

November 10, 2000

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

#4252

• OKing to consider for down
once stability/receptor survey,
RA & RMP are done.

ENVIRONMENTAL
PROTECTION
00 NOV 14 PM 4: 27

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 October 11, 2000. Based on the August 9, 2000 letter from Mr. Barney Chan of the Alameda County Health Care Services Agency, Department of Environmental Health (ACHCSA), this should be the last scheduled monitoring event prior to final regulatory case closure. ACC is in the process of addressing additional items discussed in the letter.

On your behalf, ACC is forwarding a copy of this report to the 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

GROUNDWATER MONITORING REPORT

**490 43rd Street
Oakland, California**

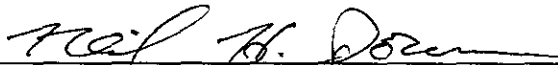
ACC Project No. 96-6305-001.01

Prepared for:

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

November 10, 2000

Prepared by:



Neil H. Doran
Staff Geologist

Reviewed by:



David R. DeMent, RG
Environmental Division Manager

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	1
2.0 BACKGROUND	1
3.0 GROUNDWATER MONITORING AND SAMPLING	2
3.1 Groundwater Monitoring	2
3.2 Groundwater Gradient	4
3.3 Groundwater Sampling	5
4.0 RESULTS OF GROUNDWATER MONITORING	6
5.0 DISCUSSION	8
6.0 CONCLUSIONS	9
7.0 RECOMMENDATIONS	9

TABLES

1 - Groundwater Depth Information.....	3
2 - Groundwater Gradient and Flow Direction.....	5
3 - Groundwater Sample Analytical Results	7

FIGURES

- 1 - Location Map
- 2 - Site Plan
- 3 - Groundwater Gradient Map

APPENDICES

- 1 - Well Monitoring Worksheet
- 2 - Analytical Results and Chain of Custody Record

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.

8 =

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.

ACC met with representatives of the ACHCSA, Wells Fargo Bank, and the Blumert Trust on August 9, 2000, to discuss work required to receive regulatory closure for the site. In his letter of the same date, Mr. Barney Chan of the ACHCSA requested a final monitoring event in conjunction with additional work items to bring the site to closure. This report describes this final groundwater monitoring event.

3.0 GROUNDWATER MONITORING AND SAMPLING

ACC monitored and sampled wells MW-1 through MW-4 on October 11, 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
		10/11/00	11.86	79.16
		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		
10/11/00	12.12	78.43		

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
		10/11/00	12.14	78.76
		12/20/99	12.28	77.80
		03/29/00	11.14	79.02
		07/05/00	13.00	77.16
		10/11/00	13.08	77.08

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 October 11, 2000, is illustrated on Figure 3. Based on groundwater elevation calculations, groundwater flow is toward the south-southwest at an average gradient of 0.038 foot/foot. 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
10/11/00	0.038	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)
MW-1							
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 ⁽¹⁾	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 ⁽⁴⁾	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 ⁽⁴⁾	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
10/11/00	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-2							
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 ⁽¹⁾	61	5.1	28	11	<5 ⁽²⁾
09/03/96	<50	7,400	960	19	130	37	<100 ⁽²⁾
09/03/96 ⁽³⁾	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	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	7,300	850	33	200	22	<25
06/22/99	1,200	7,800	660	<10	140	<10	<100
12/20/99	4,600	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
10/11/00	2,800	1,100	63	2.7	15	2.8	<5.0

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)
MW-3							
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 ⁽¹⁾	65	1.5	9.0	5.1	<5 ⁽²⁾
09/03/96	<50	8,900	460	17	51	77	<25 ⁽²⁾
09/03/96 ⁽³⁾	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 ⁽⁴⁾	4,900	1,700	17	52	20	92
06/19/98	10,000	3,800	470	19	49	21	<25
12/17/98	240 ⁽⁴⁾	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 ⁽⁴⁾	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
10/11/00	2,000	4,100	230	<10	37	18	<100
MW-4							
06/22/99	1,900	3,200	410	<2.5	54	12	90
12/20/99	2,000 ⁽⁴⁾	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
10/11/00	860	3,200	190	11	14	13	<25

Notes: All water results are reported in µg/L, approximately equal to ppb

< = Not detected at laboratory reporting limit indicated

-- = Analysis not performed

⁽¹⁾ Value revised by Chromalab from May 1996, submission 9605835

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

⁽³⁾ Duplicate sample analysis by Sequoia Analytical

⁽⁴⁾ 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 0.038 foot/foot to the south-southwest in October 2000. These values are consistent with previous sampling events.

Analytical results from the October 2000 sampling event indicate that concentrations of TPHg, BTEX and mineral spirits were not detected in well MW-1. Concentrations of mineral spirits decreased in wells MW-2 and MW-3, and increased to above the laboratory detection limit in downgradient well MW-4. Concentrations of TPHg decreased in well MW-2, and increased in

wells MW-3 and MW-4. The highest reported concentration of TPHg was 4,100 ppb in the sample from MW-3, and the highest concentration of benzene was 230 ppb in the same sample. Generally, BTEX concentrations are showing preferential decreases that can be attributed to natural attenuation processes. MTBE was not reported above laboratory detection limits in any of the samples.

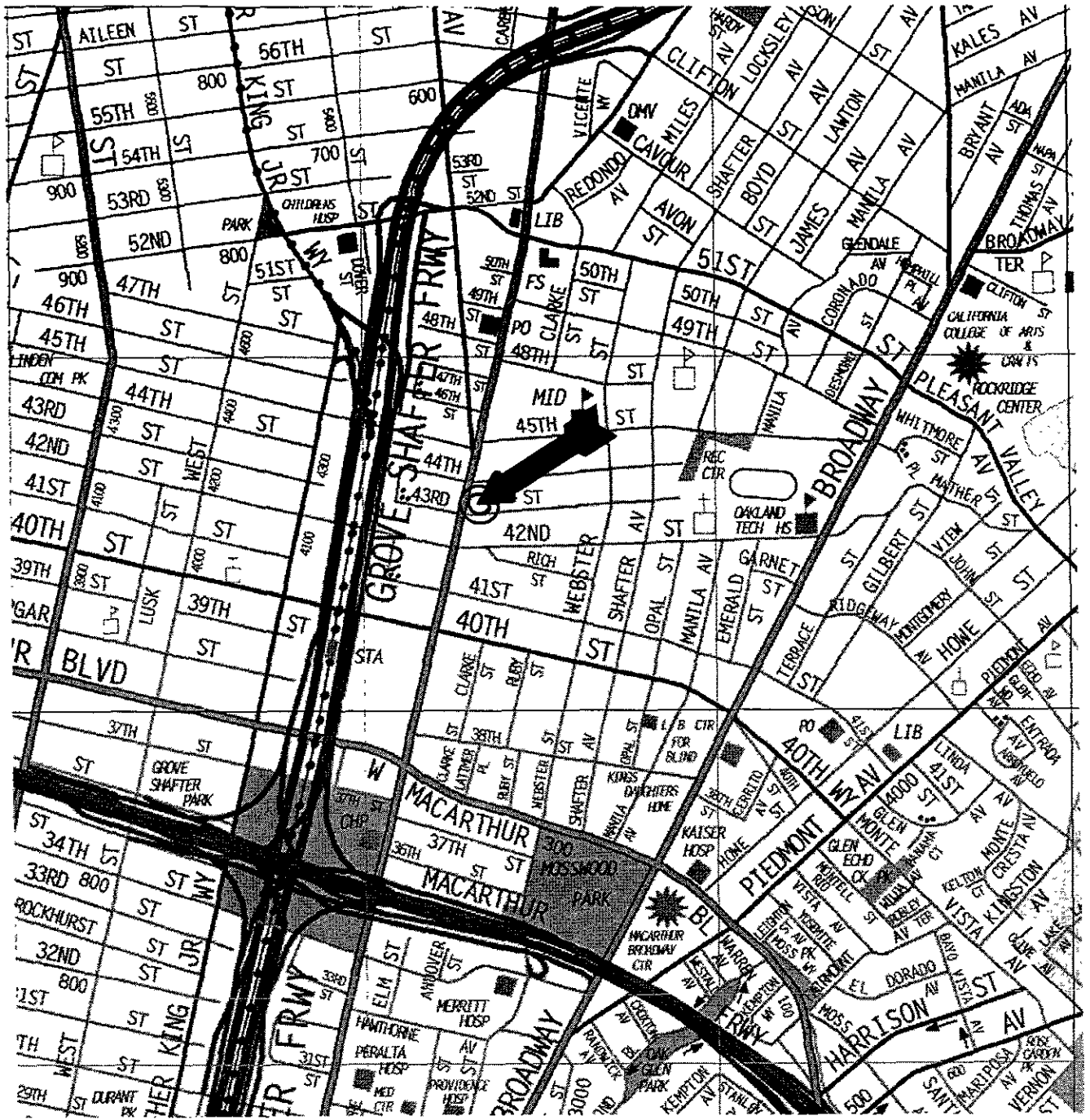
6.0 CONCLUSIONS

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; and
- 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 of constituents of concern continue to demonstrate an overall decreasing trend.

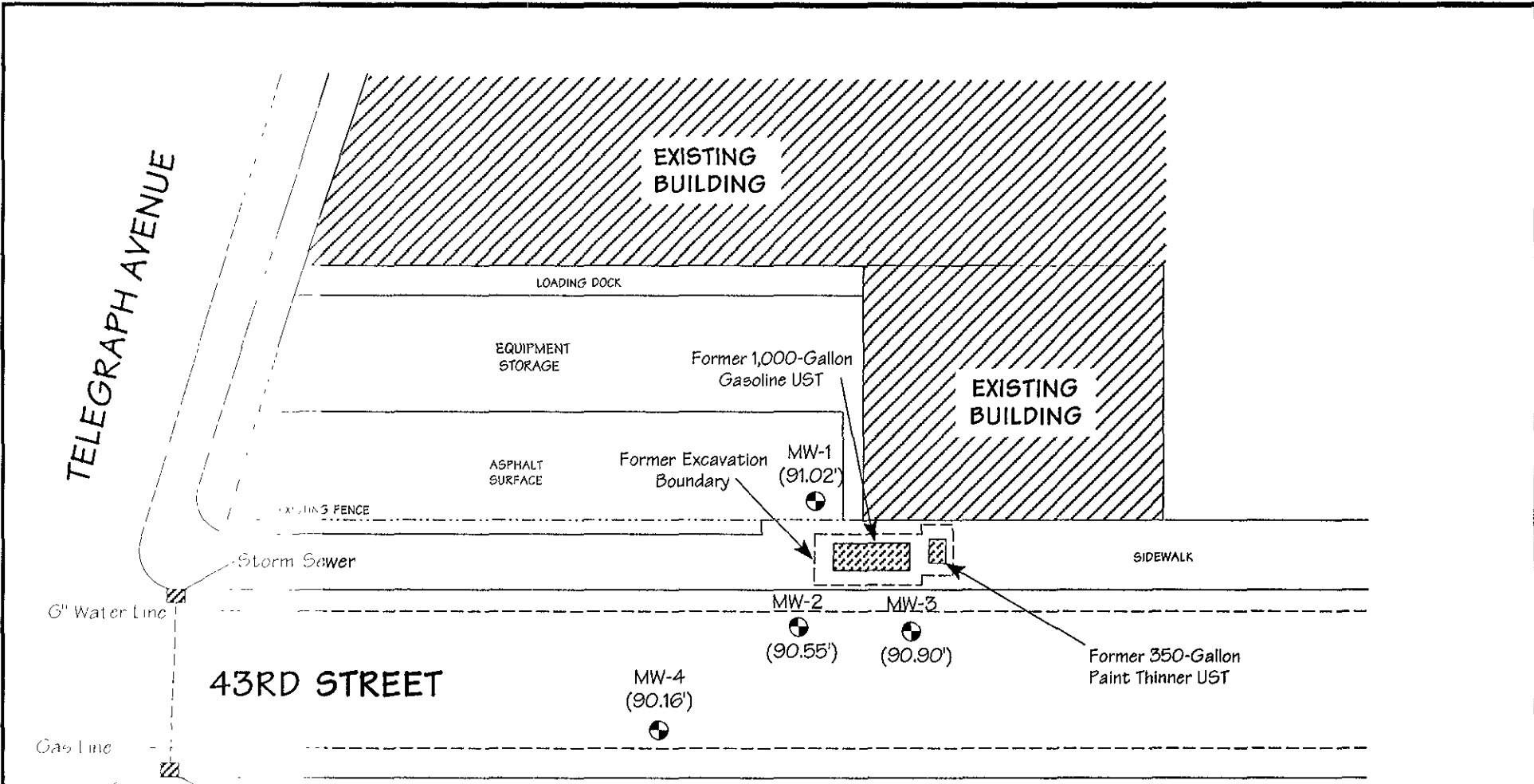
7.0 RECOMMENDATIONS

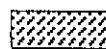
Based on the results of the August 9, 2000 meeting with the ACHCSA, ACC is instituting actions to bring the subject site to regulatory closure. These items include completing a well survey and a sensitive receptor survey, performing a risk assessment, and drafting a risk management plan. These documents will be provided to Mr. Barney Chan of the ACHCSA upon completion. ACC anticipates completing these work items by December 15, 2000.




SOURCE Thomas G. as CD RCN, 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
A.C.C ENVIRONMENTAL CONSULTANTS 7111 Lakes Drive Concord, California 94627 Tel: (925) 331-1111 Fax: (925) 331-1112	
Date 04/07/00	

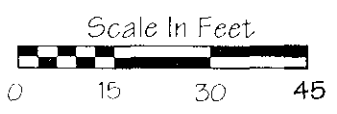


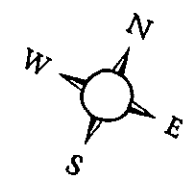
 Former 1,000-Gallon Gasoline UST (489 43rd Street)

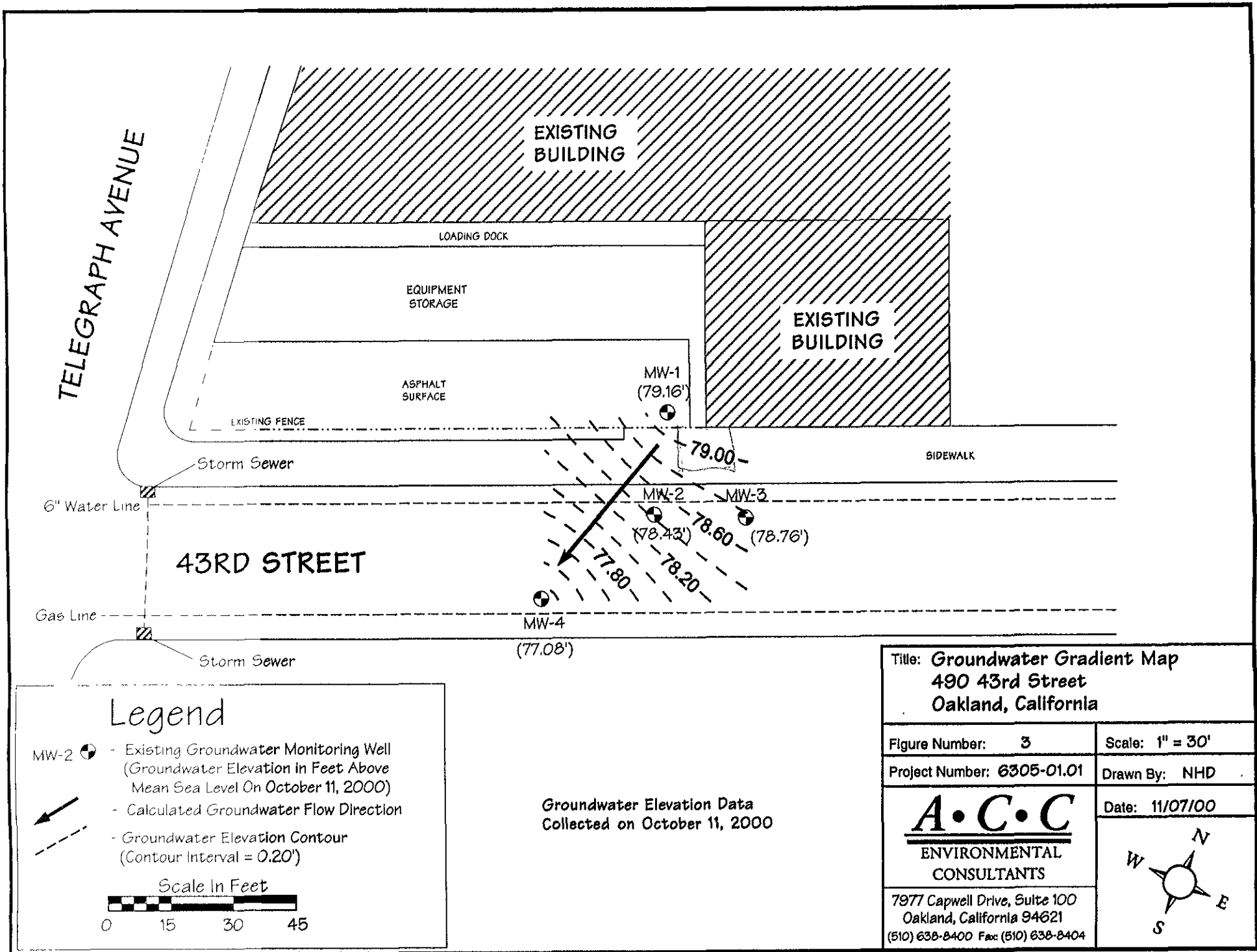
Legend

MW-2  Existing Groundwater Monitoring Well (TYC Casing Elevation, in Feet Above MSL)

 Former Underground Storage Tank



Title: Site Plan 490 43rd Street Oakland, California	
Figure Number: 2	Scale: 1" = 30'
Project Number: 6305-01.01	Drawn By: NHD
A.C.C ENVIRONMENTAL CONSULTANTS	Date: 04/14/00
	
7977 Capwell Drive, Suite 100 Oakland, California 94621 (510) 638-8400 Fax: (510) 638-8404	



OB NAME: Blumert Paint Co.	PURGE METHOD: Manual Bailing
SITE ADDRESS: 490 43 rd Street, Oakland	SAMPLED BY: Neil Doran
OB #: 6305-001.01	LABORATORY: Chromalab
DATE: 10/11/00	ANALYSIS: g/btex, TEPH
Waste Drum Inventory SOIL:	MONITORING <input checked="" type="checkbox"/> DEVELOPING <input type="checkbox"/>
EMPTY: WATER: 1-211, 1-70%	SAMPLING <input checked="" type="checkbox"/>

	PURGE VOL	PURGE WATER READINGS						OBSERVATIONS	
	(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	<input type="checkbox"/>	
WELL: MW-1								<input type="checkbox"/>	Froth
DEPTH OF BORING: 22.38'	1.8	5.81	19.4	0.380	0.01	185	1.65	<input type="checkbox"/>	Sheen
DEPTH TO WATER: 11.86'	3.6	5.89	19.4	0.365	0.01	410	1.75	<input type="checkbox"/>	Odor Type _____
WATER COLUMN: 10.52'	5.4	6.18	19.0	0.367	0.01	380	2.15	<input type="checkbox"/>	Free Product
WELL DIAMETER: 2"	7.2	6.16	19.1	0.370	0.01	560	2.26	<input type="checkbox"/>	Amount _____ Type _____
WELL VOLUME: 1.8 gal								<input type="checkbox"/>	Other
COMMENTS:									
WELL: MW-2								<input type="checkbox"/>	Froth
DEPTH OF BORING: 21.14'	1.5	6.32	19.9	0.520	0.02	110	1.25	<input checked="" type="checkbox"/>	Sheen
DEPTH TO WATER: 12.12'	3.0	6.29	20.1	0.546	0.02	197	0.85	<input checked="" type="checkbox"/>	Odor Type <u>gas</u>
WATER COLUMN: 9.02'	4.5	6.55	19.6	0.545	0.02	345	1.30	<input type="checkbox"/>	Free Product
WELL DIAMETER: 2"	6.0	6.53	19.7	0.551	0.02	895	0.86	<input type="checkbox"/>	Amount _____ Type _____
WELL VOLUME: 1.5 gal								<input type="checkbox"/>	Other
COMMENTS:									
WELL: MW-3								<input type="checkbox"/>	Froth
DEPTH OF BORING: 21.54'	1.6	6.64	19.9	0.615	0.02	145	1.30	<input checked="" type="checkbox"/>	Sheen
DEPTH TO WATER: 12.14'	3.2	6.50	20.1	0.615	0.02	310	1.00	<input checked="" type="checkbox"/>	Odor Type <u>gas</u>
WATER COLUMN: 9.40'	4.8	6.58	19.8	0.601	0.02	409	1.30	<input type="checkbox"/>	Free Product
WELL DIAMETER: 2"	6.4	6.49	20.0	0.613	0.02	550	1.00	<input type="checkbox"/>	Amount _____ Type _____
WELL VOLUME: 1.6 gal								<input type="checkbox"/>	Other
COMMENTS:									

JOB NAME: Blumert Paint Co.	PURGE METHOD: Manual Bailing
SITE ADDRESS: 490 43rd Street, Oakland	SAMPLED BY: Neil Doran
JOB #: 6305-001.01	LABORATORY: Chroma Lab
DATE: 10/1/00	ANALYSIS: g/brex, TEPH
Onsite Drum Inventory SOIL:	MONITORING <input checked="" type="checkbox"/> DEVELOPING <input type="checkbox"/>
EMPTY: WATER: 1- Full, 1- 70%	SAMPLING <input checked="" type="checkbox"/>

	PURGE VOL	PURGE WATER READINGS						OBSERVATIONS	
	(Gal)	pH	Temp.(C)	Cond.	Sal.	Turb.	D.O.	<input type="checkbox"/>	
WELL: MW-4								<input type="checkbox"/>	Froth
DEPTH OF BORING: 19.92'	1.1	6.67	19.5	0.02	355	0.02	1.40	<input type="checkbox"/>	Sheen
DEPTH TO WATER: 13.08'	2.2	6.56	19.6	0.03	586	0.03	1.35	<input type="checkbox"/>	Odor Type _____
WATER COLUMN: 6.84'	3.3	6.67	19.5	0.03	511	0.03	1.25	<input type="checkbox"/>	Free Product
WELL DIAMETER: 2"	4.4	6.51	19.5	0.03	523	0.03	1.25	<input type="checkbox"/>	Amount _____ Type _____
WELL VOLUME:								<input type="checkbox"/>	Other
COMMENTS: 1.1 gal									
WELL:	(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:								<input type="checkbox"/>	Amount _____ Type _____
WELL VOLUME:								<input type="checkbox"/>	Other
COMMENTS:									
WELL:	(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:								<input type="checkbox"/>	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 Friday October 13, 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 November 27, 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

Sincerely,



Vincent Vancil

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

Gas/BTEX and MTBE

ACC Environmental Consultants

✉ 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	10/11/2000 09:00	1
MW-2	Water	10/11/2000 09:30	2
MW-3	Water	10/11/2000 10:00	3
MW-4	Water	10/11/2000 10:30	4

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone (925) 484-1919 * Facsimile (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-1	Lab Sample ID: 2000-10-0287-001
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 09:00	Extracted: 10/16/2000 22:58
Matrix: Water	QC-Batch: 2000/10/16-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/16/2000 22:58	
Benzene	ND	0.50	ug/L	1.00	10/16/2000 22:58	
Toluene	ND	0.50	ug/L	1.00	10/16/2000 22:58	
Ethyl benzene	ND	0.50	ug/L	1.00	10/16/2000 22:58	
Xylene(s)	ND	0.50	ug/L	1.00	10/16/2000 22:58	
MTBE	ND	5.0	ug/L	1.00	10/16/2000 22:58	
Surrogate(s)						
Trifluorotoluene	69.1	58-124	%	1.00	10/16/2000 22:58	
4-Bromofluorobenzene-FID	71.4	50-150	%	1.00	10/16/2000 22:58	

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-2	Lab Sample ID: 2000-10-0287-002
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 09:30	Extracted: 10/19/2000 12:37
Matrix: Water	QC-Batch: 2000/10/19-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1100	50	ug/L	1.00	10/19/2000 12:37	g
Benzene	63	0.50	ug/L	1.00	10/19/2000 12:37	
Toluene	2.7	0.50	ug/L	1.00	10/19/2000 12:37	
Ethyl benzene	15	0.50	ug/L	1.00	10/19/2000 12:37	
Xylene(s)	2.8	0.50	ug/L	1.00	10/19/2000 12:37	
MTBE	ND	5.0	ug/L	1.00	10/19/2000 12:37	
Surrogate(s)						
Trifluorotoluene	95.0	58-124	%	1.00	10/19/2000 12:37	
4-Bromofluorobenzene-FID	96.3	50-150	%	1.00	10/19/2000 12:37	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-3	Lab Sample ID: 2000-10-0287-003
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 10:00	Extracted: 10/17/2000 11:28
Matrix: Water	QC-Batch: 2000/10/17-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	4100	1000	ug/L	20.00	10/17/2000 11:28	g
Benzene	230	10	ug/L	20.00	10/17/2000 11:28	
Toluene	ND	10	ug/L	20.00	10/17/2000 11:28	
Ethyl benzene	37	10	ug/L	20.00	10/17/2000 11:28	
Xylene(s)	18	10	ug/L	20.00	10/17/2000 11:28	
MTBE	ND	100	ug/L	20.00	10/17/2000 11:28	
<i>Surrogate(s)</i>						
Trifluorotoluene	86.0	58-124	%	1.00	10/17/2000 11:28	
4-Bromofluorobenzene-FID	81.7	50-150	%	1.00	10/17/2000 11:28	

1220 Quarry Lane * Pleasanton CA 94566-4756
Telephone (925) 484-1919 * Facsimile (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn.: Neil Doran

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID: MW-4	Lab Sample ID: 2000-10-0287-004
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 10:30	Extracted: 10/17/2000 00:31
Matrix: Water	QC-Batch: 2000/10/16-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	3200	250	ug/L	5.00	10/17/2000 00:31	g
Benzene	190	2.5	ug/L	5.00	10/17/2000 00:31	
Toluene	11	2.5	ug/L	5.00	10/17/2000 00:31	
Ethyl benzene	14	2.5	ug/L	5.00	10/17/2000 00:31	
Xylene(s)	13	2.5	ug/L	5.00	10/17/2000 00:31	
MTBE	ND	25	ug/L	5.00	10/17/2000 00:31	
Surrogate(s)						
Trifluorotoluene	73.3	58-124	%	1.00	10/17/2000 00:31	
4-Bromofluorobenzene-FID	78.9	50-150	%	1.00	10/17/2000 00:31	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn.: Neil Doran

Prep Method: 5030

Batch QC Report Gas/BTEX and MTBE

Method Blank	Water	QC Batch # 2000/10/16-01.02
MB: 2000/10/16-01.02-001		Date Extracted: 10/16/2000 06:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	10/16/2000 06:30	
Benzene	ND	0.5	ug/L	10/16/2000 06:30	
Toluene	ND	0.5	ug/L	10/16/2000 06:30	
Ethyl benzene	ND	0.5	ug/L	10/16/2000 06:30	
Xylene(s)	ND	0.5	ug/L	10/16/2000 06:30	
MTBE	ND	5.0	ug/L	10/16/2000 06:30	
Surrogate(s)					
Trifluorotoluene	90.8	58-124	%	10/16/2000 06:30	
4-Bromofluorobenzene-FID	78.6	50-150	%	10/16/2000 06:30	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M

8020

Attn.: Neil Doran

Prep Method: 5030

Batch QC Report
Gas/BTEX and MTBE

Method Blank	Water	QC Batch # 2000/10/17-01.02
MB: 2000/10/17-01.02-001		Date Extracted: 10/17/2000 06:35

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	10/17/2000 06:35	
Benzene	ND	0.5	ug/L	10/17/2000 06:35	
Toluene	ND	0.5	ug/L	10/17/2000 06:35	
Ethyl benzene	ND	0.5	ug/L	10/17/2000 06:35	
Xylene(s)	ND	0.5	ug/L	10/17/2000 06:35	
MTBE	ND	5.0	ug/L	10/17/2000 06:35	
Surrogate(s)					
Trifluorotoluene	82.0	58-124	%	10/17/2000 06:35	
4-Bromofluorobenzene-FID	77.4	50-150	%	10/17/2000 06:35	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M

8020

Attn.: Neil Doran

Prep Method: 5030

Batch QC Report Gas/BTEX and MTBE

Method Blank	Water	QC Batch # 2000/10/19-01.02
MB: 2000/10/19-01.02-001		Date Extracted: 10/19/2000 06:49

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	10/19/2000 06:49	
Benzene	ND	0.5	ug/L	10/19/2000 06:49	
Toluene	ND	0.5	ug/L	10/19/2000 06:49	
Ethyl benzene	ND	0.5	ug/L	10/19/2000 06:49	
Xylene(s)	ND	0.5	ug/L	10/19/2000 06:49	
MTBE	ND	5.0	ug/L	10/19/2000 06:49	
Surrogate(s)					
Trifluorotoluene	73.8	58-124	%	10/19/2000 06:49	
4-Bromofluorobenzene-FID	79.0	50-150	%	10/19/2000 06:49	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn: Neil Doran

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/10/16-01.02
LCS: 2000/10/16-01.02-002	Extracted: 10/16/2000 07:01	Analyzed 10/16/2000 07:01
LCSD: 2000/10/16-01.02-003	Extracted: 10/16/2000 07:32	Analyzed 10/16/2000 07:32

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	499	501	500	500	99.8	100.2	0.4	75-125	20		
Benzene	104	100	100.0	100.0	104.0	100.0	3.9	77-123	20		
Toluene	102	97.5	100.0	100.0	102.0	97.5	4.5	78-122	20		
Ethyl benzene	98.2	95.1	100.0	100.0	98.2	95.1	3.2	70-130	20		
Xylene(s)	278	270	300	300	92.7	90.0	3.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	463	430	500	500	92.6	86.0		58-124			
4-Bromofluorobenzene-FI	466	458	500	500	93.2	91.6		50-150			

1220 Quarry Lane * Pleasanton, CA 94566-4756

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn: Neil Doran

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)

Water

QC Batch # 2000/10/17-01.02

LCS: 2000/10/17-01.02-002

Extracted: 10/17/2000 07:06

Analyzed 10/17/2000 07:06

LCSD: 2000/10/17-01.02-003

Extracted: 10/17/2000 07:37

Analyzed 10/17/2000 07:37

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	491	409	500	500	98.2	81.8	18.2	75-125	20		
Benzene	103	99.7	100.0	100.0	103.0	99.7	3.3	77-123	20		
Toluene	99.9	96.7	100.0	100.0	99.9	96.7	3.3	78-122	20		
Ethyl benzene	96.1	94.0	100.0	100.0	96.1	94.0	2.2	70-130	20		
Xylene(s)	273	268	300	300	91.0	89.3	1.9	75-125	20		
Surrogate(s)											
Trifluorotoluene	447	424	500	500	89.4	84.8		58-124			
4-Bromofluorobenzene-FI	447	397	500	500	89.4	79.4		50-150			

1220 Quarry Lane * Pleasanton, CA 94566-4756

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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn: Neil Doran

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD)		Water		QC Batch # 2000/10/19-01.02	
LCS:	2000/10/19-01.02-002	Extracted:	10/19/2000 07:20	Analyzed	10/19/2000 07:20
LCSD:	2000/10/19-01.02-003	Extracted:	10/19/2000 17:51	Analyzed	10/19/2000 17:51

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	473	472	500	500	94.6	94.4	0.2	75-125	20				
Benzene	94.8	91.5	100.0	100.0	94.8	91.5	3.5	77-123	20				
Toluene	91.5	91.0	100.0	100.0	91.5	91.0	0.5	78-122	20				
Ethyl benzene	88.6	89.3	100.0	100.0	88.6	89.3	0.8	70-130	20				
Xylene(s)	253	256	300	300	84.3	85.3	1.2	75-125	20				
Surrogate(s)													
Trifluorotoluene	396	375	500	500	79.2	75.0		58-124					
4-Bromofluorobenzene-FI	434	450	500	500	86.8	90.0		50-150					

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone (925) 484-1919 * Facsimile (925) 484-1096

To: ACC Environmental Consultants

Test Method: 8015M
8020

Attn: Neil Doran

Prep Method: 5030

Legend & Notes

Gas/BTEX and MTBE

Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Total Extractable Petroleum Hydrocarbons (TEPH)

ACC Environmental Consultants	✉ 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	10/11/2000 09:00	1
MW-2	Water	10/11/2000 09:30	2
MW-3	Water	10/11/2000 10:00	3
MW-4	Water	10/11/2000 10:30	4

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Neil Doran

Prep Method: 3510/8015M

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: MW-1	Lab Sample ID: 2000-10-0287-001
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 09:00	Extracted: 10/18/2000 14:00
Matrix: Water	QC-Batch: 2000/10/18-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mineral spirits	ND	50	ug/L	1.00	10/21/2000 15:16	
Surrogate(s) o-Terphenyl	119.1	60-130	%	1.00	10/21/2000 15:16	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Neil Doran

Prep Method: 3510/8015M

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: MW-2	Lab Sample ID: 2000-10-0287-002
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 09:30	Extracted: 10/18/2000 14:00
Matrix: Water	QC-Batch: 2000/10/18-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mineral spirits	2800	50	ug/L	1.00	10/21/2000 15:54	
<i>Surrogate(s)</i> o-Terphenyl	76.0	60-130	%	1.00	10/21/2000 15:54	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Neil Doran

Prep Method: 3510/8015M

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: MW-3	Lab Sample ID: 2000-10-0287-003
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 10:00	Extracted: 10/18/2000 14:00
Matrix: Water	QC-Batch: 2000/10/18-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mineral spirits	2000	50	ug/L	1.00	10/21/2000 16:33	
Surrogate(s) o-Terphenyl	109.0	60-130	%	1.00	10/21/2000 16:33	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

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: 2000-10-0287-004
Project: 6305-001.01 490 43rd Street	Received: 10/13/2000 18:32
Sampled: 10/11/2000 10:30	Extracted: 10/18/2000 14:00
Matrix: Water	QC-Batch: 2000/10/18-04.10
Sample/Analysis Flag ,nmsp (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mineral spirits	860	50	ug/L	1.00	10/21/2000 17:11	,nmsp
<i>Surrogate(s)</i> o-Terphenyl	116.7	60-130	%	1.00	10/21/2000 17:11	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

To: ACC Environmental Consultants

Test Method: 8015M

Attn.: Neil Doran

Prep Method: 3510/8015M

Batch QC Report

Total Extractable Petroleum Hydrocarbons (TEPH)

Method Blank	Water	QC Batch # 2000/10/18-04.10
MB: 2000/10/18-04.10-001		Date Extracted: 10/18/2000 14:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	10/21/2000 01:59	
Mineral spirits	ND	50	ug/L	10/21/2000 01:59	
Surrogate(s) o-Terphenyl	128.5	60-130	%	10/21/2000 01:59	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0287

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 # 2000/10/18-04.10
LCS: 2000/10/18-04.10-002	Extracted: 10/18/2000 14:00	Analyzed 10/21/2000 02:43
LCSD: 2000/10/18-04.10-003	Extracted: 10/18/2000 14:00	Analyzed 10/21/2000 03:27

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	1090	1080	1250	1250	87.2	86.4	0.9	60-130	25		
Surrogate(s) o-Terphenyl	24.6	24.4	20.0	20.0	123.0	122.0		60-130			

To: ACC Environmental Consultants
Attn: Neil Doran

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

Legend & Notes

Total Extractable Petroleum Hydrocarbons (TEPH)

Analysis Notes

MW-4 (Lab# 2000-10-0287-004)

nmsp=hydrocarbons reported are in this range and they do not have a pattern characteristic of mineral spirits.

CHROMALAB, INC.

1220 Quarry Lane • Pleasanton, California 94566-4756

Reference #: 35125

Chain of Custody

Environmental Services (SDB) (DOHS 1094)

2000-10-0287

DATE 10/13/00 PAGE 1 OF 1

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

SAMPLERS (SIGNATURE) Neil Doran (PHONE NO.) 510.638.8400
 (FAX NO.) 8409

ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-IEPA 8015, 8020 <input checked="" type="checkbox"/> Gas w/ <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> XIMBE	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, (EPOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B + F, E + F)	TEPH - Minerals SPIRITS	<input type="checkbox"/> PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080)	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	10/11/00	0900	420	HA/100	X								X										W
MW-2	↓	0930	↓	↓	X								X										W
MW-3	↓	1000	↓	↓	X								X										W
MW-4	↓	1030	↓	↓	X								X										W

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NAME: <u>490 43rd Street</u>	TOTAL NO. OF CONTAINERS		
PROJECT NUMBER: <u>6305-001.01</u>	HEAD SPACE		
P.O. #	TEMPERATURE		
TAT	CONFORMS TO RECORD		
STANDARD 5-DAY	24	48	72
	OTHER		

SPECIAL INSTRUCTIONS/COMMENTS:
 Report: Routine Level 2 Level 3 Level 4 Electronic Report
 3.3°C

RELINQUISHED BY 1	RELINQUISHED BY 2	RELINQUISHED BY 3
<u>Neil Doran</u> (SIGNATURE) (TIME)		<u>[Signature]</u> 1832 (SIGNATURE) (TIME)
<u>Neil Doran</u> (PRINTED NAME) (DATE)		<u>B. Morrison 10/13/00</u> (PRINTED NAME) (DATE)
<u>ACC</u> (COMPANY)		<u>Chromalab</u> (COMPANY)
RECEIVED BY 1	RECEIVED BY 2	RECEIVED BY (LABORATORY) 3
<u>[Signature]</u> 1731 (SIGNATURE) (TIME)		<u>D. Harrington</u> (SIGNATURE) (TIME)
<u>B. Morrison 10/13/00</u> (PRINTED NAME) (DATE)		<u>D. Harrington 1832</u> (PRINTED NAME) (DATE)
<u>Chromalab</u> (COMPANY)		<u>Chromalab 10/13/00</u> (LAB)