



June 30, 1993

Ms. Juliet Shin  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621

**Subject: Second Quarterly Report 1993  
Groundwater Monitoring for  
Alameda Collision Repair  
1911 Park Street, Alameda, California  
(Project No. 929393)**

Aqua Terra Technologies  
Consulting Engineers  
& Scientists

2950 Buskirk Avenue  
Suite 120  
Walnut Creek, CA  
94596-2079  
FAX 934-0418  
510 934-4884

Dear Ms. Shin:

The following letter report, compiled by Aqua Terra Technologies, Inc. (ATT), summarizes laboratory analytical results for groundwater samples collected from the monitoring well at the subject site. Groundwater monitoring activities, for the second quarter 1993, are summarized below.

#### **SITE SETTING & WELL LOCATION**

Alameda Collision Repair is an auto body repair shop located in the City of Alameda, California, approximately 0.5 miles west of Highway 880 (Plate 1, Attachment A). The location of the groundwater monitoring well, designated MW1, is shown on Plate 2 (Attachment A).

#### **GROUNDWATER SAMPLE COLLECTION**

On June 9, 1993, ATT field personnel collected a set of groundwater samples from monitoring well MW1. The equilibrated depth to groundwater was approximately 4.0 feet below surface grade (bsg) on June 9, 1993. Groundwater samples were submitted for analysis to a California Department of Health Services (DHS) certified laboratory in accordance with ATT's chain-of-custody documentation protocols. A copy of the groundwater sample collection record is in Attachment B.

Ms. Juliet Shin  
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Alameda County Health Care Services Agency  
June 30, 1993  
Page 2

#### **LABORATORY SAMPLE ANALYSIS**

Copies of the signed laboratory analytical reports and chain-of-custody documentation are included in Attachment B.

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH/g) and for benzene, toluene, ethylbenzene, and total xylenes (BTEX), using EPA Test Methods 5030/8015 and 602, respectively.

No analytes were detected in the groundwater samples at or above the method detection limits. A cumulative summary of groundwater analytical results is presented in Table 1 (Attachment C).

#### **PLANNED ACTIVITIES**

A set of groundwater samples will be collected from monitoring well MW1 during the third quarter, 1993. The samples will be analyzed at a DHS certified laboratory for TPH/g and BTEX. A third quarter, 1993 groundwater monitoring report will be submitted to the ACHCSA.

Ms. Juliet Shin  
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Alameda County Health Care Services Agency  
June 30, 1993  
Page 3

Please contact us if you have any questions or comments regarding the contents of this report.

Sincerely,

AQUA TERRA TECHNOLOGIES, INC.



Kimberly S. Lagomarsino  
Staff Scientist



Mark R. Lafferty, R.G.  
Registered Geologist #4701  
(Expires 6/30/94)



Terrance E. Carter  
Senior Environmental Engineer  
Project Manager

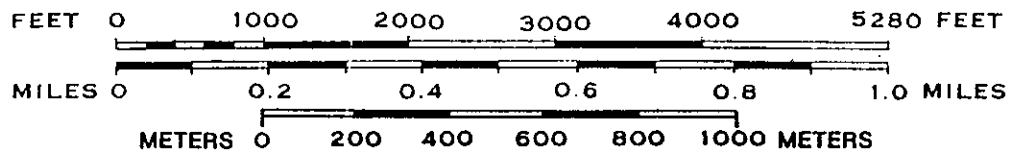
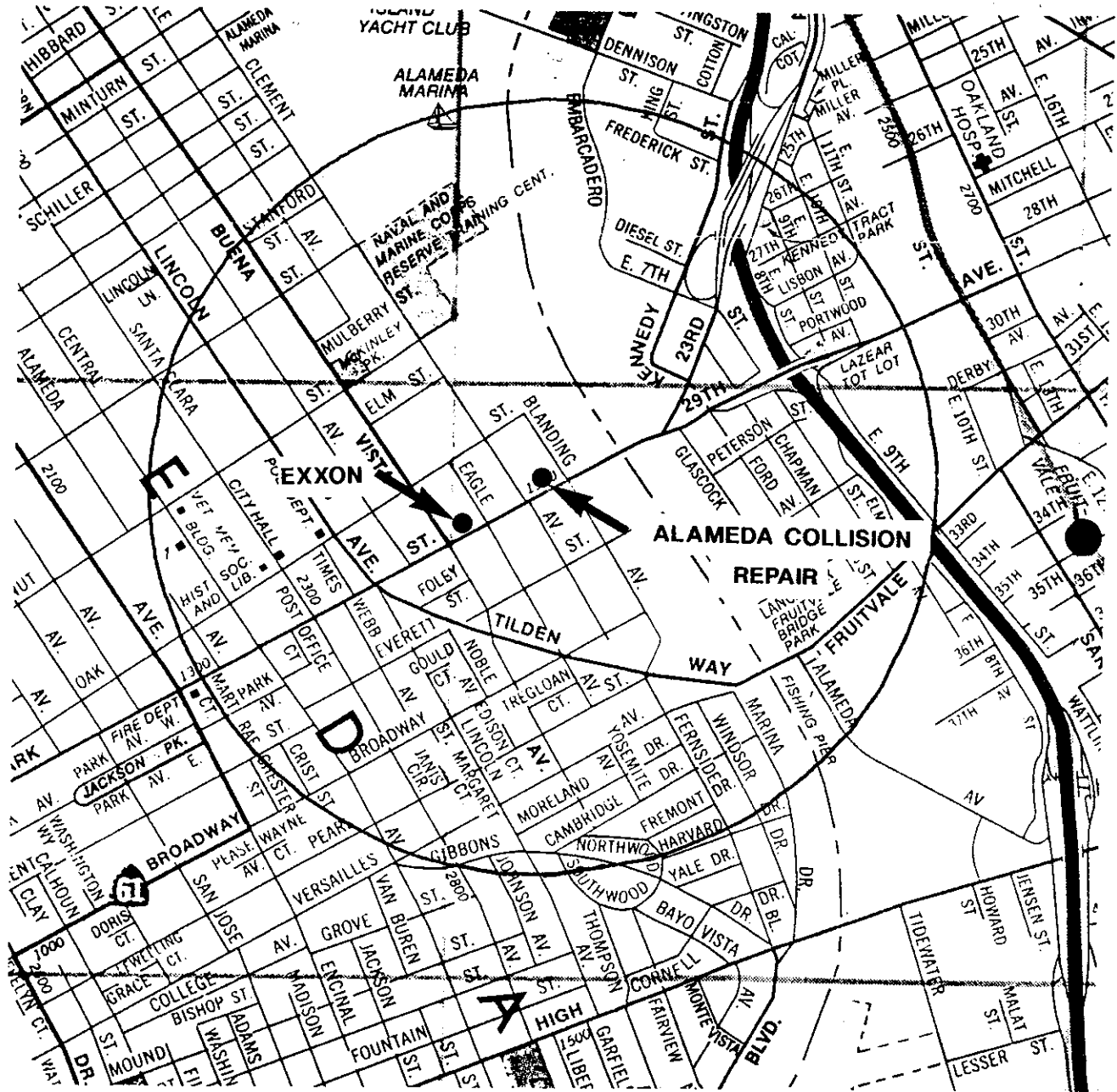
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Attachments

cc: Jeff Thompson, Alameda Collision Repair

**ATTACHMENT A**

**Plates**



**ALAMEDA COLLISION REPAIR**  
**1911 PARK STREET**  
**ALAMEDA**

**ATT**

**Aqua Terra Technologies**  
**Consulting Engineers**  
**& Scientists**

**ALAMEDA COLLISION REPAIR**

**PLATE**

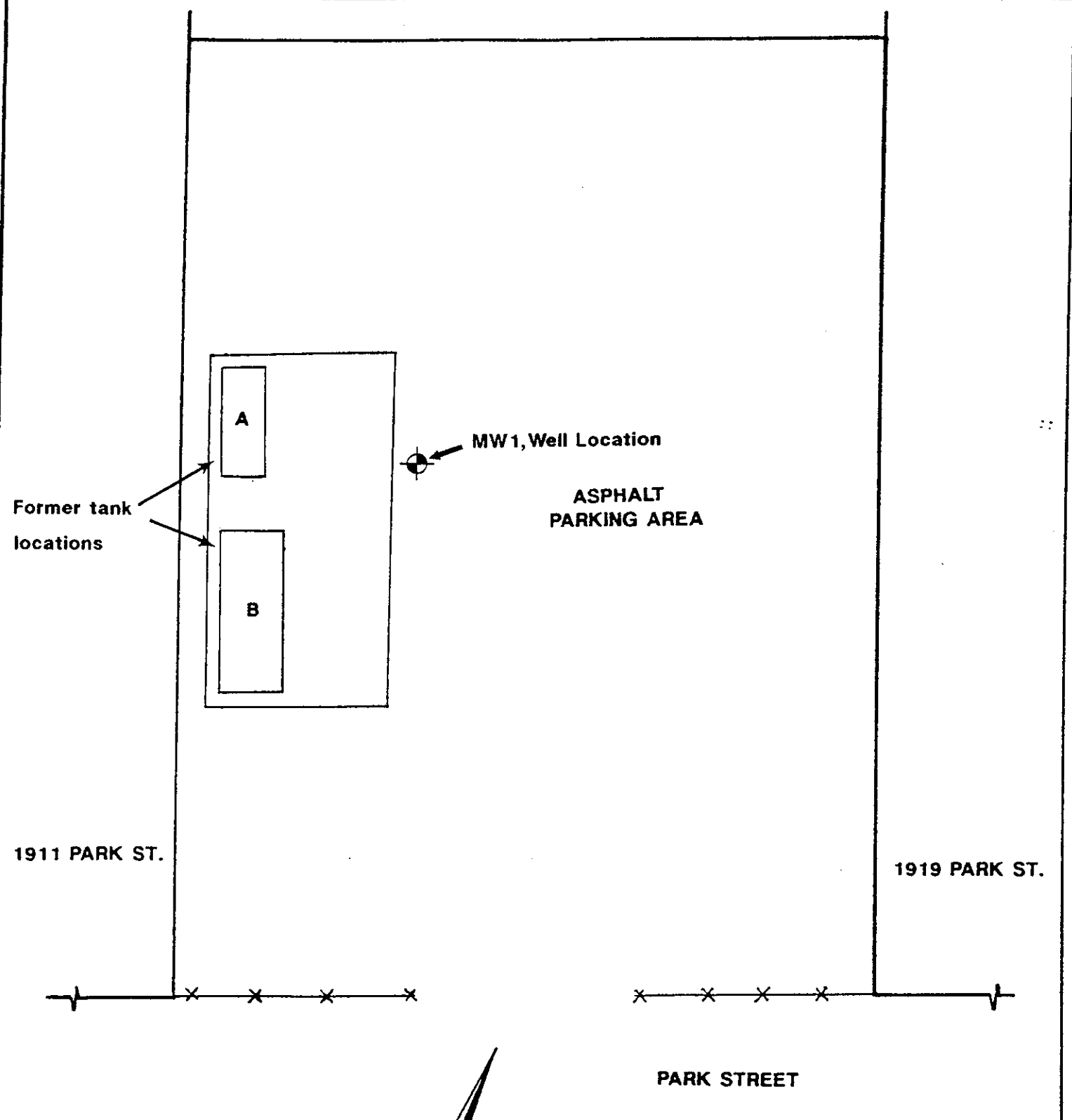
**JOB NUMBER**

**DATE**

**1**

**929393**

**07/93**



**Monitoring Well & Former Tank Locations**  
**1911 Park Street, Alameda, CA**

<b>ALAMEDA COLLISION REPAIR</b>		<b>PLATE</b>  2
<b>JOB NUMBER</b> 929393	<b>DATE</b> 07/93	

**ATT** Aqua Terra Technologies  
 Consulting Engineers  
 & Scientists

**ATTACHMENT B**

**Sample Collection Record  
Laboratory Report  
Chain-of-Custody**



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

June 11, 1993

PEL # 9306026

AQUA TERRA TECHNOLOGIES, INC.

Attn: Terry Carter

Re: One water sample for Gasoline/BTEX analysis.

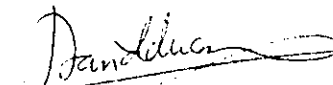
Project number: 929393

Date sampled: Jun 09, 1993  
Date extracted: June 10, 1993

Date submitted: Jun 10, 1993  
Date analyzed: Jun 10, 1993

## RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
MW 1	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	92.1%	93.5%	91.4%	92.8%	102.0%
Detection limit	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	602	602	602	602

  
David Duong  
Laboratory Director



**Aqua Terra Technologies, Inc.**

2950 Buskirk Avenue, Ste. 120  
 Walnut Creek, CA 94596  
 Tel. (510) 934-4884  
 Fax. (510) 934-0418

PEL # 9306026

INV # 23681


ATT

**CHAIN OF SAMPLE CUSTODY RECORD**  
 (original document, please return)

Page 1 of 1

Sampled By: RICHARD BALSAM

Date Sampled: 6.9.93

Signature: 

ATT Job #: 929393

Lab Name: P.E.L.

Results To Be Sent To: TERRY CARTER

Contact: \_\_\_\_\_

Results Needed By: NORMAL TURNAROUND

Phone #: (408) 946-9636

Fax Results ASAP

Lab Job #: \_\_\_\_\_

Sample Collection				Sample Preservation			Sample Containers		Analysis/EPA Method No.					Remarks
Sample I.D.	Time (24 hr)	Matrix (e.g. Water, Soil)	Number of Containers	Ice	HCl	Dry Ice	40 ML	1 LT	TPH-G	BTEX				
MW1	13:30	WATER	4	X	Y		2	2	X	X				

Notes:

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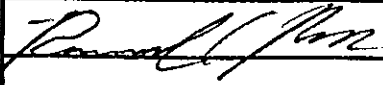
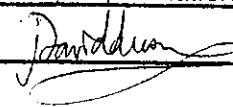
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Relinquished by/ Company Affiliation	Date	Time	Received by: Company Affiliation	Date	Time
<u></u>	<u>6.10.93</u>	<u>08:00</u>	<u></u>	<u>6/10/93</u>	<u>8:00 AM</u>

SAMPLE COLLECTION RECORD - MONITOR WELL

ATT

Date: 6-9-93 Sample I.D.: MW1 Job No.: 929393

Site Location: ALAMEDA COLLISION ALAMEDA

No. of Containers : 2 / (check one):  Well Samples;  
 Duplicates from well \_\_\_\_\_;  Travel Blanks;  
 Field Blanks;  Other (explain) / \_\_\_\_\_

W.L. (1/100'): 4.02 Time : 13:02 B.O.W. (1/2'): 19.5

Method:  Electric Well Sounder;  Other / \_\_\_\_\_

Meters calibrated:  Y / N Well Loc. Map:  Y / N

Calculated Purge Volume (4 casing volumes): 15 gallons

Purging Method:  Disposable Bailer;  Teflon Bailer;  
 Other / \_\_\_\_\_

Time Start Purging (24 hr): 13:03, Product: Y /  N  
 Sheen: Y /  N, Odor: Y /  N, Vapor: \_\_\_\_\_ ppm / %LEL  
 Turbidity: 3, Color: CLEAR

Time Stop Purging (24 hr): 13:26, Product: Y /  N  
 Sheen: Y /  N, Odor: Y /  N, Vapor: \_\_\_\_\_ ppm / %LEL  
 Turbidity: 98, Color: CLOUDY BROWN

Time (24 hr)	Temp. (C)	pH	Cond. (uS)	H2O (Gal)	Turbid. (NTU)
<u>13:11</u>	<u>19°</u>	<u>7.32</u>	<u>0460</u>	<u>5</u>	<u>155</u>
<u>13:18</u>	<u>19°</u>	<u>7.46</u>	<u>0480</u>	<u>10</u>	<u>174</u>
<u>13:26</u>	<u>19°</u>	<u>7.48</u>	<u>0510</u>	<u>15</u>	<u>98</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Sample Collection Time (24 hr): 13:30

Notes: \_\_\_\_\_

Collected By (signature): *[Signature]*

**ATTACHMENT C**

**Table**

Table 1

Summary of Laboratory Analytical Results  
for Groundwater Samples Collected from Well MW1  
1911 Park Street, Alameda, California

Sample/ Well I.D.	Sample Collection Date	Concentration ( $\mu\text{g/L}$ )					
		TPH-D <sup>a</sup>	TPH-G <sup>b</sup>	B <sup>c</sup>	T <sup>c</sup>	E <sup>c</sup>	X <sup>c</sup>
MW1	01/05/93	<50	<50	<0.5	<0.5	<0.5	<0.5
	03/30/93	NC <sup>e</sup>	<50	<0.5	<0.5	<0.5	<0.5
	06/09/93	NC <sup>e</sup>	<50	<0.5	<0.5	<0.5	<0.5

- a. TPH-D = total petroleum hydrocarbons as diesel  
b. TPH-G = total petroleum hydrocarbons as gasoline  
c. BTEX = benzene, toluene, ethylbenzene, total xylenes  
d. <50 and <0.5 = not detected at or above the test method detection limit  
e. NC = sample not collected