

ALCO  
HAZNAT

94 JUL 19 PM 3:42

QUARTERLY MONITORING REPORT

Bo K. Gin  
706 Harrison Street  
Oakland, CA

May 94

PREPARED FOR:

Bo K. Gin  
OAKLAND AUTO PARTS & TIRES  
288 11th Street  
Oakland, CA 94706

PREPARED BY:

*Eva Vanek for*  
John H. Sammons, Ph.D.

*Eva Vanek*  
Eva Vanek, R.E.A.

*Mark O. Wieggers*  
Mark O. Wieggers, C.E.G. 1506

Dennis Bates Associates, Inc.  
1020 Railroad Avenue, Suite E  
Novato, CA 94945

DBA Project #93026.00

May, 1994

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## **1. INTRODUCTION**

This report summarizes the methods and results of sampling conducted in April, 1994 at Oakland Auto Parts located at 706 Harrison Street in Oakland, California (Figure 1).

The site was operated by Mr. Gin as a service station with two pump islands from 1963 to 1985 when retail operations ceased. The site contained two 6000-gallon underground storage tanks (USTs), four 1000-gallon USTs which were used to store various gasolines and one small waste oil tank (See Figure 2). All USTs were removed in January, 1991 and overexcavation of the main tank area was performed. In July, 1993, three groundwater monitoring wells and two vapor extraction wells were installed (See Figure 2). Groundwater monitoring was initiated at this site in August, 1993.

## **2. GROUNDWATER LEVEL ELEVATIONS AND FLOW DIRECTION**

Groundwater levels were measured in wells MW1, MW2, and MW3 prior to sampling on April 15, 1994. Water level depths were converted to elevations by subtracting the depth of water from top of casing elevations. Water level measurements for April, 1994, along with previous measurements made at these wells, are included in Table 1. Water level measurements made in April, 1994 indicate that the groundwater flow direction is to the southwest, which is consistent with previous groundwater elevation measurements made for this site (See Figure 3).

## **3. GROUNDWATER SAMPLING**

### ***3.1 Sampling and Analytical Methods***

Groundwater samples were collected from wells MW1, MW2, and MW3 on April 15, 1994. Prior to sampling, each of the wells was purged of approximately four casing volumes using a dedicated submersible pump. Sampling data sheets are included in Appendix A.

Groundwater samples from each well were collected using the dedicated submersible pumps and pouring directly into the sample containers. Volatile organics (TPHG/BTEX) were collected in 40-milliliter vials. Sample containers were placed in a cooler with blue ice for shipment to the analytical laboratory. Groundwater samples were submitted for total petroleum hydrocarbons (TPH) as gasoline and diesel (EPA Method 8015M), and benzene, toluene, ethylbenzene and xylenes (BTEX; EPA Method 8020M).

### **3.2 Analytical Results**

A summary of sample results for April, 1994, in addition to previous sampling periods, are included in Table 2 and copies of original laboratory data are included in Appendix B. In April, 1994, TPH as gasoline and BTEX were present in MW1 and MW2, but were not present above laboratory detection limits in MW3. In MW1, TPH as gasoline was detected at 9,500 parts per billion (ppb). BTEX constituents were detected at 3,600 ppb, 530 ppb, 160 ppb and 280 ppb, respectively. In MW2, TPH as gasoline was detected at 230,000 ppb and BTEX constituents were detected at 2,500 ppb, 4,200 ppb, 470 ppb, and 1,800 ppb, respectively.

## **4. VAPOR EXTRACTION TESTING**

Just following the monitoring program, a vapor extraction feasibility test (VEFT) was performed by Remedial Testing and Design (RTD) at vapor extraction wells VW-1 and VW-2 (See Figure 2). The purpose of this test was to design a vapor extraction system to remediate residual hydrocarbons in soil and groundwater. At that time, several inches of floating product was observed at both extraction wells. These activities and findings will be more fully described in a report to be prepared by RTD.

## **5. DISCUSSION**

Comparison of water level measurements indicate a consistent flow direction toward the south/southwest. ✓

Comparison of chemical concentrations measured in MW1 in April, 1994 with previous sampling periods indicate that petroleum hydrocarbon concentrations in this well are consistently decreasing over time. Petroleum hydrocarbons have been consistently ND in well MW3. ✓

TPH in MW2 decreased between August and December, 1993, but increased in April, 1994. Well MW2 is located upgradient of the "main tank" area and downgradient of the 6,000-gallon tank area. MW2 is not expected to contain high hydrocarbon concentrations since chemical analysis of soils during tank removal indicated that high levels of petroleum hydrocarbons were not present in surrounding soil.

To investigate other potential sources of petroleum hydrocarbons, a review of information available for an upgradient facility (the Unocal service station located approximately 200 feet north of the 706 Harrison site at the corner of 8th and Harrison Streets) was conducted. These data indicate that petroleum hydrocarbons in several wells, particularly MW3, contained high hydrocarbon concentrations at least since June, 1990 (up to 2,100 µg/l in December, 1991). These data suggest that a slug of petroleum hydrocarbons may have flowed past 8th Street toward the 706 Harrison site. Therefore, the continuing, and recently rising concentrations of petroleum constituents in well MW2 may have resulted from downgradient migration of

except DG Unocal's  
MWs are  
ND or low.

petroleum hydrocarbons in groundwater. Further site investigation, described in Section 6 may resolve this possibility.

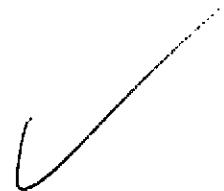
## 6. RECOMMENDATIONS

DBA recommends that a product recovery system be installed in the two existing extraction wells. The product recovery system recommended is the Soak-ease oil absorbent kit which requires monitoring and replacement on a daily to weekly basis.

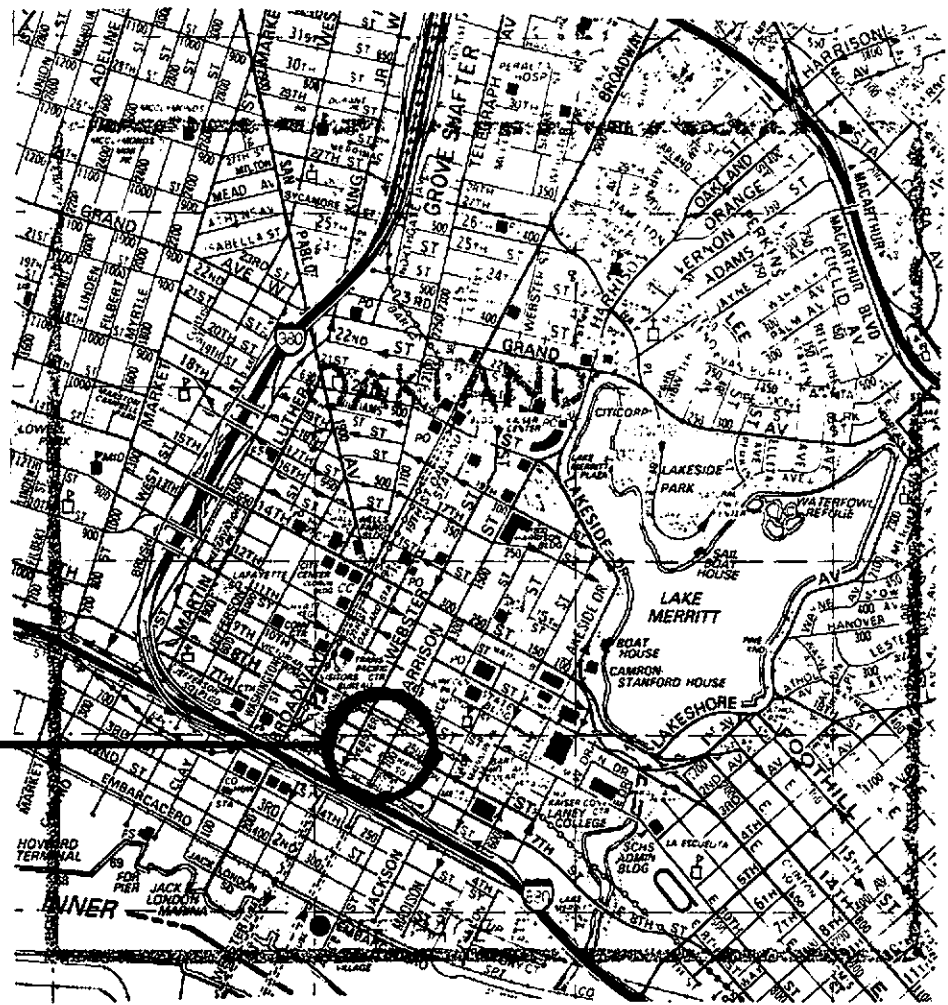
To investigate the potential for residual petroleum hydrocarbons in the "main tank" area and in the 6,000-gallon tank area, DBA recommends that borings be drilled through both areas and sampled in underlying natural materials. We recommend that one boring be drilled along the east side of the previous 6,000-gallon tank, where previous sampling data suggest that residual petroleum hydrocarbons may be present, and four borings be drilled within the "main tank" area. The locations of the proposed borings is shown on Figure 4.

Based on findings of the VEFT, DBA recommends that three of the borings to be drilled in the "main tank" area should be converted to vapor extraction wells. The wells should be constructed similarly to the existing monitoring wells so that they may be used both for vapor extraction and sparging of groundwater.

To investigate the potential for migration of petroleum hydrocarbons on to the 706 Harrison site from upgradient facilities, DBA recommends that a monitoring well be constructed along the northern boundary of the site (See Figure 4).



SITE



TITLE: SITE LOCATION  
SITE OAKLAND AUTO PARTS  
ADDRESS: 706 HARRISON STREET, OAKLAND, CA.

SCALE: 1" = 2200'  
PROJECT # 93026.00  
DATE: MAY 13, 1994

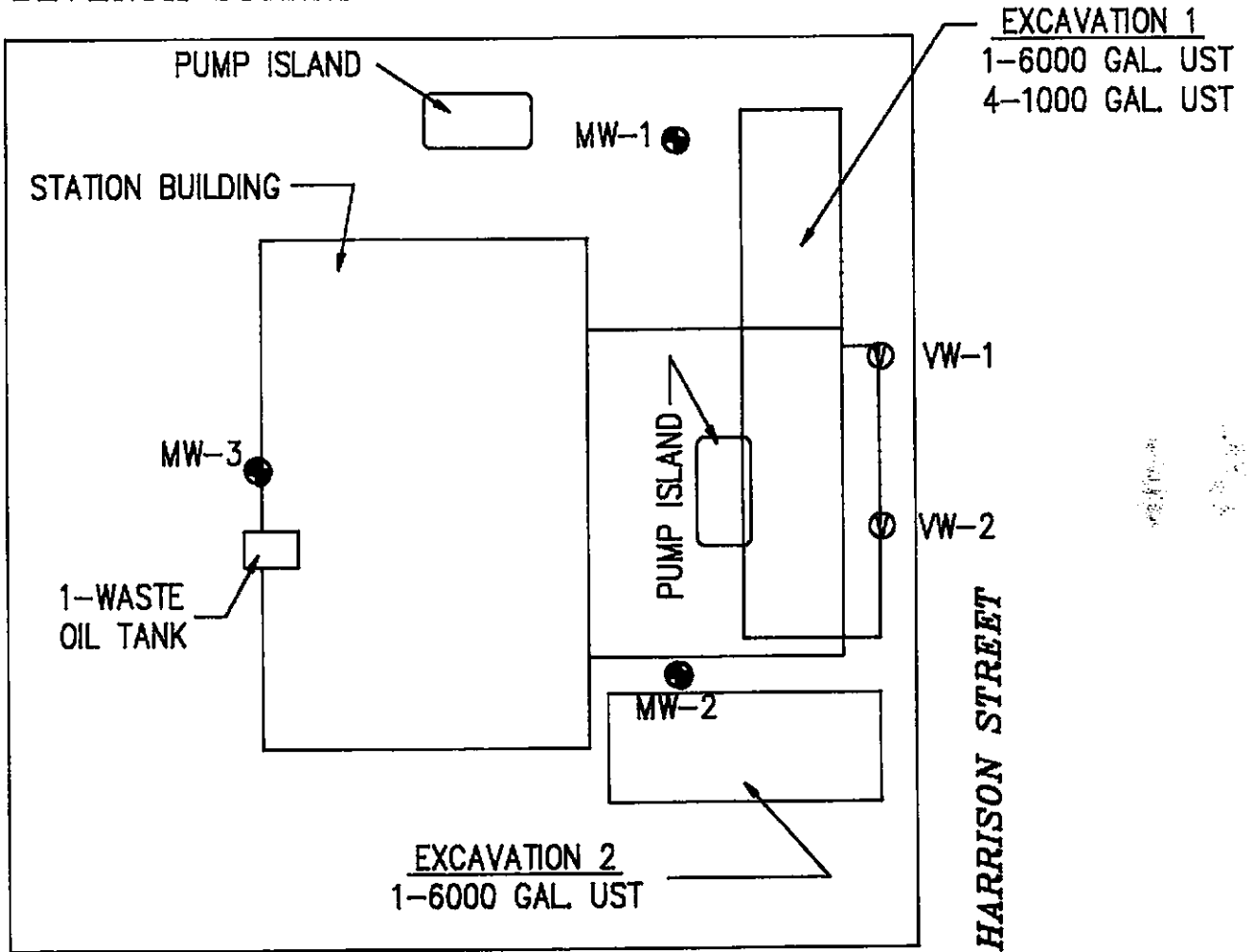
DENNIS BATES ASSOCIATES, INC.

494 Alvarado Street, Suite B Monterey, CA. 93940  
1020 RAILROAD AVE. SUITE E, NOVATO, CA. 94945

FIGURE:

1

SEVENTH STREET



EXCAVATION 1  
1-6000 GAL. UST  
4-1000 GAL. UST

HARRISON STREET

EXCAVATION 2  
1-6000 GAL. UST



TITLE: SITE PLAN SHOWING EXCAVATIONS & MONITORING WELL LOCATIONS  
SITE OAKLAND AUTO PARTS  
ADDRESS: 706 HARRISON STREET, OAKLAND, CA.

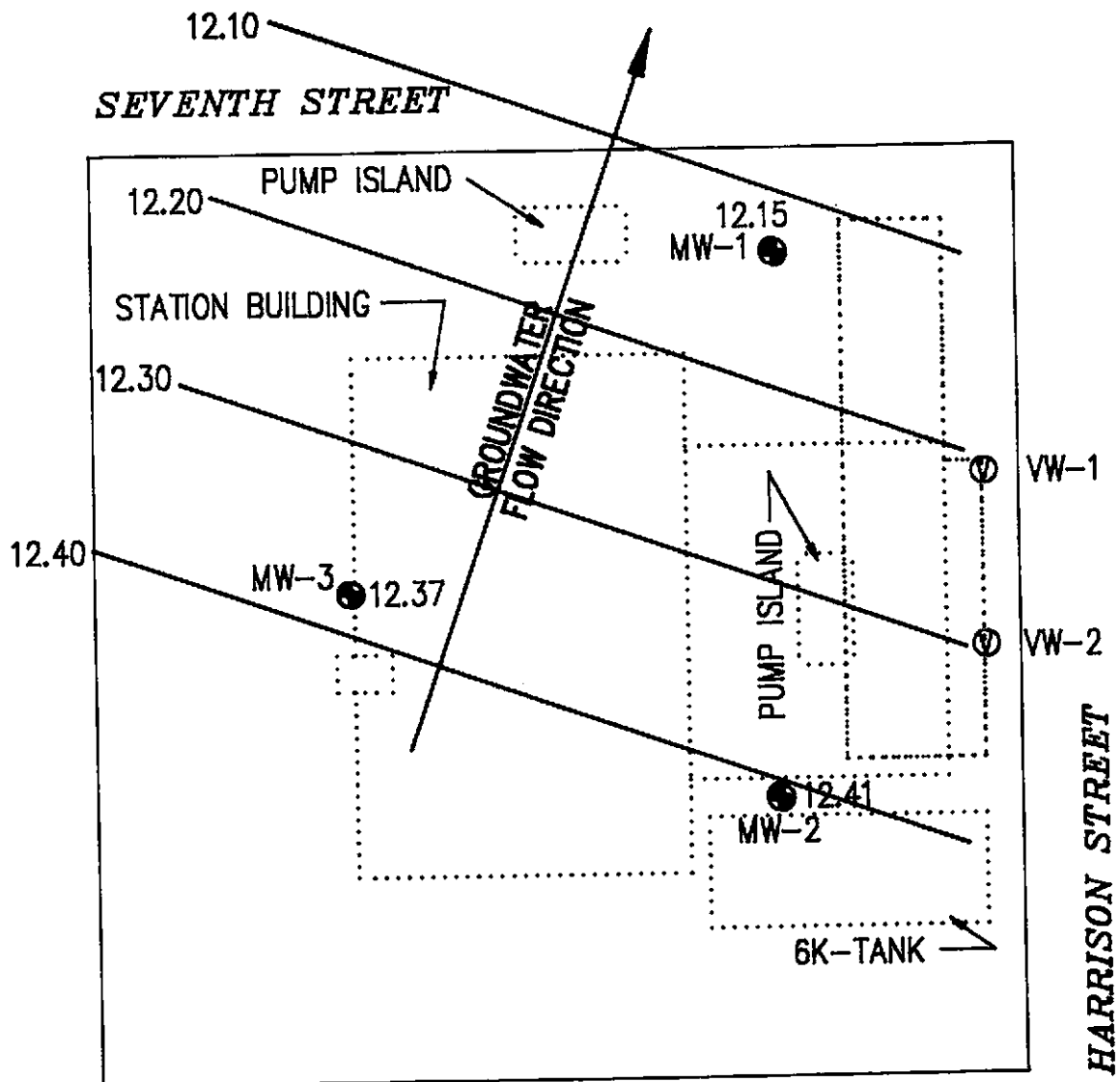
SCALE: 1 INCH = 20 FEET  
PROJECT # 93026.00  
DATE: MAY 13, 1994

DENNIS BATES ASSOCIATES, INC.

494 Alvarado Street, Suite B Monterey, CA. 93940  
1020 RAILROAD AVE. SUITE E, NOVATO, CA. 94945

FIGURE:

**2**



**EXPLANATION**

— 12.40 — GROUNDWATER ELEVATION CONTOURS



TITLE: SITE PLAN SHOWING GROUNDWATER FLOW DIRECTION  
 SITE: OAKLAND AUTO PARTS  
 ADDRESS: 706 HARRISON STREET, OAKLAND, CA.

SCALE: 1 INCH = 20 FEET  
 PROJECT # 93026.00  
 DATE: MAY 13, 1994

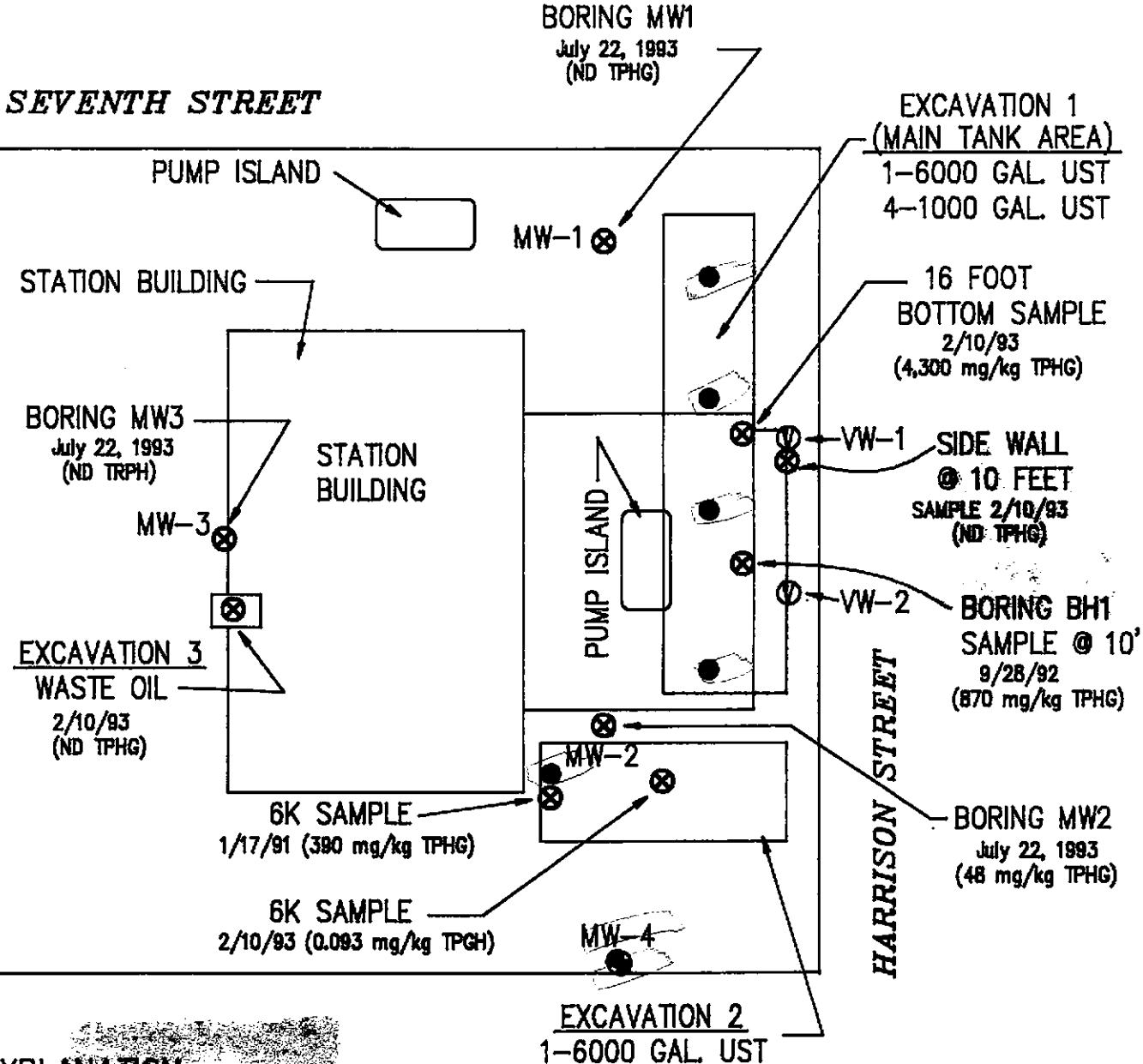
**DENNIS BATES ASSOCIATES, INC.**

494 Alvarado Street, Suite B Monterey, CA. 93940  
 1020 RAILROAD AVE. SUITE E, NOVATO, CA. 94945

FIGURE:

**3**





**EXPLANATION**

- PROPOSED BORING LOCATION
- PROPOSED MONITORING WELL LOCATION (MW-4)
- ⊗ PREVIOUS SOIL SAMPLE LOCATION



TITLE: SITE PLAN - UST EXCAVATIONS SHOWING PREVIOUS & PROPOSED SAMPLE LOCATIONS SITE OAKLAND AUTO PARTS ADDRESS: 706 HARRISON STREET, OAKLAND, CA.	SCALE: 1 INCH = 20 FEET PROJECT # 93026.00 DATE: MAY 13, 1994
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**DENNIS BATES ASSOCIATES, INC.**

494 Alvarado Street, Suite B Monterey, CA. 93940  
 1020 RAILROAD AVE. SUITE E, NOVATO, CA. 94945

FIGURE:

**4**

TABLE 1

SUMMARY OF DEPTHS TO GROUNDWATER  
AND  
GROUNDWATER ELEVATIONS ABOVE MEAN SEA LEVEL

WELL	DATE	DEPTH TO GROUND WATER	TOC ELEVATION AMSL	GROUNDWATER ELEVATION AMSL
MW1	08/10/93	17.1	29.15	12.05
MW2	08/10/93	17.05	30.51	13.46
MW3	08/10/93	16.9	29.77	12.87
MW1	08/13/93	17.4	29.15	11.75
MW2	08/13/93	17.05	30.51	13.46
MW3	08/13/93	17.05	29.77	12.72
MW1	12/14/93	17.27	29.15	11.88
MW2	12/14/93	18.28	30.51	12.23
MW3	12/14/93	17.7	29.77	12.07
MW1	4/15/94	17.00	29.15	12.15
MW2	4/15/94	18.10	30.51	12.41
MW3	4/15/94	17.40	29.77	12.37

C:\OAKLAND\A1513\TABL1.DOC

TABLE 2

## SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

TPH AS GASOLINE (TPHg)  
 BENZENE (B), TOLUENE (T), ETHYL BENZENE (EB), XYLENES (X)  
 ALL RESULTS REPORTED IN MICROGRAMS/LITER (mg/l)

WELL	DATE	TPHg	B	T	EB	X
MW1	08/13/93	20,000	8,500	640	280	440
MW1	12/14/93	17,000	9,200	1,200	4400	540
MW1A	12/14/93	12,000	6,400	360	330	200
MW1	4/15/94	9,500	3,600	530	160	280
MW2	08/13/93	34,000	6,800	10,000	740	3,900
MW2	12/14/93	16,000	3,200	4,200	500	1,700
MW2	4/15/94	230,000	2,500	4,200	470	1,800
MW3	08/13/93	ND	ND	ND	ND	ND
MW3	12/14/93	ND	ND	ND	ND	ND
MW3	4/15/94	ND	ND	ND	ND	ND

MW1 on 12/14/93 was collected using the 12 VOC submersible pump.

MW1A on 12/14/93 was collected using a disposable bailer immediately after MW1 was collected.

ND = NOT DETECTED AT THE METHOD REPORTING LIMIT

NA = NOT ANALYZED

NS = NOT SAMPLED

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APPENDIX A  
SAMPLING DATA SHEETS



**Dennis Bates**  
ASSOCIATES  
INCORPORATED

CLIENT: Bo Air

PROJECT #: \_\_\_\_\_

**SAMPLING DATA SHEET**

JOB LOCATION: <u>Oakland Auto Parts</u>		DATE PURGED: <u>4/15/94</u>			
		PURGE METHOD: <u>sub pump</u>			
<u>Ref TOC black mark</u>		DATE & TIME SAMPLED: <u>4/15</u>			
SAMPLING LOCATION: <u>MW 1</u>		SAMPLING METHOD: <u>sub pump</u>			
DEPTH TO WATER: <u>~ 17.0' (steel depo.)</u>		SAMPLE TYPE: <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE			
WELL BOTTOM DEPTH: <u>27.20</u>		PRESERVATIVES:			
WELL CASING VOLUME: <u>10.7' = 1.71 gal</u>		# OF CONTAINERS:			
CASING VOLUMES PURGED:		FIELD TECH:			
PURGE RATE: <u>1 gal / 38 sec</u>		WEATHER CONDITIONS:			
TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY	PH	TEMPERATURE	TURBIDITY (ntu)
1320	1 gal	75.4 x 100	6.34	75.1	mod turb
1330	3 gal	8.46 x 100	6.46	71.4	"
1340	4 gal	8.42 x 100	6.54	71.9	"
1345	6 gal	8.40 x 100	6.56	71.2	"
1350	7 gal	8.44 x 100	6.55	70.9	"

C:\DBA\SAMPLING

(casing volume 1.71 gal x 4 = 6.84)



Dennis Bates  
associates  
INCORPORATED

CLIENT: Bo Gin

PROJECT #: \_\_\_\_\_

### SAMPLING DATA SHEET

JOB LOCATION: <u>Edelweiss Bo Gin Auto Parts</u>		DATE PURGED: <u>4/15/94</u>			
REF: <u>TOC (black mark)</u>		PURGE METHOD: <u>sub pump</u>			
SAMPLING LOCATION: <u>MU2</u>		DATE & TIME SAMPLED: <u>4/15/94</u>			
DEPTH TO WATER: <u>18.10</u>		SAMPLING METHOD: <u>sub pump</u>			
WELL BOTTOM DEPTH: <u>27.0</u>		SAMPLE TYPE: <u>XGRAB</u> COMPOSITE			
WELL CASING VOLUME: <u>8.9'</u>		PRESERVATIVES:			
CASING VOLUMES PURGED:		# OF CONTAINERS:			
PURGE RATE: <u>1 gal / 37 sec</u>		FIELD TECH: <u>E Vanek</u>			
		WEATHER CONDITIONS: <u>Fair</u>			
TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY	PH	TEMPERATURE (°F)	TURBIDITY (ntu)
1120	1 gal	7.30 x 100	6.15	77.6	mod turbid
1125	2 gal	7.72 x 100	6.25	76.0	"
1130	3 gal	7.62 x 100	6.35	73.5	"
1135	4 gal	7.55 x 100	6.42	71.4	"
1140	5 gal	7.42 x 100	6.38	70.8	"
1145	6 gal	7.40 x 100	6.41	70.4	"
Sample					

CADBA/SAMPLING      Casing volume - 1.424 gal x 4 = 5.696



Dennis Bates  
associates  
INCORPORATED

CLIENT: B<sub>2</sub> On

PROJECT #: \_\_\_\_\_

SAMPLING DATA SHEET

JOB LOCATION: <u>Cadland Auto Parts</u>			DATE PURGED: <u>4/15/94</u>		
<u>Ref TOC black mark</u>			PURGE METHOD: <u>Sub pump</u>		
SAMPLING LOCATION: <u>MW3</u>			DATE & TIME SAMPLED: <u>4/15/94</u>		
DEPTH TO WATER: <u>217.4' (steel tape)</u>			SAMPLING METHOD: <u>sub pump</u>		
WELL BOTTOM DEPTH: <u>27.5'</u>			SAMPLE TYPE: <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE		
WELL CASING VOLUME: <u>10.5' x 1.68 gal</u>			PRESERVATIVES: <u>ACL</u>		
CASING VOLUMES PURGED: <u>4</u>			# OF CONTAINERS:		
PURGE RATE: <u>1 gal / 35 sec</u>			FIELD TECH:		
			WEATHER CONDITIONS:		

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY	PH	TEMPERATURE	TURBIDITY (ntu)
<u>1420</u>	<u>1 gal</u>	<u>5.35 x 100</u>	<u>6.38</u>	<u>74.0</u>	<u>mid turb.</u>
<u>1425</u>	<u>3 gal</u>	<u>4.95 x 100</u>	<u>6.52</u>	<u>69.7</u>	
<u>1500</u>	<u>4 gal</u>	<u>4.87 x 100</u>	<u>6.63</u>	<u>68.3</u>	
<u>1505</u>	<u>5 gal</u>	<u>4.84 x 100</u>	<u>6.64</u>	<u>67.7</u>	
<u>1510</u>	<u>6 gal</u>	<u>4.85 x 100</u>	<u>6.71</u>	<u>67.4</u>	
<u>1515</u>	<u>7 gal</u>	<u>4.84 x 100</u>	<u>6.70</u>	<u>67.2</u>	

C:\DBA\SAMPLING

Casing 1.68 gal x 4 = 6.72 gal

APPENDIX B  
LABORATORY ANALYTICAL SHEETS



RECEIVED  
APR 23 1994

April 21, 1994

Mr. John Sammons  
Dennis Bates Associates, Inc.  
1020 Railroad Avenue, Suite E  
Novato, CA 94945

RE: PACE Project No. 440415.508  
Client Reference: Oakland Auto

Dear Mr. Sammons:

Enclosed is the report of laboratory analyses for samples received April 15, 1994.

Footnotes are given at the end of the report.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

*Carol Reid*

Carol Reid  
Project Manager

Enclosures



# REPORT OF LABORATORY ANALYSIS

Dennis Bates Associates, Inc.  
1020 Railroad Avenue, Suite E  
Novato, CA 94945

April 21, 1994  
PACE Project Number: 440415508

Attn: Mr. John Sammons

Client Reference: Oakland Auto

PACE Sample Number:

70 0304156 ✓

Date Collected:

04/15/94 ✓

Date Received:

04/15/94 ✓

Client Sample ID:

MW2 ✓

Parameter

Units

MDL

DATE ANALYZED

## ORGANIC ANALYSIS

### PURGEABLE FUELS AND AROMATICS

#### TOTAL FUEL HYDROCARBONS, (LIGHT):

Purgeable Fuels, as Gasoline (EPA 8015M) ug/L 250 23000 ✓ 04/19/94

PURGEABLE AROMATICS (BTXE BY EPA 8020M):

Benzene ug/L 0.5 2500 ✓ 04/19/94

Toluene ug/L 10 4200 04/19/94

Ethylbenzene ug/L 0.5 470 04/19/94

Xylenes, Total ug/L 0.5 1800 04/19/94

Mr. John Sammons  
 Page 2

April 21, 1994  
 PACE Project Number: 440415508

Client Reference: Oakland Auto

PACE Sample Number: 70 0304164  
 Date Collected: 04/15/94  
 Date Received: 04/15/94  
 Client Sample ID: MW1 ✓

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>DATE ANALYZED</u>
------------------	--------------	------------	----------------------

ORGANIC ANALYSIS

<u>PURGEABLE FUELS AND AROMATICS</u>			
<u>TOTAL FUEL HYDROCARBONS, (LIGHT):</u>			
TOTAL FUEL HYDROCARBONS, (LIGHT):			04/19/94
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	250	9500 ✓ 04/19/94
<u>PURGEABLE AROMATICS (BTXE BY EPA 8020M):</u>			
Benzene	ug/L	10	3600 ✓ 04/19/94
Toluene	ug/L	2.5	530 04/19/94
Ethylbenzene	ug/L	2.5	160 04/19/94
Xylenes, Total	ug/L	2.5	280 04/19/94

**REPORT OF LABORATORY ANALYSIS**

Mr. John Sammons  
 Page 3

April 21, 1994  
 PACE Project Number: 440415508

Client Reference: Oakland Auto

PACE Sample Number: 70 0304172  
 Date Collected: 04/15/94  
 Date Received: 04/15/94  
 Client Sample ID: MW3  
 Parameter

Units                      MDL                      DATE ANALYZED

ORGANIC ANALYSIS

PURGEABLE FUELS AND AROMATICS				
TOTAL FUEL HYDROCARBONS, (LIGHT):				
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND	04/19/94
PURGEABLE AROMATICS (BTXE BY EPA 8020M):				
Benzene	ug/L	0.5	ND	04/19/94
Toluene	ug/L	0.5	ND	04/19/94
Ethylbenzene	ug/L	0.5	ND	04/19/94
Xylenes, Total	ug/L	0.5	ND	04/19/94

These data have been reviewed and are approved for release.



Darrell C. Cain  
 Regional Director

Mr. John Sammons  
Page 4

FOOTNOTES  
for pages 1 through 3

April 21, 1994  
PACE Project Number: 440415508

Client Reference: Oakland Auto

MDL Method Detection Limit  
ND Not detected at or above the MDL.

Mr. John Sammons  
 Page 5

QUALITY CONTROL DATA

April 21, 1994  
 PACE Project Number: 440415508

Client Reference: Oakland Auto

PURGEABLE FUELS AND AROMATICS

Batch: 70 29776

Samples: 70 0304156, 70 0304164, 70 0304172

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			
Purgeable Fuels, as Gasoline (EPA 8015M)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020M)			
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	MDL	700304172		Spike		RPD
			MW3	Spike	Recv	Dupl Recv	
Benzene	ug/L	0.5	ND	100	95%	96%	1%
Toluene	ug/L	0.5	ND	100	100%	100%	0%
Ethylbenzene	ug/L	0.5	ND	100	98%	98%	0%
Xylenes, Total	ug/L	0.5	ND	300	99%	98%	1%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference	Dupl		RPD
			Value	Recv	Recv	
Benzene	ug/L	0.5	100	98%	93%	5%
Toluene	ug/L	0.5	100	103%	104%	1%
Ethylbenzene	ug/L	0.5	100	102%	104%	2%
Xylenes, Total	ug/L	0.5	300	103%	104%	1%

Mr. John Sammons  
Page 6

FOOTNOTES  
for page 5

April 21, 1994  
PACE Project Number: 440415508

Client Reference: Oakland Auto

MDL Method Detection Limit  
ND Not detected at or above the MDL.  
RPD Relative Percent Difference

**CHAIN-OF-CUSTODY RECORD  
Analytical Request**

440415.508

Client DBA  
Address 1020 Railroad  
Novato  
Phone 892-4131

Report To: \_\_\_\_\_  
Bill To: \_\_\_\_\_  
P.O. # / Billing Reference \_\_\_\_\_  
Project Name / No. Oakland Ave

Pace Client No. \_\_\_\_\_  
Pace Project Manager \_\_\_\_\_  
Pace Project No. \_\_\_\_\_  
\*Requested Due Date: \_\_\_\_\_

Sampled By (PRINT):

Sampler Signature [Signature] Date Sampled 4/15/94  
Eva Vomek

NO. OF CONTAINERS	PRESERVATIVES				
	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VOA	Per test
					4/11/6

ANALYSES REQUEST

TPH G.M.  
BTEX

routine  
T.O.  
REMARKS

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	VOA	Per test	ANALYSES REQUEST	REMARKS
1	MW 2	1200	H <sub>2</sub> O	30415.6	2							
2	MW 1	1375	H <sub>2</sub> O	30416.4	2							
3	MW 3	1575	H <sub>2</sub> O	30417.2	2							
4												
5												
6												
7												
8												

COOLER NOS.	BAILERS	SHIPMENT METHOD	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
				<u>[Signature]</u>	<u>[Signature]</u>	<u>4/15</u>	<u>4:30</u>

Additional Comments  
5/POOR

Donald Jankowski Pace  
4/15/94 1700