometry (GC/MS)

<sup>(3)</sup> Duplicate sample analysis by Sequoia Analytical

<sup>(4)</sup> Quantitation for this analyte is based on the response factor of diesel. Hydrocarbons reported do not match the pattern of the mineral spirit standard.

## 5.0 DISCUSSION

Groundwater gradient and flow direction were calculated to be 0.036 foot/foot to the south-southwest in July 2000. These values are consistent with the two previous sampling events. Based on the increase in groundwater gradient during the last three monitoring events, ACC evaluated the effect of including well MW-4. While the overall groundwater gradient averaged 0.036 from December 1999 to July 2000, gradient between wells MW-1, MW-2, and MW-3 averaged 0.032. This indicates that the gradient in the area is indicative of regional conditions. The cause of the increased gradient observed during the last three monitoring events is unknown.

Analytical results from the July 2000 sampling event indicate that concentrations of TPHg, BTEX and mineral spirits decreased to below detectable levels in well MW-1. Concentrations of mineral spirits increased in well MW-2 and decreased in well MW-3, and were not detected above laboratory reporting limits in well downgradient well MW-4. Concentrations of TPHg decreased in wells MW-2, MW-3 and MW-4, with an overall decrease in concentrations of BTEX constituents. The highest reported concentration of TPHg was 6,500 ppb in the sample from MW-2, and the highest concentration of benzene was 410 ppb in the sample from well MW-4. MTBE was reported in well MW-4 only at a concentration of 56 ppb.

During the July 2000 sampling event, at the recommendation of Regenesis (manufacturer of ORC®), ACC utilized a Hach® field test kit to monitor levels of DO in groundwater. Levels of DO do not appear to have increased significantly since introduction of ORC® in July 1999, possibly due to utilization by enhanced microbial populations. While the increase in groundwater gradient has increased groundwater velocity and recharge, and likely resulted in increased “flushing” in the subsurface, the reason why increased DO has not been observed the monitoring wells, especially in downgradient well MW-4, is unknown.

In summary, groundwater gradient has increased and flow direction is unchanged, dissolved concentrations of gasoline constituents have decreased in all four wells and continue to demonstrate a downward trend, and this trend can be expected to continue due to apparent natural attenuation mechanisms.

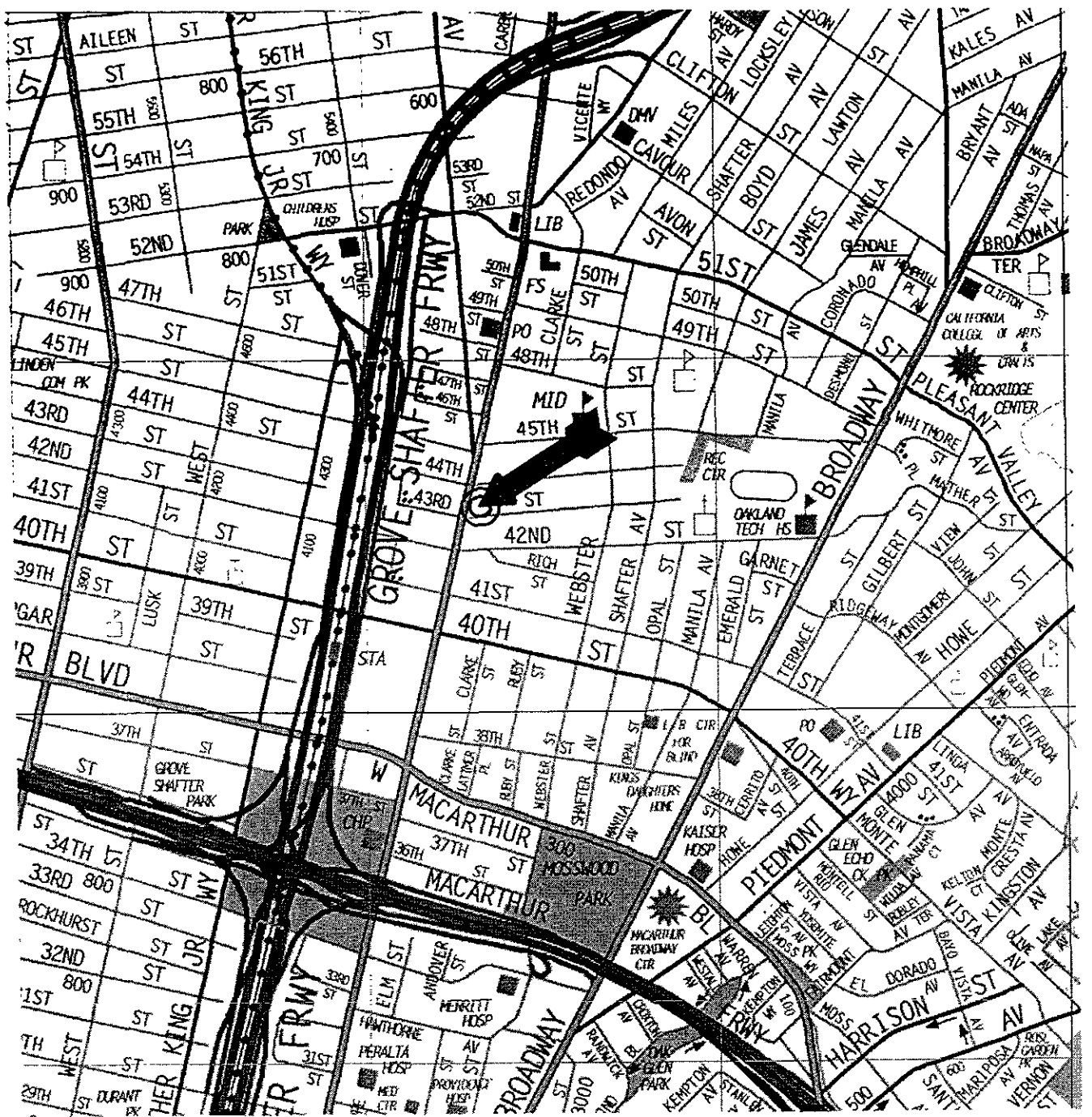
## 6.0 CONCLUSIONS

Based on historical data and analytical results of this sampling and monitoring event, ACC concludes the following:

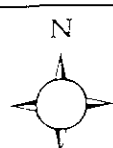
- Groundwater flow direction and gradient are consistent with two previous sampling events, however, gradient has approximately doubled from values obtained during previous monitoring;
- Dissolved TPHg, BTEX, and mineral spirits continue to be detected in groundwater in the immediate vicinity of wells MW-2 through MW-4 and concentrations continue to demonstrate a decreasing trend; and
- DO concentrations are consistent with measurements obtained prior to ORC introduction and appear to be indicative of enhanced natural degradation processes.

## 7.0 RECOMMENDATIONS

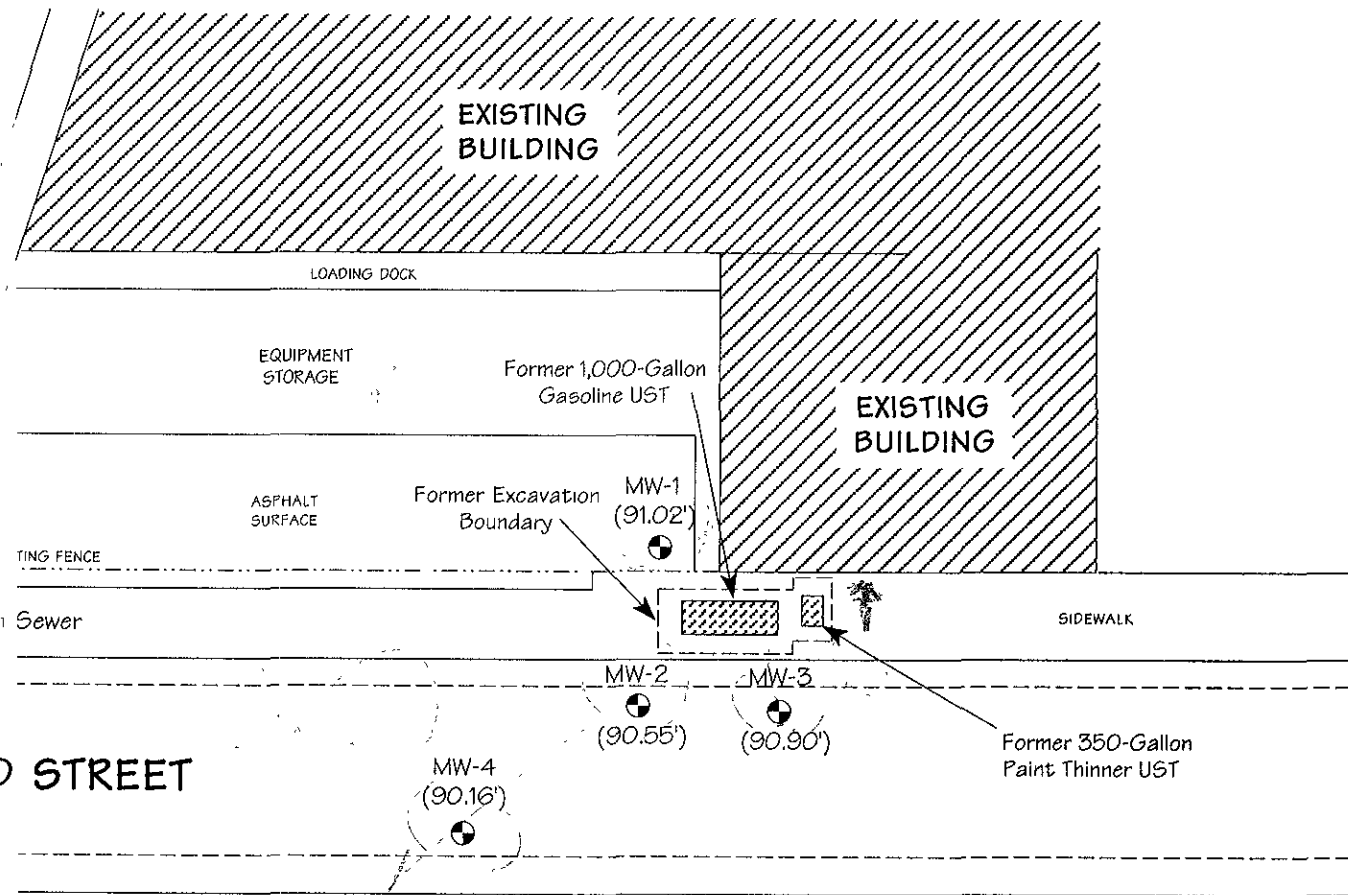
Based on the analytical results and conclusions presented above, ACC recommends meeting with the ACHCSA to discuss these findings and determine the appropriate steps remaining to justify regulatory case closure and future groundwater monitoring requirements




490 43rd Street Guide CD ROM, 1997


Title: Location Map 490 43rd Street Oakland, California	
Figure Number 1	Scale 1" = 1/4 Mile
Project Number 6305-01.01	Drawn By NHD
<b>A.C.C</b> ENVIRONMENTAL CONSULTANTS 7477 Central Expressway Oakland, California 94621 (415) 734-1100	
N W  E S	


TELEGRAPH AVENUE



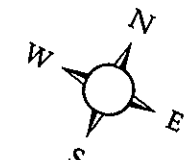
 Former 1,000-Gallon Gasoline UST (489 43rd Street)

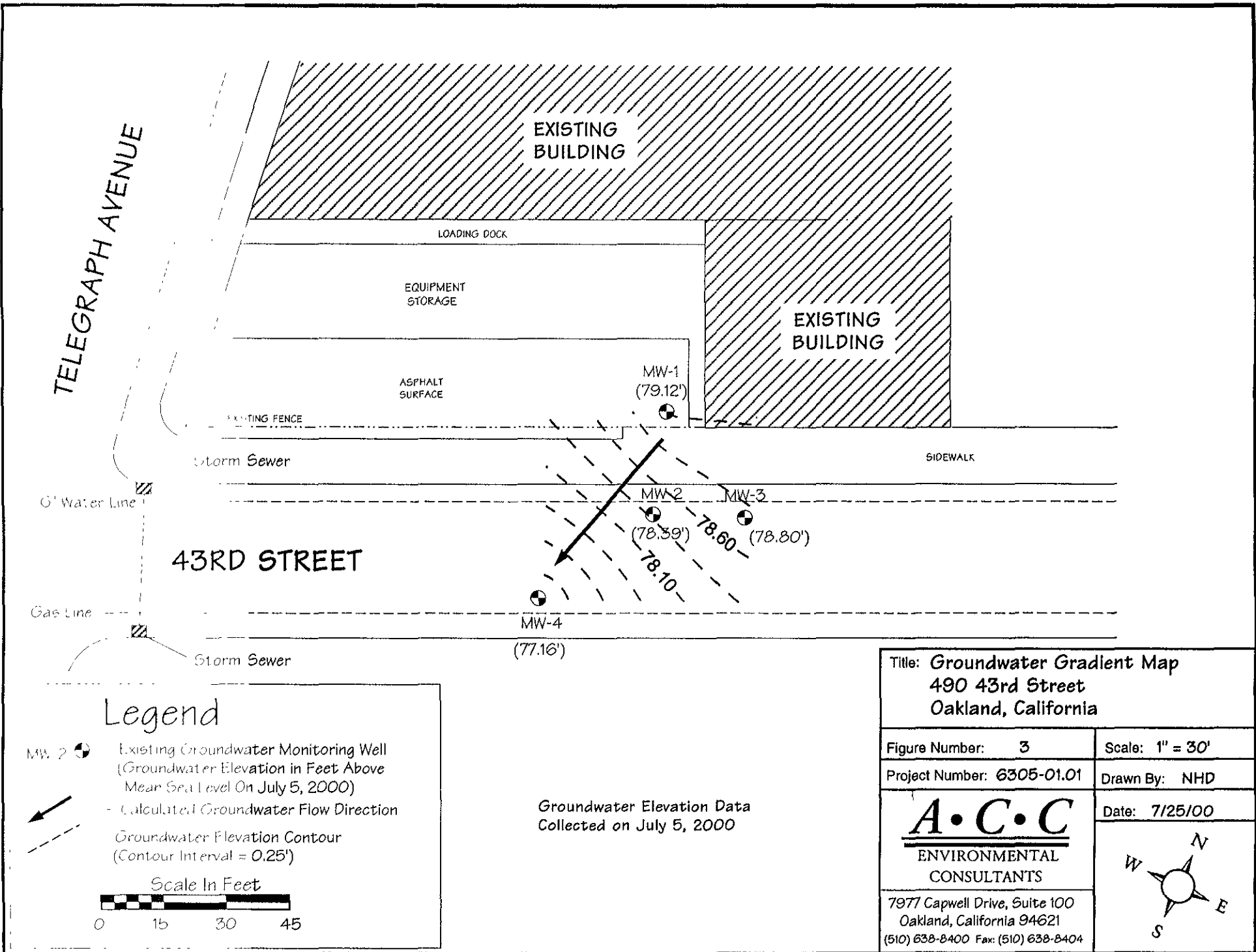
Legend

MW  Existing Groundwater Monitoring Well (elevation, in Feet Above MSL)

 Former Underground Storage Tank



Title: <b>Site Plan</b> <b>490 43rd Street</b> <b>Oakland, California</b>	
Figure Number: <b>2</b>	Scale: <b>1" = 30'</b>
Project Number: <b>6305-01.01</b>	Drawn By: <b>NHD</b>
<b>A.C.C.</b> ENVIRONMENTAL CONSULTANTS	
7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax: (510) 638-8404	
	



JOB NAME: <u>Blumert Trust</u>		PURGE METHOD: <u>Manual Bailing</u>	
SITE ADDRESS: <u>400 43rd Street, Oakland</u>		SAMPLED BY: <u>Neil Doran</u>	
JOB #: <u>6305-001.01</u>		LABORATORY: <u>Chromalab</u>	
DATE: <u>7/5/00</u>		ANALYSIS: <u>3/BTEX/MTBE, TEPH - Min. Spirits</u>	
Onsite Drum Inventory SOIL:		MONITORING <input checked="" type="checkbox"/> DEVELOPING <input type="checkbox"/>	
EMPTY: WATER: <u>1-Pull, 1-30%</u>		SAMPLING <input checked="" type="checkbox"/>	

	PURGE	PURGE WATER READINGS						OBSERVATIONS
	VOL	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	
<b>WELL: MW-1</b>	(Gal)							<input type="checkbox"/> Froth
DEPTH OF BORING: <u>22.40'</u>	<u>1.8</u>	<u>5.85</u>	<u>19.7</u>	<u>0.390</u>	<u>0.01</u>	<u>130</u>	<u>2.09</u>	<input type="checkbox"/> Sheen
DEPTH TO WATER: <u>11.90'</u>	<u>3.6</u>	<u>5.99</u>	<u>19.4</u>	<u>0.322</u>	<u>0.01</u>	<u>370</u>	<u>2.03</u>	<input type="checkbox"/> Odor Type _____
WATER COLUMN: <u>10.50'</u>	<u>5.4</u>	<u>6.08</u>	<u>19.0</u>	<u>0.318</u>	<u>0.01</u>	<u>327</u>	<u>2.02</u>	<input type="checkbox"/> Free Product
WELL DIAMETER: <u>2"</u>	<u>7.2</u>	<u>6.10</u>	<u>19.6</u>	<u>0.319</u>	<u>0.01</u>	<u>736</u>	<u>2.13</u>	Amount _____ Type _____
WELL VOLUME: <u>1.8 gal</u>							<u>5.0*</u>	<input type="checkbox"/> Other
COMMENTS:								<u>*Hack method</u>
<b>WELL: MW-2</b>	(Gal)							<input type="checkbox"/> Froth
DEPTH OF BORING: <u>21.16'</u>	<u>1.5</u>	<u>6.53</u>	<u>19.9</u>	<u>0.475</u>	<u>0.01</u>	<u>101</u>	<u>2.70</u>	<input checked="" type="checkbox"/> Sheen
DEPTH TO WATER: <u>12.16'</u>	<u>3.0</u>	<u>6.57</u>	<u>19.7</u>	<u>0.488</u>	<u>0.02</u>	<u>171</u>	<u>1.50</u>	<input checked="" type="checkbox"/> Odor Type <u>gas(?)</u>
WATER COLUMN: <u>9.00'</u>	<u>4.5</u>	<u>6.69</u>	<u>19.6</u>	<u>0.471</u>	<u>0.01</u>	<u>520</u>	<u>1.05</u>	<input type="checkbox"/> Free Product
WELL DIAMETER: <u>2"</u>	<u>6.0</u>	<u>6.71</u>	<u>19.4</u>	<u>0.470</u>	<u>0.01</u>	<u>885</u>	<u>0.80</u>	Amount _____ Type _____
WELL VOLUME: <u>1.5 gal</u>							<u>1.4*</u>	<input type="checkbox"/> Other
COMMENTS:								<u>*Hack method</u>
<b>WELL: MW-3</b>	(Gal)							<input type="checkbox"/> Froth
DEPTH OF BORING: <u>21.56'</u>	<u>1.5</u>	<u>6.63</u>	<u>19.9</u>	<u>0.594</u>	<u>0.02</u>	<u>075</u>	<u>1.10</u>	<input type="checkbox"/> Sheen
DEPTH TO WATER: <u>12.10'</u>	<u>3.0</u>	<u>6.54</u>	<u>19.7</u>	<u>0.586</u>	<u>0.02</u>	<u>175</u>	<u>0.83</u>	<input type="checkbox"/> Odor Type _____
WATER COLUMN: <u>9.46'</u>	<u>4.5</u>	<u>6.61</u>	<u>19.6</u>	<u>0.568</u>	<u>0.02</u>	<u>225</u>	<u>1.75</u>	<input type="checkbox"/> Free Product
WELL DIAMETER: <u>2"</u>	<u>6.0</u>	<u>6.58</u>	<u>19.6</u>	<u>0.556</u>	<u>0.02</u>	<u>450</u>	<u>2.45</u>	Amount _____ Type _____
WELL VOLUME: <u>1.5 gal</u>							<u>10*</u>	<input type="checkbox"/> Other
COMMENTS:								<u>*Hack method</u>



<b>JOB NAME:</b> Blumert Truss	<b>PURGE METHOD:</b> Manual Bailing
<b>SITE ADDRESS:</b> 490 43rd Street, Oakland	<b>SAMPLED BY:</b> Neil Doran
<b>JOB #:</b> 6305-001.01	<b>LABORATORY:</b> Chromalab
<b>DATE:</b> 7/5/00	<b>ANALYSIS:</b> g/btex/wtbe, TEPH
<b>Onsite Drum Inventory</b> SOIL:	<b>MONITORING</b> <input checked="" type="checkbox"/>
<b>EMPTY:</b> WATER: 4-Pull, 1-30%	<b>DEVELOPING</b> <input type="checkbox"/>
	<b>SAMPLING</b> <input checked="" type="checkbox"/>

	PURGE VOL	PURGE WATER READINGS						OBSERVATIONS
	(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	
<b>WELL:</b> MW-4								<input type="checkbox"/> Froth
DEPTH OF BORING: 19.98'	1.1						3.0*	<input type="checkbox"/> Sheen
DEPTH TO WATER: 13.00'	2.2	6.97	19.7	0.624	0.02	585	1.70	<input type="checkbox"/> Odor Type _____
WATER COLUMN: 6.98'	3.3						1.0*	<input type="checkbox"/> Free Product
WELL DIAMETER: 2"	4.4	6.75	19.5	0.634	0.02	960	0.80	Amount _____ Type _____
WELL VOLUME: 1.1 gal								<input type="checkbox"/> Other
COMMENTS:								* High metal load
<b>WELL:</b>	(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	<input type="checkbox"/> Froth
DEPTH OF BORING:								<input type="checkbox"/> Sheen
DEPTH TO WATER:								<input type="checkbox"/> Odor Type _____
WATER COLUMN:								<input type="checkbox"/> Free Product
WELL DIAMETER:								Amount _____ Type _____
WELL VOLUME:								<input type="checkbox"/> Other
COMMENTS:								
<b>WELL:</b>	(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	<input type="checkbox"/> Froth
DEPTH OF BORING:								<input type="checkbox"/> Sheen
DEPTH TO WATER:								<input type="checkbox"/> Odor Type _____
WATER COLUMN:								<input type="checkbox"/> Free Product
WELL DIAMETER:								Amount _____ Type _____
WELL VOLUME:								<input type="checkbox"/> Other
COMMENTS:								

**ACC Environmental Consultants**

7977 Capwell Drive, Suite 100

Oakland, CA 94621

Attn.: Mr. Neil Doran

Project: 6305-001.01  
490 43rd Street

Dear Doran,

Attached is our report for your samples received on Monday July 10, 2000  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after August 9, 2000  
unless you have requested otherwise. We appreciate the opportunity to be of service to you.  
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.  
My email address is: [vvancil@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil

Gas/BTEX and MTBE

<b>ACC Environmental Consultants</b>	✉ 7977 Capwell Drive, Suite 100 Oakland, CA 94621
Attn: Neil Doran	Phone: (510) 638-8400 Fax: (510) 638-8404
Project #: 6305-001.01	Project: 490 43rd Street

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	07/05/2000 14:40	1
MW-2	Water	07/05/2000 15:20	2
MW-3	Water	07/05/2000 16:15	3
MW-4	Water	07/05/2000 17:00	4

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-1	Lab Sample ID: 2000-07-0088-001
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 14:40	Extracted: 07/10/2000 23:54
Matrix: Water	QC-Batch: 2000/07/10-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/10/2000 23:54	
Benzene	ND	0.50	ug/L	1.00	07/10/2000 23:54	
Toluene	ND	0.50	ug/L	1.00	07/10/2000 23:54	
Ethyl benzene	ND	0.50	ug/L	1.00	07/10/2000 23:54	
Xylene(s)	ND	0.50	ug/L	1.00	07/10/2000 23:54	
MTBE	ND	5.0	ug/L	1.00	07/10/2000 23:54	
<b>Surrogate(s)</b>						
Trifluorotoluene	87.4	58-124	%	1.00	07/10/2000 23:54	
4-Bromofluorobenzene-FID	80.5	50-150	%	1.00	07/10/2000 23:54	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone (925) 484-1919 \* Facsimile (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-2	Lab Sample ID: 2000-07-0088-002
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 15:20	Extracted: 07/11/2000 00:28
Matrix: Water	QC-Batch: 2000/07/10-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	6500	2500	ug/L	50.00	07/11/2000 00:28	
Benzene	360	25	ug/L	50.00	07/11/2000 00:28	
Toluene	56	25	ug/L	50.00	07/11/2000 00:28	
Ethyl benzene	130	25	ug/L	50.00	07/11/2000 00:28	
Xylene(s)	170	25	ug/L	50.00	07/11/2000 00:28	
MTBE	ND	250	ug/L	50.00	07/11/2000 00:28	
<b>Surrogate(s)</b>						
Trifluorotoluene	90.6	58-124	%	1.00	07/11/2000 00:28	
4-Bromofluorobenzene-FID	80.9	50-150	%	1.00	07/11/2000 00:28	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-3	Lab Sample ID: 2000-07-0088-003
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 16:15	Extracted: 07/11/2000 01:03
Matrix: Water	QC-Batch: 2000/07/10-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	3400	250	ug/L	5.00	07/11/2000 01:03	
Benzene	190	2.5	ug/L	5.00	07/11/2000 01:03	
Toluene	15	2.5	ug/L	5.00	07/11/2000 01:03	
Ethyl benzene	29	2.5	ug/L	5.00	07/11/2000 01:03	
Xylene(s)	12	2.5	ug/L	5.00	07/11/2000 01:03	
MTBE	ND	25	ug/L	5.00	07/11/2000 01:03	
<b>Surrogate(s)</b>						
Trifluorotoluene	116.8	58-124	%	1.00	07/11/2000 01:03	
4-Bromofluorobenzene-FID	92.9	50-150	%	1.00	07/11/2000 01:03	

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Telephone (925) 484-1919 \* Facsimile (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-4	Lab Sample ID: 2000-07-0088-004
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 17:00	Extracted: 07/11/2000 01:38
Matrix: Water	QC-Batch: 2000/07/10-01.01

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	2900	250	ug/L	5.00	07/11/2000 01:38	
Benzene	410	2.5	ug/L	5.00	07/11/2000 01:38	
Toluene	23	2.5	ug/L	5.00	07/11/2000 01:38	
Ethyl benzene	19	2.5	ug/L	5.00	07/11/2000 01:38	
Xylene(s)	18	2.5	ug/L	5.00	07/11/2000 01:38	
MTBE	56	25	ug/L	5.00	07/11/2000 01:38	
<b>Surrogate(s)</b>						
Trifluorotoluene	108.0	58-124	%	1.00	07/11/2000 01:38	
4-Bromofluorobenzene-FID	85.2	50-150	%	1.00	07/11/2000 01:38	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn.: Neil Doran

Prep Method: 5030

## Batch QC Report Gas/BTEX and MTBE

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/07/10-01.01</b>
MB: 2000/07/10-01.01-001		Date Extracted: 07/10/2000 08:59

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	07/10/2000 08:59	
Benzene	ND	0.5	ug/L	07/10/2000 08:59	
Toluene	ND	0.5	ug/L	07/10/2000 08:59	
Ethyl benzene	ND	0.5	ug/L	07/10/2000 08:59	
Xylene(s)	ND	0.5	ug/L	07/10/2000 08:59	
MTBE	ND	5.0	ug/L	07/10/2000 08:59	
<b>Surrogate(s)</b>					
Trifluorotoluene	91.4	58-124	%	07/10/2000 08:59	
4-Bromofluorobenzene-FID	83.8	50-150	%	07/10/2000 08:59	



To: ACC Environmental Consultants

Test Method: 8020  
8015M

Attn: Neil Doran

Prep Method: 5030

### Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/07/10-01.01
LCS: 2000/07/10-01.01-002	Extracted: 07/10/2000 06:14	Analyzed 07/10/2000 06:14
LCSD: 2000/07/10-01.01-003	Extracted: 07/10/2000 06:49	Analyzed 07/10/2000 06:49

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]			RPD		Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD [%]	Recovery	RPD	LCS	LCSD		
Gasoline	482	450	500	500	96.4	90.0	6.9	75-125	20				
Benzene	92.6	90.5	100.0	100.0	92.6	90.5	2.3	77-123	20				
Toluene	87.3	85.3	100.0	100.0	87.3	85.3	2.3	78-122	20				
Ethyl benzene	89.3	87.6	100.0	100.0	89.3	87.6	1.9	70-130	20				
Xylene(s)	267	261	300	300	89.0	87.0	2.3	75-125	20				
<b>Surrogate(s)</b>													
Trifluorotoluene	407	400	500	500	81.4	80.0		58-124					
4-Bromofluorobenzene-FI	405	390	500	500	81.0	78.0		50-150					

Total Extractable Petroleum Hydrocarbons (TEPH)

<b>ACC Environmental Consultants</b>	✉ 7977 Capwell Drive, Suite 100 Oakland, CA 94621
Attn: Neil Doran	Phone: (510) 638-8400 Fax: (510) 638-8404
Project #: 6305-001.01	Project: 490 43rd Street

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	07/05/2000 14:40	1
MW-2	Water	07/05/2000 15:20	2
MW-3	Water	07/05/2000 16:15	3
MW-4	Water	07/05/2000 17:00	4

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8015m

Attn.: Neil Doran

Prep Method: 3510/8015M

## Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: <b>MW-1</b>	Lab Sample ID: <b>2000-07-0088-001</b>
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 14:40	Extracted: 07/10/2000 12:58
Matrix: Water	QC-Batch: 2000/07/10-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	07/11/2000 21:38	
Mineral spirits	ND	50	ug/L	1.00	07/11/2000 21:38	
<b>Surrogate(s)</b> o-Terphenyl	90.6	60-130	%	1.00	07/11/2000 21:38	

1220 Quarry Lane \* Pleasanton CA 94566-4756

Telephone (925) 484-1919 \* Facsimile (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8015m

Attn.: Neil Doran

Prep Method: 3510/8015M

## Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: <b>MW-2</b>	Lab Sample ID: <b>2000-07-0088-002</b>
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 15:20	Extracted: 07/10/2000 12:58
Matrix: Water	QC-Batch: 2000/07/10-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	500	ug/L	10.00	07/12/2000 18:16	
Mineral spirits	6200	500	ug/L	10.00	07/12/2000 18:16	
<b>Surrogate(s)</b> o-Terphenyl	91.8	60-130	%	10.00	07/12/2000 18:16	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8015m

Attn.: Neil Doran

Prep Method: 3510/8015M

## Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: <b>MW-3</b>	Lab Sample ID: <b>2000-07-0088-003</b>
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 16:15	Extracted: 07/10/2000 12:58
Matrix: Water	QC-Batch: 2000/07/10-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	250	ug/L	5.00	07/12/2000 16:56	
Mineral spirits	2300	250	ug/L	5.00	07/12/2000 16:56	
<b>Surrogate(s)</b> o-Terphenyl	87.2	60-130	%	5.00	07/12/2000 16:56	

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Telephone (925) 484-1919 \* Facsimile (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants

Test Method: 8015m

Attn.: Neil Doran

Prep Method: 3510/8015M

## Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: MW-4	Lab Sample ID: 2000-07-0088-004
Project: 6305-001.01 490 43rd Street	Received: 07/10/2000 13:40
Sampled: 07/05/2000 17:00	Extracted: 07/10/2000 12:58
Matrix: Water	QC-Batch: 2000/07/10-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	650	50	ug/L	1.00	07/11/2000 23:35	edr
Mineral spirits	ND	50	ug/L	1.00	07/11/2000 23:35	
<b>Surrogate(s)</b> o-Terphenyl	89.2	60-130	%	1.00	07/11/2000 23:35	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-07-0088

To: ACC Environmental Consultants  
Attn.: Neil Doran

Test Method: 8015m  
Prep Method: 3510/8015M

**Batch QC Report**  
Total Extractable Petroleum Hydrocarbons (TEPH)

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/07/10-04.10</b>
MB: 2000/07/10-04.10-001		Date Extracted: 07/10/2000 12:58

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	07/11/2000 14:45	
Mineral spirits	ND	50	ug/L	07/11/2000 14:45	
<b>Surrogate(s)</b> o-Terphenyl	91.5	60-130	%	07/11/2000 14:45	

To: ACC Environmental Consultants

Test Method: 8015m

Attn: Neil Doran

Prep Method: 3510/8015M

**Batch QC Report**

Total Extractable Petroleum Hydrocarbons (TEPH)

Laboratory Control Spike (LCS/LCSD)		Water		QC Batch # 2000/07/10-04.10	
LCS:	2000/07/10-04.10-002	Extracted:	07/10/2000 12:58	Analyzed	07/11/2000 14:45
LCSD:	2000/07/10-04.10-003	Extracted:	07/10/2000 12:58	Analyzed	07/11/2000 15:20

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	1080	1080	1250	1250	86.4	86.4	0.0	60-130	25		
<b>Surrogate(s)</b>											
o-Terphenyl	20.8	21.3	20.0	20.0	104.0	106.5		60-130			



To: ACC Environmental Consultants

Test Method: 8015m

Attn: Neil Doran

Prep Method: 3510/8015M

## Legend & Notes

Total Extractable Petroleum Hydrocarbons (TEPH)

### Analyte Flags

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

# CHROMALAB, INC.

1220 Quarry Lane • Pleasanton, California 94566-4756

Reference #: 53203

## Chain of Custody

Environmental Services (SD9) (DOHS 1094)

**2000-07-0088**

DATE 7/10/00 PAGE 1 OF 1

PROJ MGR Neil Doran  
 COMPANY ACC Environmental  
 ADDRESS 7977 Capwell Drive  
Oakland CA 94621

### ANALYSIS REPORT

SAMPLERS (SIGNATURE) Neil H Doran (PHONE NO.) 50-538-8400  
 (FAX NO.) -8404

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH (EPA 8015, 8020) <input type="checkbox"/> Gas w/ <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> BTEX	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) <input type="checkbox"/> Diesel <input type="checkbox"/> M.O. <input type="checkbox"/> Other	PURGEABLE HALOCARBONS, (HYOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B + F, E + F)	TEPH - Mineral Spirits <input type="checkbox"/> PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8090)	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	<input type="checkbox"/> Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	<input type="checkbox"/> W.E.T. (STLC) <input type="checkbox"/> TCLP	<input type="checkbox"/> Hexavalent Chromium <input type="checkbox"/> pH (24 hr hold time for H2O)	NUMBER OF CONTAINERS	
MW-1	7/5/00	1440	H <sub>2</sub> O	HCl	X								X									4
MW-2	7/5/00	1520	H <sub>2</sub> O	HCl	X								X									4
MW-3	7/5/00	1615	H <sub>2</sub> O	HCl	X								X									4
MW-4	7/5/00	1700	H <sub>2</sub> O	HCl	X								X									4

PROJECT INFORMATION		SAMPLE RECEIPT			
PROJECT NAME <u>490 43<sup>rd</sup> Street</u>	TOTAL NO. OF CONTAINERS				
PROJECT NUMBER <u>6305-00X.01</u>	HEAD SPACE				
P.O.#	TEMPERATURE				
TAT	STANDARD 5 DAY	24	48	72	OTHER

RELINQUISHED BY 1 <u>Neil H Doran</u> (SIGNATURE) (TIME) <u>Neil H Doran 7/10/00</u> (PRINTED NAME) (DATE) <u>ACC</u> (COMPANY)	RELINQUISHED BY 2	RELINQUISHED BY 3 <u>[Signature]</u> 1330 (SIGNATURE) (TIME) <u>[Signature]</u> 7/10/00 (PRINTED NAME) (DATE) <u>[Signature]</u> (COMPANY)
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SPECIAL INSTRUCTIONS/COMMENTS  
 Report:  Routine  Level 2  Level 3  Level 4  Electronic Report  
 Note: TPHs & mineral spirits present; please take appropriate measures

RECEIVED BY 1 <u>[Signature]</u> 105 (SIGNATURE) (TIME) <u>[Signature]</u> 7/10/00 (PRINTED NAME) (DATE) <u>[Signature]</u> (COMPANY)	RECEIVED BY 2	RECEIVED BY (LABORATORY) 3 <u>[Signature]</u> 1340 (SIGNATURE) (TIME) <u>Chris Roulet 07/10/00</u> (PRINTED NAME) (DATE) <u>Chromalab</u> (LAB)
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