Texaco Refining
and Marketing Inc

100 Clifton Blvd
Richmond CA 94804

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November 12, 1993

ENV - STUDIES, SURVEYS & REPORTS
Former Texaco Service Station
930 Springtown, Livermore, CA

Ms. Eva Chu
Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Dear Ms. Chu:

Enclosed is a copy of the Quarterly Groundwater Monitoring Letter Report, dated November 2, 1993, for the subject site.

Questions regarding this matter may be directed to me at (510) 236-9139.

Best Regards,

Karen E. Petryna
Environmental Project Coordinator
Texaco Environmental Services

KEP:hs
930 A:\QTRCVR.EC

Enclosure

cc: Case Worker - California Regional Water Quality Control Board
Mr. Bob Vasquez - Southland Corporation

RRZielinski

PR:

RESNA
Working To Restore Nature

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

# LETTER REPORT
# QUARTERLY GROUNDWATER MONITORING AND SAMPLING
Third Quarter 1993
at
Former Texaco Station
930 Springtown Boulevard
Livermore, California

62090.01

RESNA
Working To Restore Nature

3315 Almaden Expressway, Suite 34
San Jose, CA 95118
Phone: (408) 264-7723
FAX: (408) 264-2435

November 2, 1993
62090.01

Ms. Karen Petryna
Texaco Environmental Services
108 Cutting Boulevard
Richmond, California 94804

Subject: Results of Groundwater Monitoring and Sampling, Third Quarter 1993, Former Texaco Station located at 930 Springtown Boulevard, Livermore, California.

Ms. Petryna:

At the request of Texaco Environmental Services (TES), RESNA Industries Inc. (RESNA) has prepared this letter report which summarizes the results of quarterly groundwater monitoring at the former Texaco Service Station located at 930 Springtown Boulevard in Livermore, California (Plate 1, Site Vicinity Map) for the third quarter 1993 (July through September 1993). On August 9, 1993, quarterly groundwater monitoring and sampling was conducted to evaluate groundwater elevations, gradient and flow direction, the presence and thickness of any petroleum hydrocarbon sheen or floating product, and the distribution of dissolved hydrocarbons in seven groundwater monitoring wells (MW-1, MW-3, MW-4, MW-5, MW-6, MW-A, and MW-B) associated with this site. On August 9, 1993, hydrocarbon sheen was detected in purgewater from wells MW-A and MW-B, therefore these wells were not sampled for laboratory analysis. RESNA's groundwater sampling protocol and well purge data sheets are included in Appendix A.

## WORK PERFORMED

### GROUNDWATER MONITORING

Groundwater elevations at the site have decreased an average of 1.67 feet in wells MW-A, MW-B, MW-1, MW-3, MW-4, and MW-5 from the elevations reported last quarter (May 5, 1993). The groundwater gradient map shows the groundwater beneath the site to be flowing towards the northeast with a hydraulic gradient of approximately 0.005 (Plate 2, Groundwater Gradient Map). Historical and recent monitoring data are summarized in

Table 1, Cumulative Groundwater Monitoring Data.

## GROUNDWATER SAMPLING

Groundwater samples were submitted to Mobile Chem Laboratories (California Hazardous Materials Testing Laboratory Certification No. 1223) in Martinez, California under Chain of custody protocol. The samples were analyzed for the gasoline constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPHg) using modified Environmental Protection Agency (EPA) Methods 5030 and TPH LUFT with Method 602.

## GROUNDWATER ANALYTICAL RESULTS

Concentrations of TPHg in groundwater samples collected ranged from less than 50 parts per billion (ppb) to 2,300 ppb (MW-5). Dissolved benzene concentrations in groundwater samples collected ranged from less than 0.5 ppb to 180 ppb (MW-5). TPHg and benzene concentrations are shown on Plate 3, TPHg/Benzene Concentrations in Groundwater. Historical and recent analytical data are summarized in Table 2, Cumulative Results of Laboratory Analyses of Groundwater Samples. Copies of the laboratory analyses reports and the chain of custody manifest for the groundwater samples are included in Appendix B.

## PURGE WATER DISPOSAL

Approximately 120 gallons of water generated during purging and sampling of the 5 monitoring wells was removed after sampling, and transported on August 18, 1993, to Gibson Environmental in Redwood City, California for recycling.

RESNA
*Working to Restore Nature*

Third Quarter 1993 Quarterly Report — November 2, 1993
930 Springtown Boulevard, Livermore, California — 62090.01

If you have any questions or comments regarding this report, please call (408) 264-7723.

Sincerely,
RESNA Industries Inc.

Robin A. Adair
Geologic Technician

REGISTERED GEOLOGIST
JAMES LEWIS NELSON
No. 1463
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

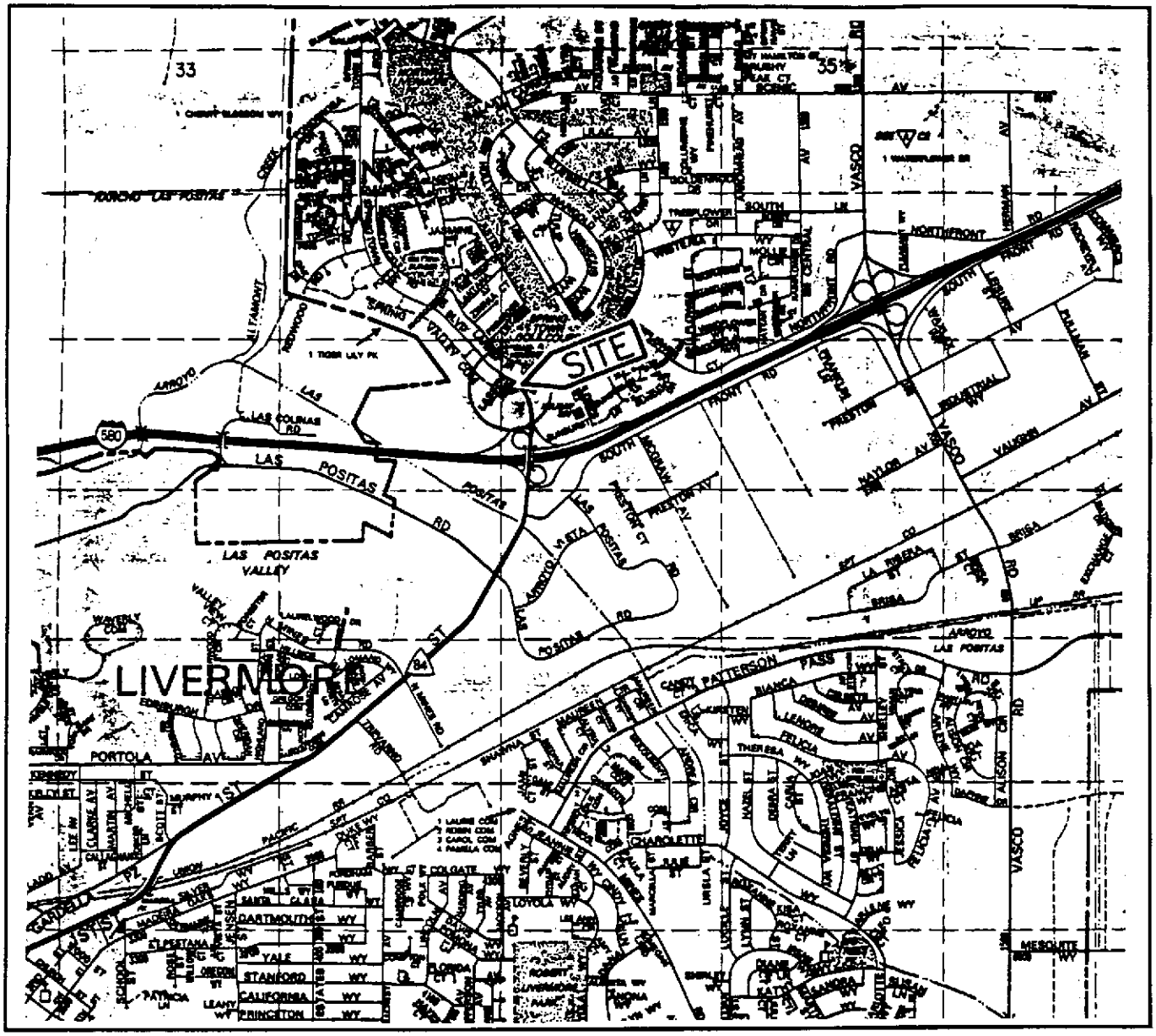
James L. Nelson
Certified Engineering Geologist No. 1463

Enclosures:

Plate 1: Site Vicinity Map
Plate 2: Groundwater Gradient Map
Plate 3: TPHg/Benzene Concentrations in Groundwater

Table 1: Cumulative Groundwater Monitoring Data
Table 2: Cumulative Results of Laboratory Analyses of Groundwater Samples

Appendix A, Groundwater Sampling Protocol and Well Purge Data Sheets
Appendix B, Laboratory Analysis Reports and Chain of Custody Documentation




Base: The Thomas Guide
Alameda County
Livermore, California.
Photorevised 1991

LEGEND

◉ = Site Location

Approximate Scale

2200 1100 0 2200 4400

feet

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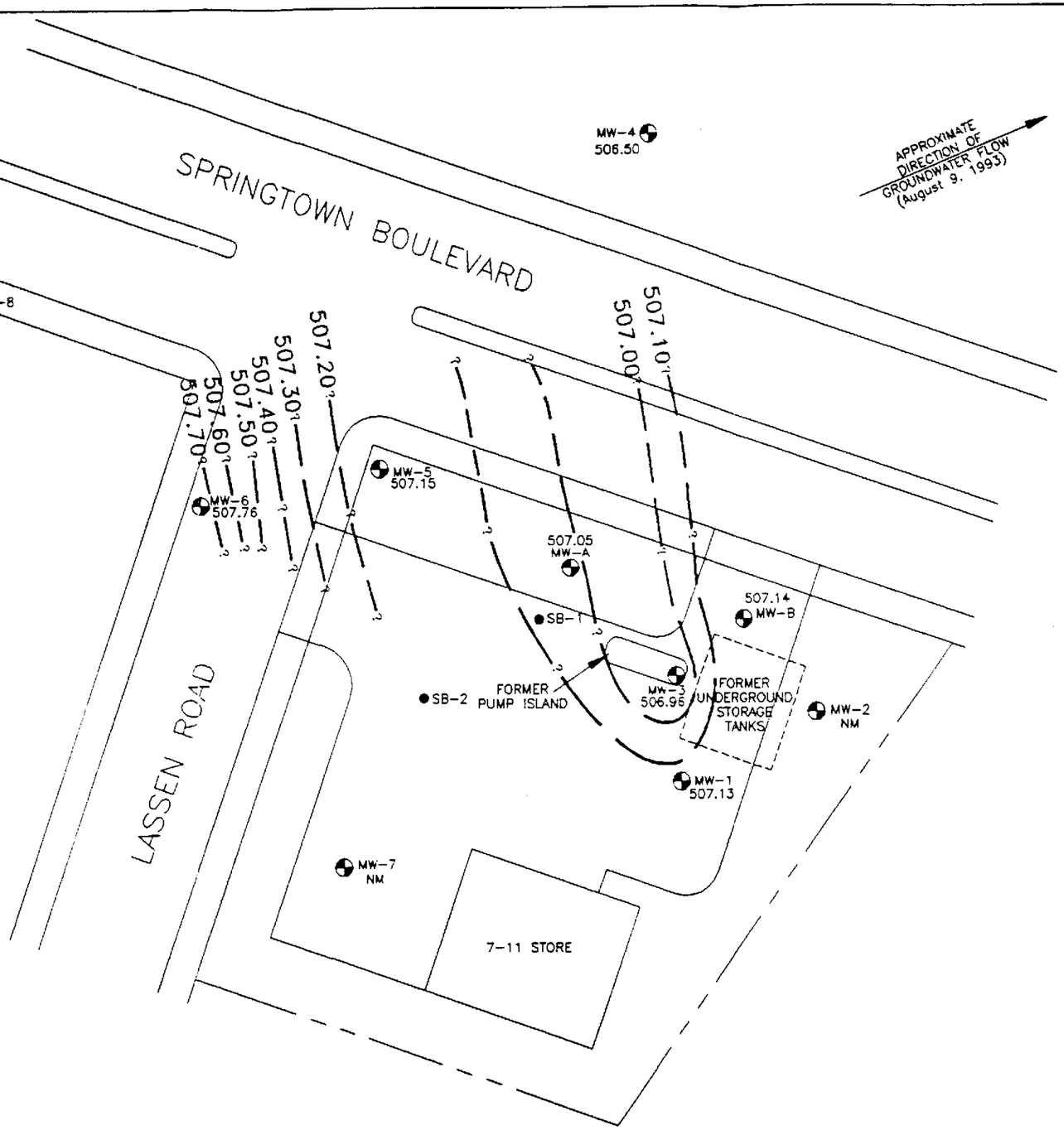
SITE VICINITY MAP
Former Texaco Station
930 Springtown Boulevard
Livermore, California

PLATE
1




EXPLANATION

MW-8 = Groundwater monitoring well (GTI)

SB-2 = Soil boring (GTI)

507.70 = Line of equal elevation of groundwater in feet above mean sea level (MSL)

507.76 = Elevation of groundwater in feet above MSL August 9, 1993

NM = Not monitored

N

Approximate Scale

40 20 0 40 80

feet

Source: Modified from site plan provided by Groundwater Technology, Inc., dated April 22, 1992.

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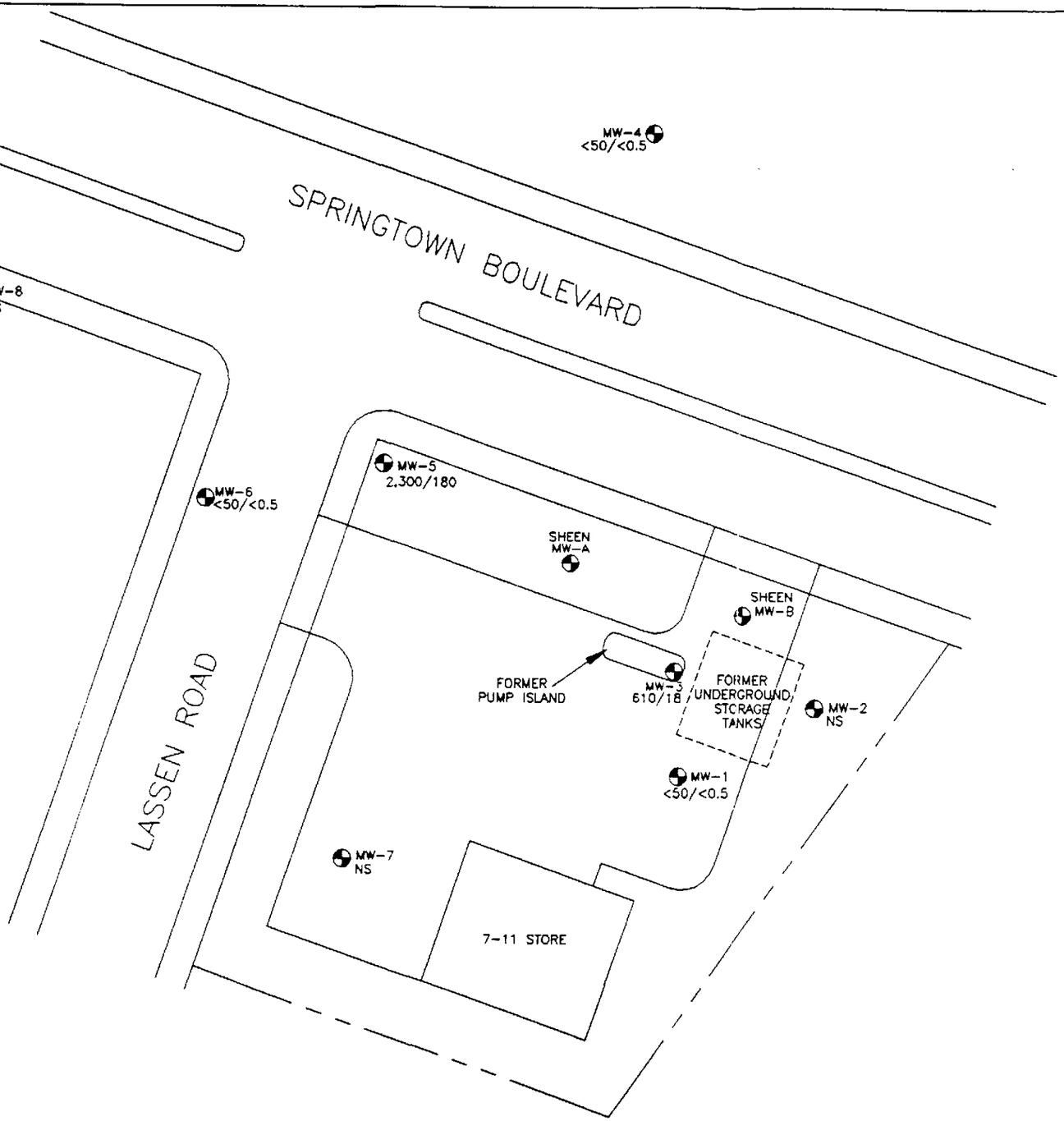
GROUNDWATER GRADIENT MAP
Former Texaco Station
930 Springtown Boulevard
Livermore, California

PLATE 2




EXPLANATION

MW-8 = Groundwater monitoring well (GTI)

2,300/180 = Concentration of TPHg/Benzene in groundwater, in parts per billion, August 9, 1993

NS = Not sampled

N

Approximate Scale

40 20 0 40 80

feet

Source: Modified from site plan provided by Groundwater Technology, Inc., dated April 22, 1992.

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PROJECT 62090.01

**TPHg/BENZENE CONCENTRATIONS IN GROUNDWATER**
**Former Texaco Station**
**930 Springtown Boulevard**
**Livermore, California**

PLATE 3

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 1 of 4)

| Well | Date | Elevation of Wellhead | Depth to Water | Elevation of Groundwater | Floating Product |
|---|---|---|---|---|---|
| MW-A | | | | | |
| GTI | 01/10/91 | 519.85 | 13.28 | 506.57 | — |
| | 04/04/91 | | 12.12 | 507.73 | — |
| | 07/12/91 | | 12.95 | 506.90 | — |
| | 10/04/91 | | 13.98 | 505.87 | trace |
| | 01/02/92 | | 13.61 | 506.24 | — |
| | 04/02/92 | | 12.44 | 507.41 | — |
| RESNA | 07/21/92 | | 13.35 | 506.50 | — |
| | 10/09/92 | | 12.92 | 506.93 | SD |
| | 01/11/93 | | 11.78 | 508.07 | SD |
| | 05/05/93 | | 11.39 | 508.46 | SD |
| | 08/09/93 | | 12.80 | 507.05 | SD |
| MW-B | | | | | |
| GTI | 01/10/91 | 518.16 | 11.06 | 507.10 | — |
| | 04/04/91 | | 10.04 | 508.12 | — |
| | 07/12/91 | | 10.91 | 507.25 | — |
| | 10/04/91 | | 11.82 | 506.34 | trace |
| | 01/02/92 | | 11.27 | 506.89 | trace |
| | 04/02/92 | | 10.18 | 507.98 | — |
| RESNA | 07/21/92 | | 11.27 | 506.89 | — |
| | 10/09/92 | | 11.64 | 506.52 | SD |
| | 01/11/93 | | 9.65 | 508.51 | SD |
| | 05/05/93 | | 9.28 | 508.88 | SD |
| | 08/09/93 | | 11.02 | 507.14 | SD |
| MW-1 | | | | | |
| GTI | 01/10/91 | 520.76 | 13.80 | 506.96 | — |
| | 04/04/91 | | 12.70 | 508.06 | — |
| | 07/12/91 | | 13.55 | 507.21 | — |
| | 10/04/91 | | 14.52 | 506.24 | — |
| | 01/02/92 | | 14.11 | 506.65 | — |
| | 04/02/92 | | 12.98 | 507.78 | — |
| RESNA | 07/21/92 | | 13.92 | 506.84 | — |
| | 10/09/92 | | 14.25 | 506.51 | — |
| | 01/11/93 | | 12.30 | 508.46 | — |
| | 05/05/93 | | 11.88 | 508.88 | — |
| | 08/09/93 | | 13.63 | 507.13 | — |

See notes at page 4 of 4.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 2 of 4)

| Well | Date | Elevation of Wellhead | Depth to Water | Elevation of Groundwater | Floating Product |
|---|---|---|---|---|---|
| MW-2 | | | | | |
| GTI | 01/10/91 | 518.46 | 11.66 | 506.80 | --- |
| | 04/04/91 | | 10.61 | 507.85 | --- |
| | 07/12/91 | | 11.48 | 506.98 | --- |
| | 10/04/91 | | 12.35 | 506.11 | --- |
| | 01/02/92 | | 11.96 | 506.50 | --- |
| | 04/02/92 | | 10.89 | 507.57 | --- |
| RESNA | 07/21/92 | | 11.55 | 506.91 | --- |
| | 10/09/92 | | Not Monitored | | |
| | 01/11/93 | | Not Monitored | | |
| | 05/05/93 | | Not Monitored | | |
| | 08/09/93 | | Not Monitored | | |
| MW-3 | | | | | |
| GTI | 01/10/91 | 519.30 | 12.84 | 506.46 | --- |
| | 04/04/91 | | 11.71 | 507.59 | --- |
| | 07/12/91 | | 12.54 | 506.76 | --- |
| | 10/04/91 | | 13.47 | 505.83 | --- |
| | 01/02/92 | | 12.87 | 506.43 | --- |
| | 04/02/92 | | 11.97 | 507.33 | --- |
| RESNA | 07/21/92 | | 12.60 | 506.70 | --- |
| | 10/09/92 | | 12.93 | 506.37 | --- |
| | 01/11/93 | | 11.16 | 508.14 | --- |
| | 05/05/93 | | 10.72 | 508.58 | --- |
| | 08/09/93 | | 12.34 | 506.96 | --- |
| MW-4 | | | | | |
| GTI | 01/10/91 | 518.75 | 12.02 | 506.73 | --- |
| | 04/04/91 | | 10.72 | 508.03 | --- |
| | 07/12/91 | | 11.78 | 506.97 | --- |
| | 10/04/91 | | 12.30 | 506.45 | --- |
| | 01/02/92 | | 12.22 | 506.53 | --- |
| | 04/02/92 | | 11.03 | 507.72 | --- |
| RESNA | 07/21/92 | | 12.36 | 506.39 | --- |
| | 10/09/92 | | 12.40 | 506.35 | --- |
| | 01/11/93 | | 10.72 | 508.03 | --- |
| | 05/05/93 | | 10.21 | 508.54 | --- |
| | 08/09/93 | | 12.25 | 506.50 | --- |

See notes at page 4 of 4.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 3 of 4)

| Well | Date | Elevation of Wellhead | Depth to Water | Elevation of Groundwater | Floating Product |
|---|---|---|---|---|---|
| MW-5 | | | | | |
| GTI | 01/10/91 | 520.50 | 14.33 | 506.17 | — |
| | 04/04/91 | | 13.26 | 507.24 | — |
| | 07/12/91 | | 14.14 | 506.36 | — |
| | 10/04/91 | | 14.96 | 505.54 | — |
| | 01/02/92 | | 14.56 | 505.94 | — |
| | 04/02/92 | | 13.58 | 506.92 | — |
| RESNA | 07/21/92 | | 13.77 | 506.73 | — |
| | 10/09/92 | | 14.09 | 506.41 | — |
| | 01/11/93 | | 12.24 | 508.26 | — |
| | 05/05/93 | | 11.90 | 508.60 | — |
| | 08/09/93 | | 13.35 | 507.15 | — |
| MW-6 | | | | | |
| GTI | 01/10/91 | 522.26 | 16.31 | 505.95 | — |
| | 04/04/91 | | 15.19 | 507.07 | — |
| | 07/12/91 | | NR | NR | NR |
| | 10/04/91 | | 16.90 | 505.36 | — |
| | 01/02/92 | | 16.64 | 505.62 | — |
| | 04/02/91 | | 15.61 | 506.65 | — |
| RESNA | 07/21/92 | | 15.53 | 506.73 | — |
| | 10/09/92 | | 15.69 | 506.57 | — |
| | 01/11/93 | | Not Monitored | | |
| | 05/05/93 | | Not Monitored | | |
| | 08/09/93 | | 14.50 | 507.76 | — |
| MW-7 | | | | | |
| GTI | 01/10/91 | 522.17 | 9.07 | 513.10 | — |
| | 04/04/91 | | 7.59 | 514.58 | — |
| | 07/12/91 | | 9.26 | 512.91 | — |
| | 10/04/91 | | 10.53 | 511.64 | — |
| | 01/02/92 | | 11.17 | 511.00 | — |
| | 04/02/92 | | 10.34 | 511.83 | — |
| RESNA | 07/21/92 | | 9.02 | 513.15 | — |
| | 10/09/92 | | Not Monitored | | |
| | 01/11/93 | | Not Monitored | | |
| | 05/05/93 | | Not Monitored | | |
| | 08/09/93 | | Not Monitored | | |
| MW-8 | | | | | |
| GTI | 01/10/91 | 524.04 | 18.03 | 506.01 | — |

See notes at page 4 of 4.

TABLE 1
CUMULATIVE GROUNDWATER MONITORING DATA
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 4 of 4)

| Well | Date | Elevation of Wellhead | Depth to Water | Elevation of Groundwater | Floating Product |
|---|---|---|---|---|---|
| MW-8 cont | 04/04/91 | | 17.01 | 507.03 | --- |
| | 07/12/91 | | 17.82 | 506.22 | --- |
| | 10/04/91 | | 18.70 | 505.34 | --- |
| | 01/02/92 | | 18.42 | 505.62 | --- |
| | 04/02/92 | | 17.39 | 506.65 | --- |
| RESNA | 07/21/92 | | 14.02 | 510.02 | --- |
| | 10/09/92 | | Not Monitored | | |
| | 01/11/93 | | Not Monitored | | |
| | 05/05/93 | | Not Monitored | | |

Datum Mean Sea Level (MSL)
Measurements in feet.
Depth to water measured in feet below top of casing.

| | | |
|---|---|---|
| --- | : | None Present. |
| GTI | : | Monitored by Groundwater Technology, Inc. |
| RESNA | : | RESNA Industries Inc. began monitoring. |
| NR | : | No Record. |
| SD | : | Sheen detected in purge water. |

RESNA assumes all wells are screened within the same hydrostratigraphic unit, as identified by the previous consultant.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 1 of 4)

| Well | Date | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes |
|---|---|---|---|---|---|---|
| MW-A | | | | | | |
| GTI | 01/10/91 | 50,000 | 1,900 | 3,700 | 2,600 | 8,300 |
| | 04/04/91 | 31,000 | 950 | 1,100 | 1,300 | 2,900 |
| | 07/12/91 | 100,000 | 2,000 | 4,200 | 4,600 | 13,000 |
| | 10/04/91 | SP | SP | SP | SP | SP |
| | 01/02/92 | SP | SP | SP | SP | SP |
| | 04/02/92 | 27,000 | 1,200 | 570 | 1,700 | 2,300 |
| RESNA | 07/21/92 | 57,000 | 1,500 | 1,800 | 2,700 | 7,100 |
| | 10/09/92 | 56,000 | 2,900 | 2,600 | 4,600 | 12,000 |
| | 01/11/93 | | Sheen -- Not Sampled | | | |
| | 05/05/93 | | Sheen -- Not Sampled | | | |
| | 08/09/93 | | Sheen -- Not sampled | | | |
| MW-B | | | | | | |
| GTI | 01/10/91 | 35,000 | 47 | 1,300 | 770 | 3,100 |
| | 04/04/91 | 2,300 | 4 | 10 | 22 | 19 |
| | 07/12/91 | 18,000 | 88 | 1,800 | 390 | 1,300 |
| | 10/04/91 | SP | SP | SP | SP | SP |
| | 01/02/92 | SP | SP | SP | SP | SP |
| | 04/02/92 | 1,900 | ND | 39 | 24 | 35 |
| RESNA | 07/21/92 | 16,000 | 180 | 1,600 | 270 | 1,100 |
| | 10/09/92 | 38,000 | 490 | 8,300 | 1,400 | 5,100 |
| | 01/11/93 | | Sheen -- Not Sampled | | | |
| | 05/05/93 | | Sheen -- Not Sampled | | | |
| | 08/09/93 | | Sheen -- Not Sampled | | | |
| MW-1 | | | | | | |
| GTI | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | 390 | ND | ND | 3 | 16 |
| | 10/04/91 | ND | 1 | ND | ND | ND |
| | 01/02/92 | 16 | 6 | ND | ND | ND |
| | 04/02/92 | ND | ND | ND | ND | ND |
| RESNA | 07/21/92 | <50 | 3.2 | <0.5 | <0.5 | <0.5 |
| | 10/09/92 | <50 | 8.5 | <0.5 | <0.5 | <0.5 |
| | 01/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 05/05/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 08/09/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

See notes on page 4 of 4.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 2 of 4)

| Well | Date | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes |
|---|---|---|---|---|---|---|
| MW-2 | | | | | | |
| GTI | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/92 | ND | ND | ND | ND | ND |
| | 07/12/91 | ND | ND | ND | ND | ND |
| | 10/04/91 | ND | 0.3 | ND | ND | ND |
| | 01/02/92 | ND | ND | ND | ND | ND |
| | 04/02/91 | ND | ND | ND | ND | ND |
| RESNA | 07/21/92 | NS | NS | NS | NS | NS |
| | 10/09/92 | NS | NS | NS | NS | NS |
| | 01/11/93 | NS | NS | NS | NS | NS |
| | 05/05/93 | NS | NS | NS | NS | NS |
| | 08/09/93 | NS | NS | NS | NS | NS |
| MW-3 | | | | | | |
| GTI | 01/10/91 | 110 | ND | ND | ND | ND |
| | 04/04/91 | 630 | 4 | ND | 0.6 | 0.9 |
| | 07/12/91 | 230 | 2 | ND | ND | 1 |
| | 10/04/91 | 360 | 0.5 | 2 | ND | 0.5 |
| | 01/02/92 | 340 | 0.4 | ND | ND | ND |
| | 04/02/92 | 160 | 5 | ND | 0.3 | 0.5 |
| RESNA | 07/21/92 | 260 | 1.7 | <0.5 | <0.5 | <0.5 |
| | 10/09/92 | 88 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 01/11/93 | 130 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 05/05/93 | 340 | 1.8 | <0.5 | 1.3 | <0.5 |
| | 08/09/93 | 610 | 18 | <0.5 | 2.4 | 0.9 |
| MW-4 | | | | | | |
| GTI | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | ND | ND | ND | ND | ND |
| | 10/04/91 | ND | 0.6 | ND | ND | ND |
| | 01/02/92 | ND | ND | ND | ND | ND |
| | 04/02/92 | ND | ND | ND | ND | ND |
| RESNA | 07/21/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 10/09/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 01/11/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 05/05/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 08/09/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

See notes on page 4 of 4.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 3 of 4)

| Well | Date | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes |
|---|---|---|---|---|---|---|
| MW-5 | | | | | | |
| GTI | 01/10/91 | 1,900 | 48 | 2 | 87 | 9 |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | 850 | 13 | ND | 18 | 1 |
| | 10/04/91 | 2,000 | 240 | 13 | 34 | 14 |
| | 01/02/92 | 1,800 | 74 | 41 | 84 | 94 |
| | 04/02/92 | ND | ND | ND | ND | ND |
| RESNA | 07/21/92 | 1,000 | 69 | 16 | 40 | 31 |
| | 10/09/92 | 3,400 | 890 | 51 | 110 | 110 |
| | 01/11/93 | 15,000 | 460 | 110 | 900 | 370 |
| | 05/05/93 | 4,500 | 160 | 19 | 280 | 110 |
| | 08/09/93 | 2,300 | 180 | 19 | 130 | 80 |
| MW-6 | | | | | | |
| GTI | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | NS | NS | NS | NS | NS |
| | 10/04/91 | ND | 0.3 | ND | ND | ND |
| | 01/02/92 | 23 | ND | 0.3 | 0.6 | 3 |
| | 04/02/92 | ND | ND | ND | ND | ND |
| RESNA | 07/21/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 10/09/92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 01/11/93 | NS | NS | NS | NS | NS |
| | 05/05/93 | NS | NS | NS | NS | NS |
| | 08/09/93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-7 | | | | | | |
| GTI | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | NS | NS | NS | NS | NS |
| | 10/04/91 | NS | NS | NS | NS | NS |
| | 01/02/92 | NS | NS | NS | NS | NS |
| | 04/02/92 | ND | ND | ND | ND | ND |
| RESNA | 07/21/92 | NS | NS | NS | NS | NS |
| | 10/09/92 | NS | NS | NS | NS | NS |
| | 01/11/93 | NS | NS | NS | NS | NS |
| | 05/05/93 | NS | NS | NS | NS | NS |
| | 08/09/93 | NS | NS | NS | NS | NS |

See notes on page 4 of 4.

TABLE 2
CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Texaco Service Station
930 Springtown Boulevard
Livermore, California
(Page 4 of 4)

| Well | Date | TPHg | Benzene | Toluene | Ethyl-benzene | Total Xylenes |
|---|---|---|---|---|---|---|
| MW-8 | | | | | | |
| GTI | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | NS | NS | NS | NS | NS |
| | 07/12/91 | NS | NS | NS | NS | NS |
| | 10/04/91 | NS | NS | NS | NS | NS |
| | 01/02/92 | 12,000 | 32 | 980 | 200 | 760 |
| | 04/02/92 | ND | ND | ND | ND | ND |
| RESNA | 07/21/92 | NS | NS | NS | NS | NS |
| | 10/09/93 | NS | NS | NS | NS | NS |
| | 01/11/93 | NS | NS | NS | NS | NS |
| | 05/05/93 | NS | NS | NS | NS | NS |
| | 08/09/93 | NS | NS | NS | NS | NS |
| | MCLs: | - | 1.0 | - | 680 | 1,750 |
| | DWAL: | - | - | 100 | - | - |

Results in parts per billion (ppb).

NS : Not Sampled
NR : No Records
ND : None Detected
SP : Separate-phase petroleum hydrocarbons
TPHg : Total petroleum hydrocarbons as gasoline analyzed by EPA method 5030/602.
BTEX : Analyzed by EPA method 5030/602.
< : Less than the detection limit for the specified method of analysis.
MCLs : Adopted Maximum Contaminant Levels in Drinking Water, DHS (October 1990)
DWAL : Recommended Drinking Water Action Level, DHS (October 1990)
— : Not applicable
GTI : Groundwater Technology, Inc.
RESNA : RESNA Industries Inc. began sampling.

# APPENDIX A

# GROUNDWATER SAMPLING PROTOCOL AND WELL PURGE DATA SHEETS

## GROUNDWATER SAMPLING PROTOCOL

The static water level and floating product level, if present, in each well that contained water was measured with an ORS Interphase Probe Model No. 1068018, or Solonist Water Level Indicator; these instruments are accurate to the nearest 0.01 foot. These groundwater depths were subtracted from wellhead elevations, including corrections for product thickness, when necessary, for gradient evaluation by multiplying product thickness (PT) by a correction factor 0.8 and subtracting from the depth to water (DTW) (Adjusted DTW = DTW - [PT x 0.8]).

Water samples collected for subjective evaluation were collected by gently lowering approximately half the length of a new disposable bailer or Teflon® bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples were checked for measurable floating hydrocarbon product. All Teflon® bailers are triple washed with Alconox® and rinsed with distilled water prior to each use.

Before water samples were collected from the groundwater monitoring wells, the wells were purged until stabilization of the temperature, pH, and conductivity were obtained. Approximately four well casing volumes were purged before those characteristics stabilized. The quantity of water purged from each well was calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

| | | |
|---|---|---|
| r | = | radius of the well casing in feet. |
| h | = | column of water in the well in feet (depth to bottom - depth to water). |
| 7.48 | = | conversion constant from cubic feet to gallons |

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well was allowed to recharge to at least 80% of the initial water level. Water samples were collected with a new disposable or Teflon® bailer, and carefully poured into 40-milliliter (ml) glass vials, which were filled so as to produce a positive meniscus. Each vial was preserved with hydrochloric acid, sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace which would allow volatilization to occur. The samples were promptly transported in iced storage in a thermally-insulated ice chest, accompanied by a Chain of Custody Record, to a California-certified laboratory.

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# WELL PURGE DATA SHEET

Project Name: Texaco-- Springtown  Job No. 62090.01

Date: 08/09/93  Page 1 of 1

Well No. MW-1  Time Started 15:20

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|---|---|---|---|---|
| 15:20 | Start purging MW-1 | | | |
| 15:20 | 0 | 76.3 | 6.98 | 2300 |
| 15:24 | 8.0 | 72.8 | 7.00 | 2260 |
| 15:28 | 16.0 | 71.8 | 6.99 | 2250 |
| 15:32 | 24.0 | 71.5 | 7.01 | 2240 |
| 15:36 | 32.0 | 70.2 | 7.00 | 2250 |
| 15:37 | Stop purging MW-1 | | | |

Notes:

| | | |
|---|---|---|
| Well Diameter (inches) | : | 4 |
| Depth to Bottom (feet) | : | 25.48 |
| Depth to Water - initial (feet) | : | 13.63 |
| Depth to Water - final (feet) | : | 13.63 |
| % recovery | : | 100% |
| Time Sampled | : | 16:50 |
| Gallons per Well Casing Volume | : | 7.73 |
| Gallons Purged | : | 36.0 |
| Well Casing Volume Purged | : | 4.65 |
| Approximate Pumping Rate (gpm) | : | 1.5 |

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# WELL PURGE DATA SHEET

Project Name: Texaco-- Springtown  Job No. 62090.01

Date: 08/09/93  Page 1 of 1

Well No. MW-3  Time Started 16:10

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|---|---|---|---|---|
| 16:10 | Start purging MW-3 | | | |
| 16:10 | 0 | 75.9 | 7.07 | 1730 |
| 16:14 | 8.0 | 73.7 | 7.05 | 1680 |
| 16:18 | 16.0 | 71.9 | 7.03 | 1660 |
| 16:45 | 24.0 | 72.4 | 7.06 | 1700 |
| 16:49 | 32.0 | 71.3 | 7.04 | 1670 |
| 16:50 | Stop purging MW-3 | | | |

Notes:

| | |
|---|---|
| Well Diameter (inches) : | 4 |
| Depth to Bottom (feet) : | 24.25 |
| Depth to Water - initial (feet) : | 12.34 |
| Depth to Water - final (feet) : | 12.34 |
| % recovery : | 100% |
| Time Sampled : | 17:30 |
| Gallons per Well Casing Volume : | 7.77 |
| Gallons Purged : | 36.0 |
| Well Casing Volume Purged : | 4.63 |
| Approximate Pumping Rate (gpm): | 1.5 |

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# WELL PURGE DATA SHEET

Project Name: Texaco-- Springtown  Job No. 62090.01

Date: 08/09/93  Page 1 of 1

Well No. MW-4  Time Started 12:30

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|---|---|---|---|---|
| 12:00 | Start purging MW-4 | | | |
| 12:00 | 0 | 71.4 | 7.38 | 1230 |
| 12:05 | 5.0 | 71.0 | 7.44 | 1210 |
| 12:10 | 10.0 | 70.5 | 7.46 | 1200 |
| 12:20 | 15.0 | 70.3 | 7.46 | 1210 |
| 12:25 | 20.0 | 70.2 | 7.47 | 1210 |
| 12:26 | Stop purging MW-4 | | | |

Notes:

| | |
|---|---|
| Well Diameter (inches) : | 3 |
| Depth to Bottom (feet) : | 25.05 |
| Depth to Water - initial (feet) : | 12.25 |
| Depth to Water - final (feet) : | 12.25 |
| % recovery : | 100% |
| Time Sampled : | 13:25 |
| Gallons per Well Casing Volume : | 4.70 |
| Gallons Purged : | 22.8 |
| Well Casing Volume Purged : | 4.85 |
| Approximate Pumping Rate (gpm) : | 1.5 |

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# WELL PURGE DATA SHEET

Project Name: Texaco-- Springtown  Job No. 62090.01

Date: 08/09/93  Page 1 of 1

Well No. MW-5  Time Started 14:45

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|---|---|---|---|---|
| 14:45 | Start purging MW-5 | | | |
| 14:45 | 0 | 74.5 | 7.20 | 1370 |
| 14:50 | 2.50 | 71.8 | 7.18 | 1340 |
| 14:55 | 5.00 | 70.6 | 7.19 | 1320 |
| 15:05 | 7.50 | 72.3 | 7.21 | 1340 |
| 15:10 | 10.0 | 70.5 | 7.20 | 1320 |
| 15:11 | Stop purging MW-5 | | | |

Notes:

| | |
|---|---|
| Well Diameter (inches) : | 2 |
| Depth to Bottom (feet) : | 27.90 |
| Depth to Water - initial (feet) : | 13.35 |
| Depth to Water - final (feet) : | 13.35 |
| % recovery : | 100% |
| Time Sampled : | 16:00 |
| Gallons per Well Casing Volume : | 2.37 |
| Gallons Purged : | 11.0 |
| Well Casing Volume Purged : | 4.64 |
| Approximate Pumping Rate (gpm) : | 0.5 |

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*Working to Restore Nature*

# WELL PURGE DATA SHEET

Project Name: Texaco-- Springtown  Job No. 62090.01

Date: 08/09/93  Page 1 of 1

Well No. MW-6  Time Started 14:00

| TIME (hr) | GALLONS (cum.) | TEMP. (F) | pH | CONDUCT. (micromho) |
|---|---|---|---|---|
| 14:00 | Start purging MW-6 | | | |
| 14:00 | 0 | 73.9 | 7.44 | 700 |
| 14:04 | 2.00 | 70.9 | 7.44 | 690 |
| 14:08 | 4.00 | 70.3 | 7.45 | 690 |
| 14:18 | 6.00 | 69.9 | 7.45 | 670 |
| 14:24 | 8.00 | 69.7 | 7.45 | 680 |
| 14:25 | Stop purging MW-6 | | | |

Notes:

| | |
|---|---|
| Well Diameter (inches) : | 2 |
| Depth to Bottom (feet) : | 24.60 |
| Depth to Water - initial (feet) : | 14.50 |
| Depth to Water - final (feet) : | 14.50 |
| % recovery : | 100% |
| Time Sampled : | 15:30 |
| Gallons per Well Casing Volume : | 1.65 |
| Gallons Purged : | 8.0 |
| Well Casing Volume Purged : | 4.85 |
| Approximate Pumping Rate (gpm) : | 0.5 |

# APPENDIX B

# LABORATORY ANALYSIS REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

# MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955


62090.01\1718\012901

RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083367 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>MW1 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

# MOBILE CHEM LABS INC.

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083366 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>Rinsate MW1 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

# MOBILE CHEM LABS INC.

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083369 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>MW3 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | 610 |
| Benzene | 0.5 | 18 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | 0.9 |
| Ethylbenzene | 0.5 | 2.4 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

# MOBILE CHEM LABS INC.

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083368 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>Rinsate MW3 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083361 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>MW4 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

# MOBILE CHEM LABS INC.

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083360 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>Rinsate MW4 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Lab Director

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083365 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>MW5 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | 2,300 |
| Benzene | 0.5 | 180 |
| Toluene | 0.5 | 19 |
| Xylenes | 0.5 | 80 |
| Ethylbenzene | 0.5 | 130 |

QA/QC: Duplicate Deviation is 8.9%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Lab Director

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083364 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>Rinsate MW5 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

QA/QC: Spike Recovery is 102%

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

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Ronald G. Evans
Lab Director

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Phone (510) 372-3700 • Fax (510) 372-6955


62090.01\1718\012901

RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083363 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>MW6 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

# MOBILE CHEM LABS INC.

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Phone (510) 372-3700 • Fax (510) 372-6955


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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083362 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>Rinsate MW6 WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

# MOBILE CHEM LABS INC.

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RESNA Industries
3315 Alamden Expressway, #34
San Jose, CA 95118
Attn: Phillip Mayberry
Project Manager

Date Sampled: 08-09-93
Date Received: 08-11-93
Date Analyzed: 08-20-93

| Sample Number | Sample Description |
|---|---|
| 083359 | Project # 62090.01<br>Texaco - Livermore<br>930 Springtown<br>Trip Blank WATER |

ANALYSIS

| | Detection Limit | Sample Results |
|---|---|---|
| | ppb | ppb |
| Total Petroleum Hydrocarbons as Gasoline | 50 | <50 |
| Benzene | 0.5 | <0.5 |
| Toluene | 0.5 | <0.5 |
| Xylenes | 0.5 | <0.5 |
| Ethylbenzene | 0.5 | <0.5 |

Note: Analysis was performed using EPA methods 5030 and TPH LUFT with method 602 used for BTX distinction.
(ppb) = (µg/L)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

RESNA

# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

| PROJECT NO. | PROJECT NAME/SITE |
|---|---|
| 62090.01 | Texaco 930 Stanley, Livermore |

SAMPLERS (SIGN) Robin A. Cohen (PRINT) Robin A. Cohen

| SAMPLE IDENTIFICATION | DATE | TIME | COMP | GRAB | PRES USED | ICED | NO. CONTAINERS | SAMPLE TYPE | BTEX (602/8020) | TPHg (8015) | TPHd (8015) | TOG 418.1/5520 | 601/8010 | 624/8240 | 625/8270 | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank | 8/9/93 | 1:15 | | | HCL | Y | 2 | | X | X | | | | | | |
| Pinsate BLK-MW4 | | 1:25 | | | | | 2 | | X | X | | | | | | |
| MW-4 | | 1:25 | | | | | 2 | | X | X | | | | | | |
| Rin BLK- MW6 | | 3:30 | | | | | 2 | | X | X | | | | | | |
| MW6 | | 3:30 | | | | | 2 | H2O | X | X | | | | | | |
| Rin BLK- MW5 | | 4:00 | | | | | 2 | | X | X | | | | | | |
| MW5 | | 4:00 | | | | | 2 | | X | X | | | | | | |
| Rin - BLK- MW1 | | 4:50 | | | | | 2 | | X | X | | | | | | |
| MW1 | | 4:50 | | | | | 2 | | X | X | | | | | | |
| Rin - BLK -MW3 | | 5:30 | | | | | 2 | | X | X | | | | | | |
| MW3 | ↓ | 5:30 | | | ↓ | ↓ | 2 | | X | X | | | | | | |

ANALYSIS REQUESTED

PO #

| RELINQUISHED BY | DATE | TIME | RECEIVED BY |
|---|---|---|---|
| Robin A Cohen | 8-9-93 | 8:00 | |
| RELINQUISHED BY | DATE | TIME | RECEIVED BY |
| RELINQUISHED BY | DATE | TIME | RECEIVED BY |
| RELINQUISHED BY | DATE 8/11-93 | TIME 16:30 | RECEIVED BY LABORATORY Diane Heinze |

LABORATORY: Mobile Chem Labs

REQUESTED TURNAROUND TIME: NORMAL

RECEIPT CONDITION: on Ice w/head space

PLEASE SEND RESULTS TO: Phil Mayberry, Resna, San Jose

PROJECT MANAGER: