

# REACT ENVIRONMENTAL SERVICES CORPORATION

93 OCT 19 AM 11:15

October 15, 1993

Mr. Ron Imperiale  
Valley Auto Center  
6015 Scarlet Court  
Dublin, CA 94568

std 3762

Subject: Quarterly Report - Monitoring Well Sampling  
5787 Scarlet Court, Dublin California

Dear Mr. Imperiale:

REACT Environmental Services Corp. (RES) is pleased to present you with this quarterly groundwater monitoring report for your facility located at 5787 Scarlet Court, Dublin California.

On October 7, 1993 RES performed well sampling at the above site. Samples were collected from monitoring wells MW-3, MW-4, and MW-5; refer to Figure 1. The following report is a description of these sampling activities.

## FIELD PROCEDURES

Prior to groundwater sampling, depth to water-level measurements were obtained in each monitoring well using a Sample Pro (Model 6000) water level meter. Static groundwater levels were measured from the surveyed top-of-well casing and recorded to the nearest  $\pm 0.01$  foot.

Each well was purged of at least four well casing volumes of water prior to sampling. During the well purging, pH and temperature readings were taken and recorded on the Water Quality Sample Collection Log. Wells were purged, and subsequently sampled, using a teflon bailer which was cleaned with a laboratory detergent before each use. Purge water was drummed and left on site until laboratory sample results could be used to determine a proper method of disposal.

The collected sample from each well was transferred into two 40 mL VOA glass containers. All containers were capped and then inverted to check for head space, labeled and placed into a chilled cooler (maintained at 4 Degrees Celsius). The samples were delivered to Priority Environmental Labs in Milpitas, California; strict chain-of-custody protocol was observed. Please refer to Appendix A for Water Quality Sample Collection Log, Chain of Custody and Laboratory Report.

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## **GROUNDWATER ANALYTICAL DATA**

All groundwater samples were analyzed for the presents of total petroleum hydrocarbons as Gasoline using EPA Method (5030/8015), and BTEX (602).

Based on the analytical results, our findings indicate that the water samples collected from all three wells were below the limits of detection for those chemicals analyzed.

## **QUALITY CONTROL**

A quality control sample (reagent blank) was included in the October 8, 1993 sampling. This sample was prepared by the laboratory using an aliquot of analyte-free water analyzed with the analytical batch.

## **COMMENTS**

The groundwater data collected during this site investigation indicates that the groundwater flows from the northeast to the southwest. Laboratory results indicated that no detectable levels of the contaminate were present in the water samples for those chemicals tested. A copy of the test results, chain-of-custody, and Water Quality Collection Logs are presented in Appendix A.

**TABLE 1: GROUNDWATER MONITORING WELL DATA**

**TABLE 2: GROUNDWATER ANALYTICAL RESULTS**

**FIGURE 1: FACILITY DIAGRAM AND MONITORING WELL LOCATIONS**

**APPENDIX A: WATER SAMPLING COLLECTION LOG SHEETS, CHAIN-OF-CUSTODY, and LABORATORY RESULTS**

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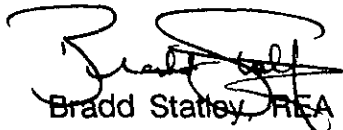
A copy of this report should be sent to:

Ms. Eva Chu  
Hazardous Materials Specialist  
Alameda County Environmental Health Services  
80 Swan Way, Room 200  
Oakland, CA 94612

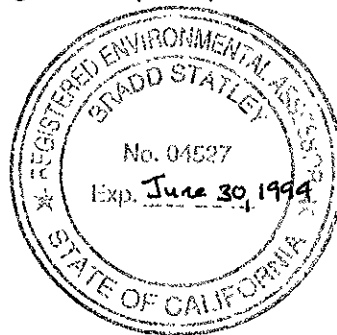
Eddy So  
Regional Water Quality Control Board  
2101 Webster Avenue  
Oakland, CA 94612

Should you have any questions regarding this report please contact Fred Stamey at  
(415) 365-9696.

Very truly yours,



Bradd Statley, REA  
Project Engineer  
REACT Environmental Services Corp.



## **TABLES**

**TABLE 1  
GROUNDWATER MONITORING WELL DATA**

	MW-3	MW-4	MW-5
TOTAL CASING DEPTH (FT)	14.21	18.92	13.92
TOP OF CASING ELEV. (FT)	327.93	327.12	327.86
WELL DIAMETER (INCHES)	4	4	4
SCREEN LENGTH INTERVAL (Feet Below Grade)	NA	NA	NA
Depth to Water (FT) 1/24/91	NA	NA	NA
Depth to Water (FT) 3/9/93	3.00	3.00	3.17
Depth to Water (FT) 6/29/93	4.91	4.61	5.11
Depth to Water (FT) 10/8/93	5.68	5.34	5.94

NA - Data Not Available

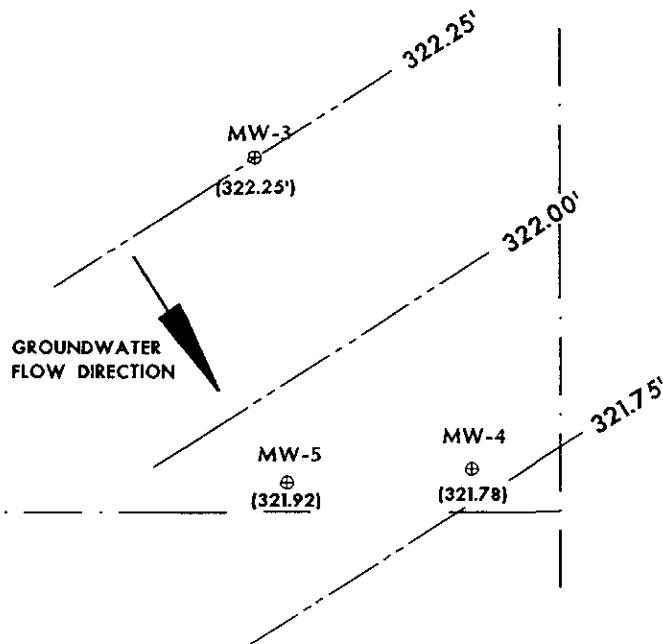
**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
**(PPB)**

	MW-3	MW-4	MW-5
1/24/91 TPH-GASOLINE	ND	ND	80
BENZENE	ND	ND	ND
TOLUENE	ND	ND	ND
ETHYL BENZENE	ND	ND	ND
TOTAL XYLENES	ND	ND	ND
3/19/93 TPH-GASOLINE	ND	ND	130
BENZENE	ND	ND	ND
TOLUENE	ND	ND	0.9
ETHYL BENZENE	ND	ND	ND
TOTAL XYLENES	ND	ND	ND
6/29/93 TPH-GASOLINE	ND	ND	ND
BENZENE	ND	ND	ND
TOLUENE	ND	ND	ND
ETHYL BENZENE	ND	ND	ND
TOTAL XYLENES	ND	ND	ND
10/8/93 TPH-GASOLINE	ND	ND	ND
BENZENE	ND	ND	ND
TOLUENE	ND	ND	ND
ETHYL BENZENE	ND	ND	ND
TOTAL XYLENES	ND	ND	ND

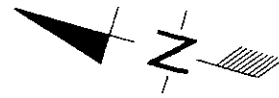
ND - Not Detected

NA - Not Analyzed

## FIGURES



84 LUMBER



VALLEY AUTO DEALER  
BODY SHOP

LEGEND

- (322.51) GROUNDWATER ELEVATION
- ⊕ MONITORING WELL LOCATION

<b>REACT ENVIRONMENTAL SERVICES CORP.</b>					
3351 EL CAMINO REAL, SUITE 221    ATHERTON, CA 94027					
<b>FIGURE 1    VALLEY AUTO CENTER 5787 SCARLET CT.</b>					
<b>DUBLIN, CALIFORNIA</b>					
DATE	SCALE	DRAWN	FILE	DRAWING NUMBER	REV
10-14-93	1" = 30'	STATLEY DUBNISON			2



## APPENDIX A



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

October 11, 1993

PEL # 9310030

SCOTTS ENVIRONMENTAL, INC.

Attn: Bradd Statley

Re: Three water samples for Gasoline/BTEX analysis.

Project name: Valley Auto

Project number: 93-07-03

Date sampled: Oct 08, 1993

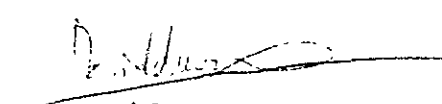
Date submitted: Oct 09, 1993

Date extracted: Oct 09, 1993

Date analyzed: Oct 09, 1993

## RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
MW-3	N.D.	N.D.	N.D.	N.D.	N.D.
MW-4	N.D.	N.D.	N.D.	N.D.	N.D.
MW-5	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	93.2%	94.1%	95.6%	90.9%	99.7%
Duplicate Spiked Recovery	88.6%	87.8%	92.1%	83.5%	90.3%
Detection limit	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	602	602	602	602

  
David Duong  
Laboratory Director

**Priority Environmental Labs**

1764 Houret Court  
Milpitas, CA 95035  
(408) 946-9636

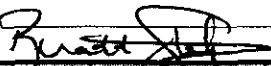


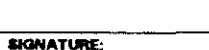
**PEL #** 9310030

**INV #** 24085

**Chain of Custody**

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636

DATE: 10 / 8 / 93 PAGE: 1 OF: 1

PROJECT INFORMATION				ANALYSIS REPORT													NUMBER OF CONTAINERS								
PROJECT INFORMATION				IPH-Gasoline (EPA 5030.8015)	IPH-Gasoline (5030.8015) w/BTEX (EPA 602.8020)	IPH-Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 E&T)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1															
PROJECT MGR: <b>BRADD STATLEY</b>	COMPANY: <b>SCOTT ENVIRONMENTAL</b>	ADDRESS: <b>148 METAIRIE PL. SAN RAMON, CA 94583</b>	PHONE: <b>510-833-0822</b> FAX: _____	SIGNATURE: 																					
SAMPLE ID	DATE	TIME	MATRIX	LAB ID																					
MW-3	10/8/93	14:27	WATER			✓																			2
MW-4	↓	15:40	↓			✓																			2
MW-5	↓	16:45	↓			✓																			2
PROJECT INFORMATION				SAMPLE RECEIPT		RELINQUISHED BY: 1		RECEIVED BY: 1		RELINQUISHED BY: 2		RECEIVED BY: 2													
PROJECT NAME: <b>VALLEY AUTO</b>	TOTAL # OF CONTAINERS: <b>6</b>	RECD. GOOD COND./COLD: <b>YES</b>		SIGNATURE:  Date: <b>10/8/93</b>		SIGNATURE:  Date: <b>10/9/93</b>		SIGNATURE:  Date: <b>10/9/93</b>		SIGNATURE: _____ Date: _____		SIGNATURE: _____ Date: _____													
PROJECT NUMBER: <b>93-07-03</b>	INSTRUCTIONS & COMMENTS:		NAME: <b>Bradd Statley</b> Time: <b>10:50</b>		NAME: _____ Time: _____		NAME: _____ Time: _____		NAME: _____ Time: _____		NAME: _____ Time: _____														
				COMPANY: <b>SCOTT ENV.</b>		COMPANY: <b>PEL</b>		COMPANY: <b>PEL</b>		COMPANY: _____		COMPANY: _____													

**SCOTT ENVIRONMENTAL**  
**WATER QUALITY SAMPLE**  
**COLLECTION LOG**

SITE LOCATION: 5787 SCARLETT CT., DUBLIN  
 SAMPLING DATE: 10/8/93 SAMPLERS NAME: B. STATLEY  
 WELL ID.: MW-3 SAMPLE ID.: MW-3  
 PURGING METHOD: TEFLON BAILER  
 SAMPLING METHOD: TEFLON BAILER  
 CONTAINER TYPE/SIZE: 40 mL VOA  
 NUMBER OF CONTAINERS: 2  
 WEATHER CONDITION: OVERCAST / WARM  
 WELL CASING DIAMETER (in): 4  
 WELL CASING ELEVATION (ft): 327.93  
 WELL CASING DEPTH (ft): 14.21  
 TOTAL WELL DEPTH MEASURED (FT): 14.08  
 FLOATING PRODUCT (in): No  
 \* DEPTH TO WATER (ft): ~~5.78~~ 5.68 @ 13:50 2-inch casing = 0.16 gal/ft  
 HEIGHT OF WATER IN WELL (ft): 8.53 4-inch casing = 0.65 gal/ft  
 VOLUME OF WATER IN WELL (gal): 5.54 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
14:05	5		21.8	6.87	Clear, no odor
14:14	5		21.2	6.89	- 11 -
14:20	5		21.0	6.92	cloudy, no odor
14:25	5		20.8	6.92	- 11 -
14:28	2		20.8	6.93	- 11 -

DID WELL DEWATER? YES/NO (NO)

Additional remarks by sampler: \* MEASURED FROM BLACK MARK AT TOC  
 SAMPLE CONTAINERS DELIVERED TO: Priority Environmental Labs (PEL)  
 Sampler's Signature: [Signature]

**SCOTT ENVIRONMENTAL**  
**WATER QUALITY SAMPLE**  
**COLLECTION LOG**

SITE LOCATION: 5787 SCARLETT CT., DUBLIN  
 SAMPLING DATE: 10/8/93 SAMPLERS NAME: B. STATLEY  
 WELL ID.: MW-4 SAMPLE ID.: MW-4  
 PURGING METHOD: TEFLON BAILER  
 SAMPLING METHOD: TEFLON BAILER  
 CONTAINER TYPE/SIZE: 40 mL VOA  
 NUMBER OF CONTAINERS: 2  
 WEATHER CONDITION: OVERCAST/WARM  
 WELL CASING DIAMETER (in): 4  
 WELL CASING ELEVATION (ft): 327.12  
 WELL CASING DEPTH (ft): 18.92  
 TOTAL WELL DEPTH MEASURED (FT): 18.83  
 FLOATING PRODUCT (in): No

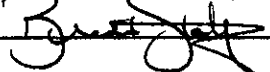
\* DEPTH TO WATER (ft): 5.34 @ 14:45 2-inch casing = 0.16 gal/ft  
 HEIGHT OF WATER IN WELL (ft): 13.58 4-inch casing = 0.65 gal/ft  
 VOLUME OF WATER IN WELL (gal): 8.83 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
15:00	5		21.1	6.87	clear/no odor
15:06	5		21.0	6.90	- " -
15:13	5		20.7	7.01	- " -
15:20	5		20.6	7.01	- " -
15:25	5		20.4	7.09	- " -
15:32	5		20.4	7.09	- " -
15:38	5		20.4	7.09	- " -

DID WELL DEWATER? YES/NO

Additional remarks by sampler: \* MEAS. FROM BLACK MARK TOC. LOCK ON WELL CAP MISSING

SAMPLE CONTAINERS DELIVERED TO: PEL

Sampler's Signature: 

SCOTT ENVIRONMENTAL

WATER QUALITY SAMPLE

COLLECTION LOG

SITE LOCATION: 5787 SCARLETT CT., DUBLIN  
 SAMPLING DATE: 10/8/93 SAMPLERS NAME: B. STATLEY  
 WELL ID.: MW-5 SAMPLE ID.: MW-5  
 PURGING METHOD: TEFLON BAILER  
 SAMPLING METHOD: TEFLON BAILER  
 CONTAINER TYPE/SIZE: 40 mL VOA  
 NUMBER OF CONTAINERS: 2  
 WEATHER CONDITION: OVER CAST / WARM  
 WELL CASING DIAMETER (in): 4  
 WELL CASING ELEVATION (ft): 327.86  
 WELL CASING DEPTH (ft): 13.92  
 TOTAL WELL DEPTH MEASURED (FT): 13.61  
 FLOATING PRODUCT (in): No

\* DEPTH TO WATER (ft): 5.94 @ 16:00 2-inch casing = 0.16 gal/ft  
 HEIGHT OF WATER IN WELL (ft): 7.98 4-inch casing = 0.65 gal/ft  
 VOLUME OF WATER IN WELL (gal): 5.19 6-inch casing = 1.47 gal/ft

TIME	VOLUME REMOVED (gal)	CONDUCT. (micro-mhos/cm)	TEMP. (deg. C)	pH	REMARKS
16:20	5		22.0	6.93	CLEAR / No odor
16:25	5		21.5	6.91	- " -
16:33	5		20.8	6.95	CLOUDY / No odor
16:40	5		20.7	6.95	- " -

DID WELL DEWATER? YES/NO

Additional remarks by sampler: \* MEAS. FROM BLACK MARK TO C

SAMPLE CONTAINERS DELIVERED TO: PEL

Sampler's Signature: 