



2060 KNOLL DRIVE, SUITE 200, VENTURA, CALIFORNIA 93003  
(805) 644-5892 • FAX (805) 654-0720

ALCO  
HAZMAT

24 SEP 27 AM 11:28

September 19, 1994

Ms. Jennifer Eberle, Haz. Mat. Specialist  
Alameda County Health Care Service  
Department of Environmental Health  
80 Swan Way, Rm. 200  
Oakland, CA 94621

Subject: 2844 Mountain Blvd.  
Oakland, California 94602

Dear Ms. Eberle:

Enclosed is the most recent Groundwater Monitoring Report for the real property located at 2844 Mountain Blvd. in Oakland, California.

Please call Mr. Rick Pilat at RSI if you have any questions regarding this report.

Sincerely,

  
Heather Davis  
Remediation Service, Int'l.

cc: John Rutherford  
Desert Petroleum

enclosure



2060 KNOLL DRIVE, SUITE 200, VENTURA, CALIFORNIA 93003  
(805) 644-5892 • FAX (805) 654-0720

**QUARTERLY MONITORING REPORT**

for

**2844 MOUNTAIN BOULEVARD  
OAKLAND, CA**

Prepared for:  
**DESERT PETROLEUM**  
P.O. Box 1601  
Oxnard, CA 93032

Prepared by:  
**RSI - REMEDIATION SERVICE, INT'L**  
2060 Knoll Drive  
Ventura, CA 93003

**Michael E. Mulhern**  
E.G. #1507  
Exp. 10/31/96

**Richard W. Pilat**  
RSI Program Director

September 9, 1994

## TABLE OF CONTENTS

1.0 INTRODUCTION	Page 1
2.0 BACKGROUND	Page 1
3.0 GROUNDWATER MONITORING	Page 2
3.1 Groundwater Monitoring Procedures	Page 2
3.2 Groundwater Monitoring Results	Page 2
4.0 REMEDIATION UPDATE	Page 2
5.0 LIMITATIONS	Page 3

### FIGURES

1. Location Map
2. Site Plan
3. Groundwater Elevation Map, August 25, 1994
4. Remediation Equipment Location

### TABLES

1. Groundwater Elevation Data
2. Summary of Analytical Results
3. Remedial System Performance Data for 1994

### APPENDICES

- A. Groundwater Sample Logs
- B. Laboratory Reports and Chain of Custody Documents

## 1.0 INTRODUCTION

This report presents the results of groundwater monitoring and gives an update of remedial activity for the real property located at the intersection of Mountain Boulevard and Werner Court at 2844 Mountain Boulevard in Oakland, Alameda County, California 94602 (Figure 1). The property is currently occupied by a retail gasoline station operating under the ARCO trade name. Site improvements include three underground storage tanks, two pump islands and an office/garage building. The tanks contain various grades of unleaded gasoline and diesel and have individual storage capacities of 3,000, 4,000, and 10,000 gallons.

Elevated concentrations of gasoline have been identified in both the soil and shallow groundwater at this site.

## 2.0 BACKGROUND

Soil contamination was originally identified during replacement of the product lines in March, 1989. Analytical results of soil samples collected from beneath the lines near the pump islands reported total petroleum hydrocarbons as gasoline (TPH) concentrations of less than 100 parts per million (ppm). Another sample from the southern edge of the premium unleaded tank contained a TPH concentration of 8,400 ppm. In July, 1989, On-Site Technologies excavated and disposed of contaminated soil from the southern end of the premium unleaded tank (On-Site Technologies technical report dated 8/31/89).

In May, 1990 RSI conducted further assessment of the site (RSI technical report dated July 25, 1990). Four groundwater monitoring wells (RS-1 through RS-4, Figure 2) were installed and sampled. Analysis of soil samples collected above the water table reported TPH concentrations ranging from 1 to 240 mg/Kg (ppm). TPH concentrations were detected in the groundwater samples collected from all the wells; the highest concentration (23 mg/L) was found in monitoring well RS-2 (Table 2).

Active remediation of soil contamination began at the site in June, 1991 using an RSI S.A.V.E.<sup>TM</sup> System to vacuum extract gasoline hydrocarbons from the soil. Groundwater remediation began in October, 1991. Active remediation was suspended between February, 1992 and February, 1994; the S.A.V.E.<sup>TM</sup> System is currently in operation ten hours a day at the site.

### 3.0 GROUNDWATER MONITORING

#### 3.1 Groundwater Monitoring Procedures

On August 25, 1994, groundwater monitoring wells RS-1, RS-2, RS-3 and RS-4, were measured for depth to water and checked for the presence of free product (Table 1). The wells were measured to an accuracy of 0.01 feet and the measuring point for each well was the top of the sleeve of the well casing from a notched point on the north side. After measuring, the wells were purged with a Rediflo pump and sampled. The pump and hoses were decontaminated between wells using a standard 3-bucket wash method with TSP. The wells were purged until dry or three well volumes had been removed. The purged water was monitored for temperature, conductivity and pH. These measurements along with all other pertinent data were recorded on Water Sample Logs (Appendix A).

After the wells had recharged a minimum of 80 percent, they were sampled using disposable bailers. The samples were sealed, labeled and placed on blue ice for transportation to Pace Environmental Laboratory, a state certified laboratory in Camarillo, California. All samples were analyzed for TPH as gasoline using modified EPA Method 8015M and for benzene, toluene, ethyl-benzene and xylenes (BTEX) using EPA Method 8020/602. The laboratory reports are contained in Appendix B.

#### 3.2 Groundwater Monitoring Results

As reported on Table 1, depth to groundwater on the site ranged between 5.86 and 22.11 feet below ground surface (bgs). Groundwater gradient was calculated to be approximately 0.194 across the site with groundwater flow in a generally southwesterly direction. The steep gradient suggests influence by the S.A.V.E.™ System pumping from extraction wells RS-1 and RS-2, and/or local off-site pumping operations. A contour map of groundwater elevations is included as Figure 3.

Analytical results for the samples collected during this sampling episode and all previous monitoring episodes are summarized in Table 2. The official laboratory results and Chain-of-Custody documents are included in Appendix B. As reported on Table 2, hydrocarbon concentrations have decreased significantly in all four wells since the previous quarterly sampling in May, 1994.

### 4.0 REMEDIATION UPDATE

Vapor extraction and treatment began in June, 1991 with the installation of RSI's S.A.V.E.™ System. Groundwater extraction and treatment began in October, 1991. Groundwater was pumped from wells RS-1 and RS-2 and treated with the S.A.V.E.™ equipment. Due to noise complaints from neighboring residents, the system was operated only sporadically. Remedial operations were suspended on

February 10, 1992, due to Desert Petroleum's filing bankruptcy. Up to that date, the system had removed a calculated 170.5 gallons of hydrocarbons by both vapor and groundwater extraction.

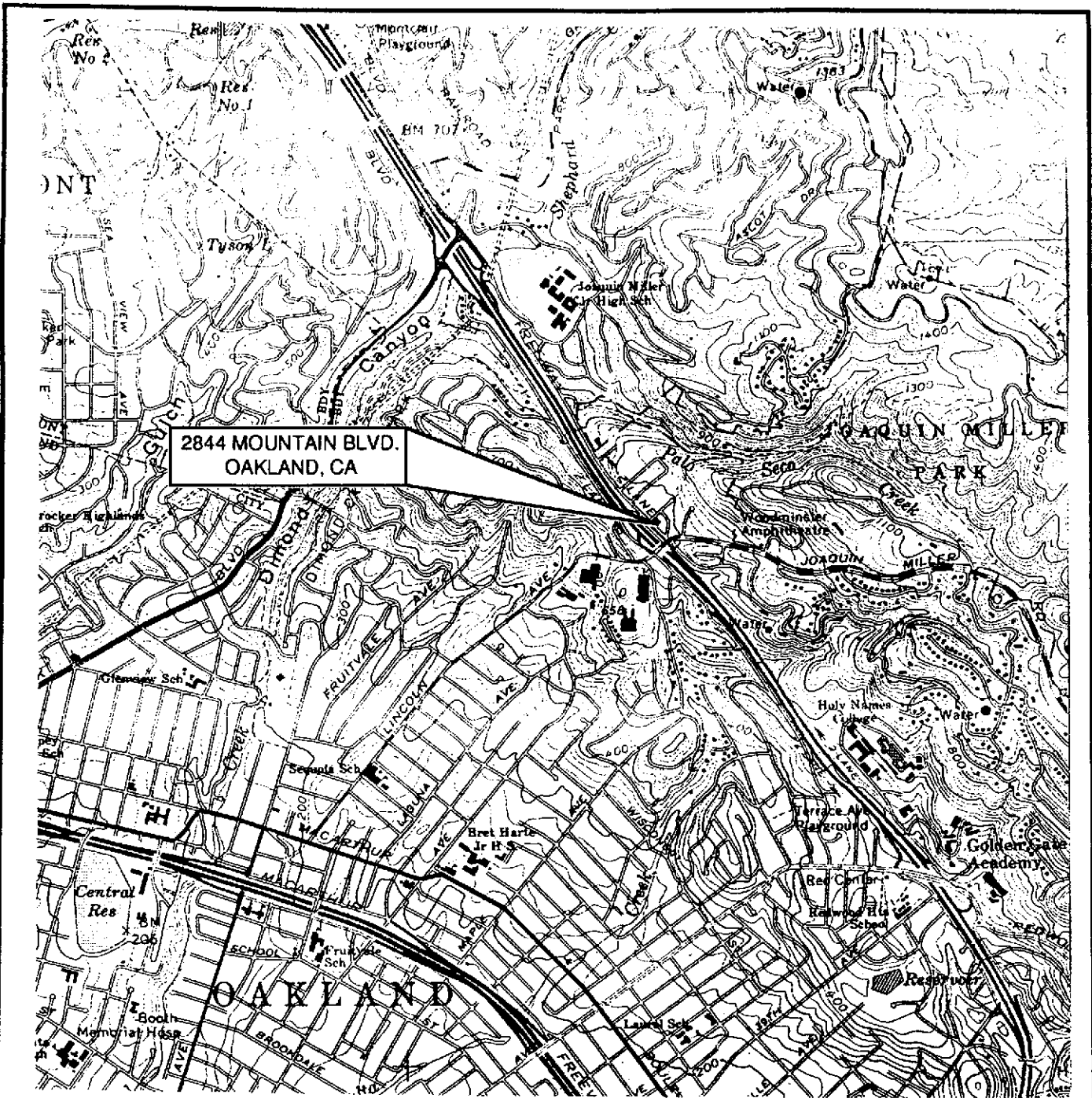
The S.A.V.E.<sup>TM</sup> System was restarted the February, 1994 for vapor extraction. Groundwater extraction will resume upon receipt of operating permits. The system operates only during daytime hours to comply with residential noise constraints and is maintained and monitored on a weekly basis. ~~As of August, 1994, the system has removed approximately 25 gallons of hydrocarbons from subsurface soils this year.~~ The most recent vapor inlet sample from August 31, 1994 revealed a TPH concentration of 430 ppmv. An operation summary with TPH vapor concentrations for 1994 is included as Table 3. The location of the remediation equipment is included as Figure 4.

## 5.0 LIMITATIONS

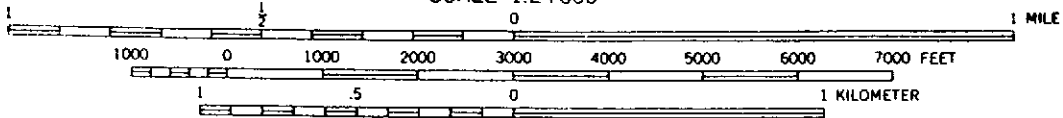
The discussion, conclusion and any recommendations presented in this report are based on the professional performance of the personnel who conducted the investigations, the observations of the field personnel, the results of laboratory analyses performed by a state certified laboratory, any referenced documents and our understanding of the regulations of the State of California; also, if applicable, other local regulations.

Variations in the soil and groundwater conditions may exist beyond the points explored in this investigation.

The services performed by Remediation Service, Int'l. have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the State of California. No other warranty, expressed or implied, is made.



SCALE 1:24 000



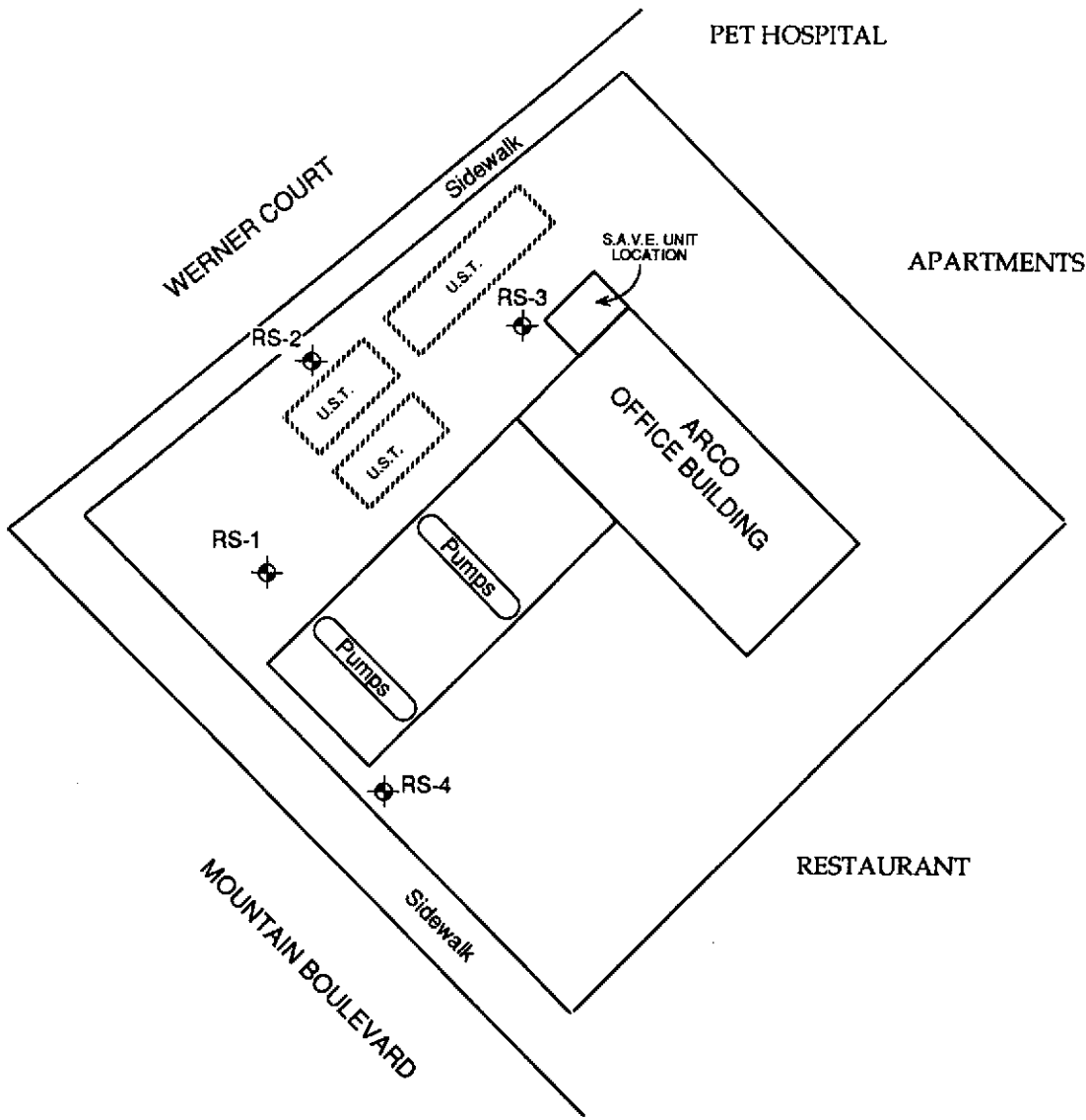
FROM U.S.G.S. 7.5' TOPOGRAPHIC  
 QUADRANGLE "OAKLAND EAST,  
 CALIFORNIA," 1959, PHOTOREVISED  
 1980



2844 MOUNTAIN BLVD.  
 OAKLAND, CA

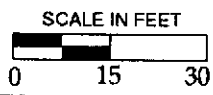
FIGURE 1: LOCATION MAP

RSI - REMEDIATION SERVICE, INT'L



**LEGEND**

 MONITORING WELL LOCATION

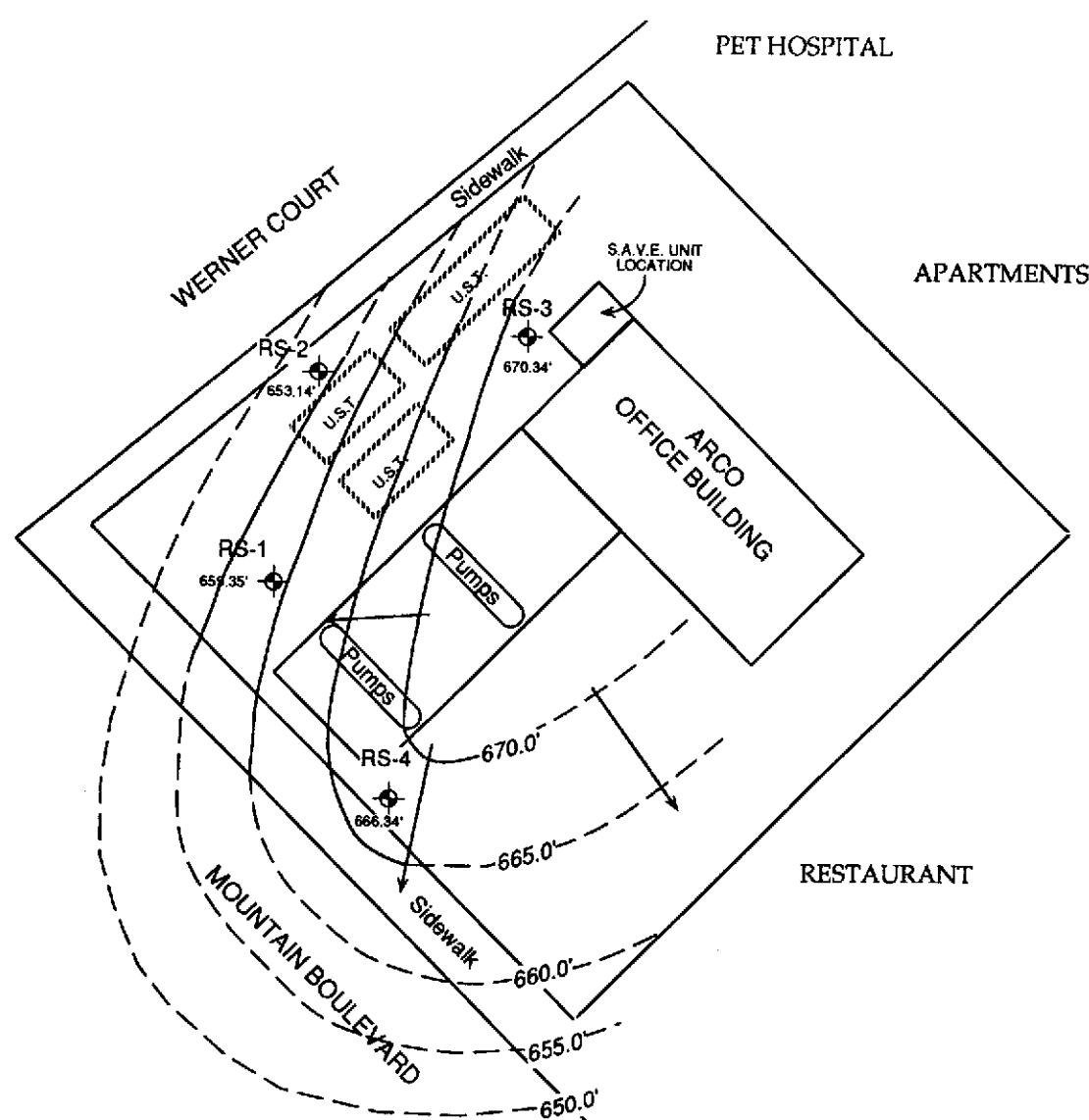
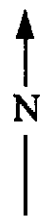


2844 MOUNTAIN BLVD.  
OAKLAND, CALIFORNIA

FIGURE 2: SITE MAP

**RSI** REMEDIATION SERVICE, INT'L.

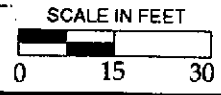




**LEGEND**

668.00 GROUNDWATER CONTOUR LINE

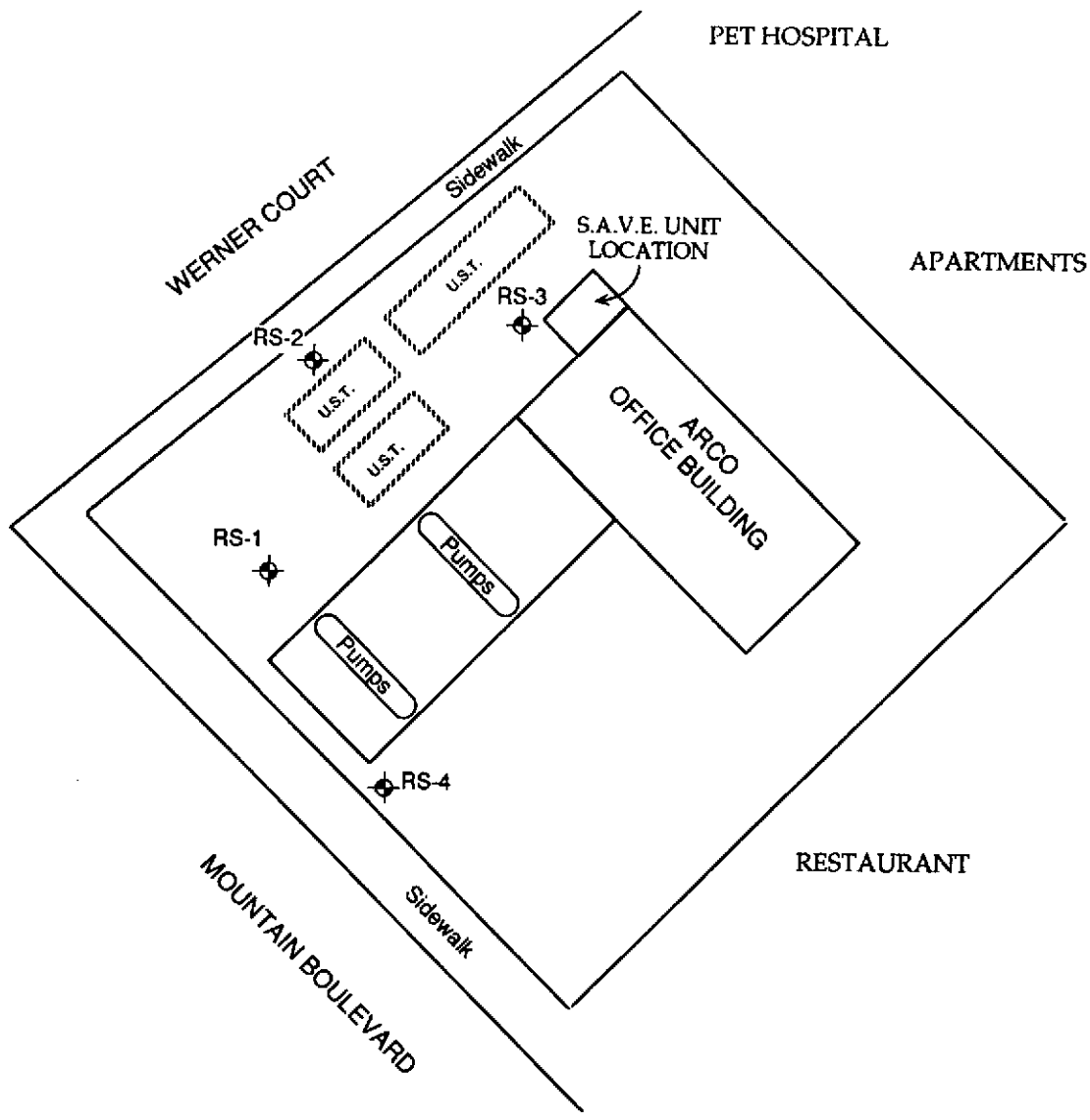
RS-4  
MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL.



2844 MOUNTAIN BLVD.  
OAKLAND, CALIFORNIA

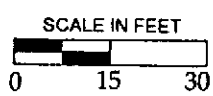
FIGURE 3: GROUNDWATER ELEVATION MAP  
AUGUST 25, 1994

RSI REMEDIATION SERVICE, INT'L.



**LEGEND**

 MONITORING WELL LOCATION



2844 MOUNTAIN BLVD.  
OAKLAND, CALIFORNIA

FIGURE 4: REMEDIATION EQUIPMENT  
LOCATION MAP

RSI REMEDIATION SERVICE, INT'L.

**TABLE 1  
GROUNDWATER ELEVATION DATA**

**2844 MOUNTAIN BLVD.  
OAKLAND, CA**

Measurements are in feet.

Well	Date Measured	Depth to Water*	Well Head Elevation**	Water Table Elevation**	Change in Elevation
RS-1	5/90	7.20	689.25	682.05	
	5/91	8.35		680.90	-1.15
	10/91	10.22	689.17	678.95	—
	1/92	8.06		681.11	2.16
	1/93	5.30		683.87	2.76
	8/93	8.56		680.61	-3.26
	11/93	8.44		680.73	0.12
	1/94	6.88		682.29	1.56
	5/94	7.87	675.63	667.76	—
	8/94	16.28		659.35	-8.41
RS-2	5/90	7.06	689.00	681.94	
	5/91	7.14		681.86	-0.08
	10/91	8.84	688.89	680.05	—
	1/92	7.34		681.55	1.50
	1/93	4.10		684.79	3.24
	8/93	7.32		681.57	-3.22
	11/93	7.34		681.55	-0.02
	1/94	5.52		683.37	1.82
	5/94	6.40	675.25	668.85	—
	8/94	22.11		653.14	-15.71
RS-3	5/90	6.00	690.00	684.00	
	5/91	6.76		683.24	-0.76
	10/91	8.98		681.02	-2.22
	1/92	6.81		683.19	2.17
	1/93	4.05		685.95	2.76
	8/93	7.19		682.81	-3.14
	11/93	7.12		682.88	0.07
	1/94	5.42		684.58	1.70
	5/94	5.78	676.20	670.42	—
	8/94	5.86		670.34	-0.08
RS-4	5/90	8.34	689.06	680.72	
	5/91	9.50		679.56	-1.16
	10/91	10.82	689.10	678.28	—
	1/92	9.31		679.79	1.51
	1/93	6.89		682.21	2.42
	8/93	9.68		679.42	-2.79
	11/93	9.83		679.27	-0.15
	1/94	8.17		680.93	1.66
	5/94	8.69	675.38	666.69	—
	8/94	9.04		666.34	-0.35

\*Depth of water measured from top of well cover.

\*\*Elevations are in feet above mean sea level.

Well Head Elevations surveyed 5/94 to City of Oakland Bench Mark #2804

Bench Mark elevation = 676.08', based on USGS Sea Level Datum 1929.

TABLE 2

## SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

2844 MOUNTAIN BLVD.  
OAKLAND, CA

Results are in µg/L (parts per billion).

WELL #	DATE SAMPLED	TPH	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
RS-1	5/90	2,700	370	420	40	320
	5/91	1,300	580	130	62	240
	10/91	1,100	140	100	45	210
	1/92	1,700	9.9	31	9.7	170
	1/93	3,700	650	9.2	51	170
	8/93	900	14	0.6	2.1	7.8
	11/93	1,400	9.6	ND	0.9	4.9
	1/94	4,200	95	3.1	58	130
	5/94	7,500	270	11	37	96
	8/94	130	12	0.5	2.6	4.7
RS-2	5/90	23,000	7,200	4,800	300	3,300
	5/91	26,000	14,000	1,800	750	2,900
	10/91	13,000	4,300	910	300	2,300
	1/92	8,300	1,800	920	140	1,700
	1/93	41,000	7,000	210	1,200	4,200
	8/93	19,000	5,300	62	810	1,600
	11/93	9,300	2,400	3.9	46	800
	1/94	30,000	4,900	ND	880	2,600
	5/94	120,000	3,300	330	ND	2,200
	8/94	510	57	3.8	3.5	32
RS-3	5/90	330	2	1	1	150
	5/91	ND	0.4	ND	0.8	8.2
	10/91	ND	ND	ND	ND	ND
	1/92	ND	2.2	7.2	0.6	3.6
	1/93	ND	ND	ND	ND	ND
	8/93	ND	30	6	2.4	5
	11/93	ND	4.8	0.4	0.6	1.9
	1/94	330	25	3.2	3.9	12
	5/94	670	34	4	28	70
	8/94	ND	ND	ND	ND	ND
RS-4	5/90	440	9	11	9	49
	5/91	ND	8	4	3	5
	10/91	830	280	120	24	170
	1/92	620	34	8.3	2.1	21
	1/93	150	32	1.7	5.8	13
	8/93	ND	0.9	0.7	ND	0.3
	11/93	ND	ND	ND	ND	ND
	1/94	ND	1.7	ND	0.81	2.2
	5/94	ND	ND	ND	ND	0.7
	8/94	420	6.5	4.1	1.9	40

TPH = Total petroleum hydrocarbons (gasoline)

ND = Not detected above minimum detection levels.

TABLE 3

## REMEDIAL SYSTEM PERFORMANCE DATA FOR 1994

2844 MOUNTAIN BLVD.  
OAKLAND, CA

SUMMARY OF OPERATIONS FOR	Feb-94	Mar-94	Apr-94	May-94	Jun-94	Jul-94	Aug-94	YTD-Summary
Period Beginning	2/8	2/23	3/31	4/28	5/24	6/29	7/28	2/8/94
Period Ending	2/23	3/31	4/28	5/24	6/29	7/28	8/31	8/31/94
Days in Period	15	36	28	26	36	30	34	204
Hour meter - begin	775.8	891.2	1217.4	1333	1397.2	1668.8	1973.0	—
Hour meter - end	891.2	1217.4	1333	1397.2	1668.8	1973.0	2241.2	—
Hours of Operation	115.4	326.2	115.6	64.2	271.6	304.2	268.2	1465.4
Percent Run Time	76.9%	90.6%	41.3%	24.7%	75.4%	100.0%	78.9%	71.8%
Total Pounds of HC's Removed	2.6	6.2	3.9	2.3	57.3	53.3	14.1	139.6
Total Gallons of HC's Removed	0.5	1.1	0.7	0.4	10.4	9.7	2.6	ND
TPH Concentration of Vapors (ppm-v)	190	330	290	290	1800	1400	430	—
Average Vapor Flowrate from wells (cfm)	9.2	4.5	10	10	10	10	10	9
Average Vacuum on wells ("H2O)	24	24	50	50	48	48	40	41
Average Ambient Temperature (°F)	60	60	70	75	76	69	64	68
Total Pounds of HC's Removed from vapor	2.6	6.2	3.9	2.2	57.0	50.3	14.1	136.3
Total Gallons of HC's Removed from vapor	0.5	1.1	0.7	0.4	10.4	9.1	2.6	24.8
Water Flow Meter - begin	7909.4	7909.4	7909.4	7909.4	8000	8244	11227	—
Water Flow Meter - end	7909.4	7909.4	7909.4	8000	8244	11227	13366	—
Gallons of Water Treated	0	0	0	90.6	244	2983	2139	5456.6
TPH Concentration of Water (ppm)	30	30	30	120	120	120	0.51	—
Pounds of HC's Removed from Water	0.0000	0.0000	0.0000	0.0907	0.2443	2.9870	0.0091	3.3311
Gallons of HC's Removed from Water	0.0000	0.0000	0.0000	0.0165	0.0444	0.5424	0.0017	ND

NOTE: Percent run time based operation of only 10 hours/day

No water sample collected in 2/94, 3/94 &amp; 4/94, 6/94 &amp; 7/94. TPH concentration used in calculation from earliest prior sampling.

No vapor inlet sample collected in 5/94. TPH concentration used in calculation from earliest prior sampling.

Average Vapor Flowrate on wells 5/94, 7/94 &amp; 8/94 from earliest prior reading.

Average Vacuum on wells 3/94 from earliest prior reading.

Average Ambient Temp. 2/94 &amp; 3/94 from earliest prior reading.

ND = Not detected above minimum detection levels.

# WATER SAMPLE LOG

DATE: 8/25/94

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-1

WEATHER CONDITIONS: Sunny, warm

FIELD OBSERVATIONS: Well box in good condition. Leak in hose on remediation system.

TOTAL DEPTH OF WELL: 31.50 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 18.6 gallons

DEPTH TO WATER: 16.28 feet PURGING METHOD: Rediflo pump

DEPTHS MEASURED FROM: Top of well casing, north side.

## WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance ( $\mu$ mhos/cm)	Comments
12:40	5	8.84	76.6	0.63	V. silty, slt. odor
12:42	10	7.40	76.3	0.58	Sl. silty, slt. odor
12:44	15	7.44	76.5	0.59	Sl. silty, slt. odor
12:46	20	7.38	76.7	0.59	Sl. silty, slt. odor
12:48	25	7.40	76.6	0.59	Sl. silty, slt. odor

TOTAL DISCHARGE: 56 gallons WELL VOLUMES REMOVED: 3.0

TIME SAMPLE COLLECTED: 2:49 PM

DEPTH TO WATER AT TIME OF SAMPLE: 17.62 feet PERCENT RECHARGE: 91


METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Clear

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 4 x 40 ML VOA's

SAMPLE TRANSPORTED TO: Pace Environmental Laboratory

SAMPLED BY: DW

  
**REMEDATION SERVICE, INT'L.**  
2060 KNOLL DR., SUITE 200, VENTURA, CA 93003  
(805) 644-5892 • FAX (805) 654-0720

# WATER SAMPLE LOG

DATE: 8/25/94

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-2

WEATHER CONDITIONS: Sunny, warm

FIELD OBSERVATIONS: Well box in good condition.

TOTAL DEPTH OF WELL: 24.50 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 2.9 gallons

DEPTH TO WATER: 22.11 feet PURGING METHOD: Rediflo pump

DEPTHS MEASURED FROM: Top of well casing, north side.

## WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance ( $\mu\text{mhos/cm}$ )	Comments
11:45	5	7.24	71.4	0.60	Murky, [REDACTED]
11:47	9	7.22	70.8	0.60	Murky, [REDACTED]

TOTAL DISCHARGE: 9 gallons WELL VOLUMES REMOVED: 3.1

TIME SAMPLE COLLECTED: 2:35 PM

DEPTH TO WATER AT TIME OF SAMPLE: 22.12 feet PERCENT RECHARGE: 100

METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Grey

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 4 x 40 ML VOA's

SAMPLE TRANSPORTED TO: Pace Environmental Laboratory

SAMPLED BY: DW

**DCI**  
**REMEDIATION SERVICE. INT'L.**  
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# WATER SAMPLE LOG

DATE: 8/25/94

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-3

WEATHER CONDITIONS: Sunny, warm

FIELD OBSERVATIONS: Well box in good condition.

TOTAL DEPTH OF WELL: 24.40 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 22.7 gallons

DEPTH TO WATER: 5.86 feet PURGING METHOD: Rediflo pump

DEPTHS MEASURED FROM: Top of well casing, north side.

## WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance ( $\mu\text{mhos/cm}$ )	Comments
12:10	5	7.57	76.4	0.59	Clear, no odor
12:12	10	7.30	78.7	0.57	Clear, no odor
12:14	15	7.35	78.6	0.57	Clear, no odor
12:16	20	7.35	77.7	0.59	Clear, no odor
12:18	25	7.35	77.6	0.59	Dry

TOTAL DISCHARGE: 68 gallons WELL VOLUMES REMOVED: 3.0

TIME SAMPLE COLLECTED: 2:30 PM

DEPTH TO WATER AT TIME OF SAMPLE: 8.20 feet PERCENT RECHARGE: 87

METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Clear

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 4 x 40 ML VOA's

SAMPLE TRANSPORTED TO: Pace Environmental Laboratory

SAMPLED BY: DW

**BCI**  
**REMEDATION SERVICE, INT'L.**  
2060 KNOLL DR., SUITE 200, VENTURA, CA 93003  
(805) 644-5892 • FAX (805) 654-0720



# WATER SAMPLE LOG

DATE: 8/25/94

LOCATION: 2844 Mountain Blvd., Oakland, CA

WELL NUMBER: RS-4

WEATHER CONDITIONS: Sunny, warm

FIELD OBSERVATIONS: Well box in good condition.  
Slow recharge.

TOTAL DEPTH OF WELL: 25.96 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE ONE WELL VOLUME = 20.7 gallons

DEPTH TO WATER: 9.04 feet PURGING METHOD: Rediflo pump

DEPTHS MEASURED FROM: Top of well casing, north side.

## WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance ( $\mu$ mhos/cm)	Comments
12:05	5	7.11	76.0	0.59	Clear, <del>strong</del> odor
12:07	10	7.23	75.7	0.60	Clear, <del>strong</del> odor
12:09	15	7.28	76.1	0.59	Clear, <del>strong</del> odor
12:11	20	7.26	76.0	0.59	Clear, <del>strong</del> odor
12:13	25	7.30	76.0	0.60	Clear, <del>strong</del> odor
12:15	30	7.28	76.0	0.60	Clear, <del>strong</del> odor

TOTAL DISCHARGE: 51 gallons WELL VOLUMES REMOVED: 2.5

TIME SAMPLE COLLECTED: 2:43 PM

DEPTH TO WATER AT TIME OF SAMPLE: 20.04 feet PERCENT RECHARGE: 35

METHOD OF SAMPLE COLLECTION: Disposable Bailer

APPEARANCE OF SAMPLE: Clear

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 4 x 40 ML VOA's

SAMPLE TRANSPORTED TO: Pace Environmental Laboratory

SAMPLED BY: DW



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(805) 644-5892 • FAX (805) 654-0720

APPENDIX B  
LABORATORY REPORTS  
AND  
CHAIN OF CUSTODY

HELP LABS JOB #:

Client Name: RSI

Sample Matrix: WATER  
Sample I.D: SEE UNDER SAMPLE I. D. COLUMN  
Lab Number: 000755-000758

Client Reference: DP 796  
Date Sampled: 08/25/94  
Date Extracted: NA  
Date Analyzed: 09/08/94

**VOLATILE ORGANIC COMPOUNDS E.P.A. METHOD 8260** **TPH GASOLINE BY MS DETECTOR**

WATER *MDL SAMPLE I. D.	DF	0.3 BENZENE	0.3 TOLUENE	0.3 E. BENZENE	0.6 T. XYLENE	40 T. P. H. G.	ug/L UNITS
RS-1	1	12	0.5	2.6	4.7	130	ug/L
RS-2	1	7.3	3.8	3.5	32	510	ug/L
RS-3	1	ND	ND	ND	ND	ND	ug/L
RS-4	1	6.5	4.1	1.9	40	420	ug/L



Russell Teague, Laboratory Director  
Certificate Number: E.L.A.P. #1966

THE TEST RESULTS REPORTED REPRESENT ONLY THE ITEMS BEING TESTED AND MAY NOT REPRESENT THE ENTIRE MATERIAL FROM WHICH THE SAMPLE WAS TAKEN

DF = Dilution Factor  
ND = Not Detected

BQL = Below Practical Quantitation Limit  
PQL = Practical Quantitation Limit

\*MDL (METHOD DETECTION LIMIT) = MDL X DF



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# Chain of Custody

• PLEASE PRINT IN PEN

644-5892

Client RSI Contact Heather Davis Phone # (805) 654-654 FAX # (805) 654-0726  
 Address 2600 Knoll DR STE 200 City Ventura State CA Zip \_\_\_\_\_  
 Project Name/Number DP796 Project MGR R. PILAT  
 Bill (if different than above) \_\_\_\_\_ Address \_\_\_\_\_  
 Sampler (Print and sign) John Jansen John Jansen Due Date \_\_\_\_\_ Circle for RUSH\* \_\_\_\_\_ Copies To: \_\_\_\_\_ Auth. Init. \_\_\_\_\_

Sample Description	Date/Time Coll'd	Matrix	# of Containers	Pres.	Filt. y/n	Subject to Availability Analysis	Remarks	Lab ID #
RS-1 755	8/25/94	GW	4	Y	W	2015 gas / 8020 BTEX		
RS-2 756	/	↓	↓	↓	↓	↓		
RS-3 752	/	↓	↓	↓	↓	↓		
RS-4 758	/	↓	↓	↓	↓	↓		
0	/							
1	/							

Relinquished By	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>John Jansen</u>	<u>8/26/94</u>	<u>[Signature]</u>	<u>Heather Davis</u>	<u>8/29/94</u>	<u>[Signature]</u>

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)
				Cold Sealed Intact

REMARKS \_\_\_\_\_

- \* Matrix:
- DW - Drinking Water
  - WW - Wastewater
  - GW - Groundwater
  - SW - Surface Water
  - IM - Impinger
  - FI - Filter
  - FP - Free Product
  - AG - Air/Gas
  - SL - Sludge/Soil/Solid
  - OT - Other