



Texaco Refining
and Marketing Inc

108 Cutting Boulevard
Richmond CA 94804

August 21, 1991

Mr. Lester Feldman
California Regional Water
Quality Control Board
San Francisco Bay Region
2101 Webster Street. Suite 500
Oakland, CA 94612

Dear Mr. Feldman:

Enclosed is a copy of our Quarterly Status Report (R-3 of 91) dated August 7, 1991 for our former Texaco Service Station located at 930 Springtown Boulevard in Livermore, California. This report covers the quarter ending July, 1991.

Our on-site consultants, Groundwater Technology, Inc., have completed the field work for the Soil Vent Feasibility Test and are currently preparing the results along with a Soil and Groundwater Remediation Workplan. Upon our review, we will submit the test results and workplan to the RWQCB.

If you have any questions I can be contacted at (415) 236-3541.

Best Regards,

K. Detterman
Environmental Geologist

KD:pap

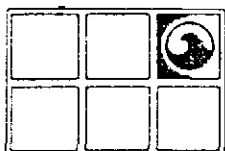
Enclosure

cc: Mr. Robi Arulananpham
Alameda County Environmental Health Dept.
Hazardous Materials Division
80 Swan Way - Room 200
Oakland, CA 94612

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GROUNDWATER TECHNOLOGY, INC.

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691. (916) 372-4700

FAX (916) 372-8781

August 7, 1991

Project No. 02320 1383

Mr. R. R. Zielinski
Texaco Environmental Services
108 Cutting Boulevard
Richmond, California 94804

RE: QUARTERLY STATUS REPORT (R-3 OF 91)
FORMER TEXACO SERVICE STATION
930 SPRINGTOWN BOULEVARD
LIVERMORE, CALIFORNIA

Dear Mr. Zielinski:

This letter is presented as a quarterly report on groundwater conditions at the former Texaco service station site in Livermore, California for the quarter ending July 1991. Groundwater monitoring and sampling were conducted to determine water table elevation, the thickness of any separate-phase petroleum hydrocarbons (SP), and the distribution of dissolved hydrocarbons in the 10 monitoring wells (MWs) at this site. Groundwater monitoring data and results of laboratory analyses of groundwater samples collected on July 12, 1991 are included. In addition to the quarterly monitoring and sampling, a vapor-extraction system feasibility study was completed at the site. Results of this study will be included with a future remediation work plan.

WORK PERFORMED

GROUNDWATER MONITORING

Water table elevations at the site have decreased an average of 0.96 foot from levels reported the previous quarter. The estimated groundwater flow direction is to the north with a hydraulic gradient of approximately 0.05. Monitoring results are presented in Figure 1 (Attachment I) and Table 1 (Attachment II).

GROUNDWATER SAMPLING

Prior to water-sample collection, the groundwater monitoring wells were purged of approximately 4 well volumes and allowed to recharge with representative formation water. A Teflon[®] sampler, cleaned with an industrial detergent and distilled water, was used for the groundwater sampling. The water samples were transferred to 40-milliliter glass vials with Teflon[®] septum caps, preserved on ice, and transported to GTEL Environmental Laboratories, Inc. (GTEL), in Concord, California, accompanied by a chain-of-custody manifest. Groundwater samples were analyzed using modified EPA methods 8020/8015, which measure concentrations of total petroleum hydrocarbons-as-gasoline (TPH-G), and benzene, toluene, ethylbenzene and xylenes (BTEX). Copies of the laboratory analyses reports and chain-of-custody manifest are included in Attachment III. Two monitoring wells, MW-7 and MW-8, were interpreted to be non-strategic and were not sampled. MW-7 and MW-8 are located up-gradient and cross-gradient from the dissolved hydrocarbon

plume (Figure 2, Attachment II) and historically have not contained dissolved hydrocarbons (Table 2, Attachment II). MW-6 was not sampled because it was blocked by a parked vehicle.

GROUNDWATER ANALYTICAL RESULTS

Concentrations of TPH-G in the groundwater samples ranged from below the method detection limit (<MDL) to 100,000 parts per billion (ppb). The benzene concentrations ranged from <MDL to 2000 ppb. The distribution of dissolved TPH-G and benzene concentrations in groundwater for January 10, 1991 are shown in Figure 2 and Figure 3, respectively. Results of the laboratory analyses are presented in Table 2, Attachment A.

WASTEWATER DISPOSAL

Purge water from the 10 monitoring wells is stored in Department of Transportation (DOT)-approved 55-gallon drums. Purge water found to contain petroleum hydrocarbons will be transported by a licensed trucking company to a wastewater recycling facility.


Please contact Groundwater Technology's West Sacramento Office if you have questions or comments regarding this quarterly report.

Sincerely,

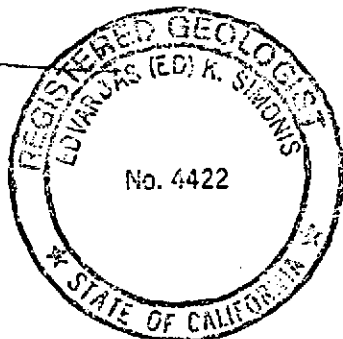
GROUNDWATER TECHNOLOGY, INC.



JOHN E. BOWER
Environmental Geologist
Project Manager

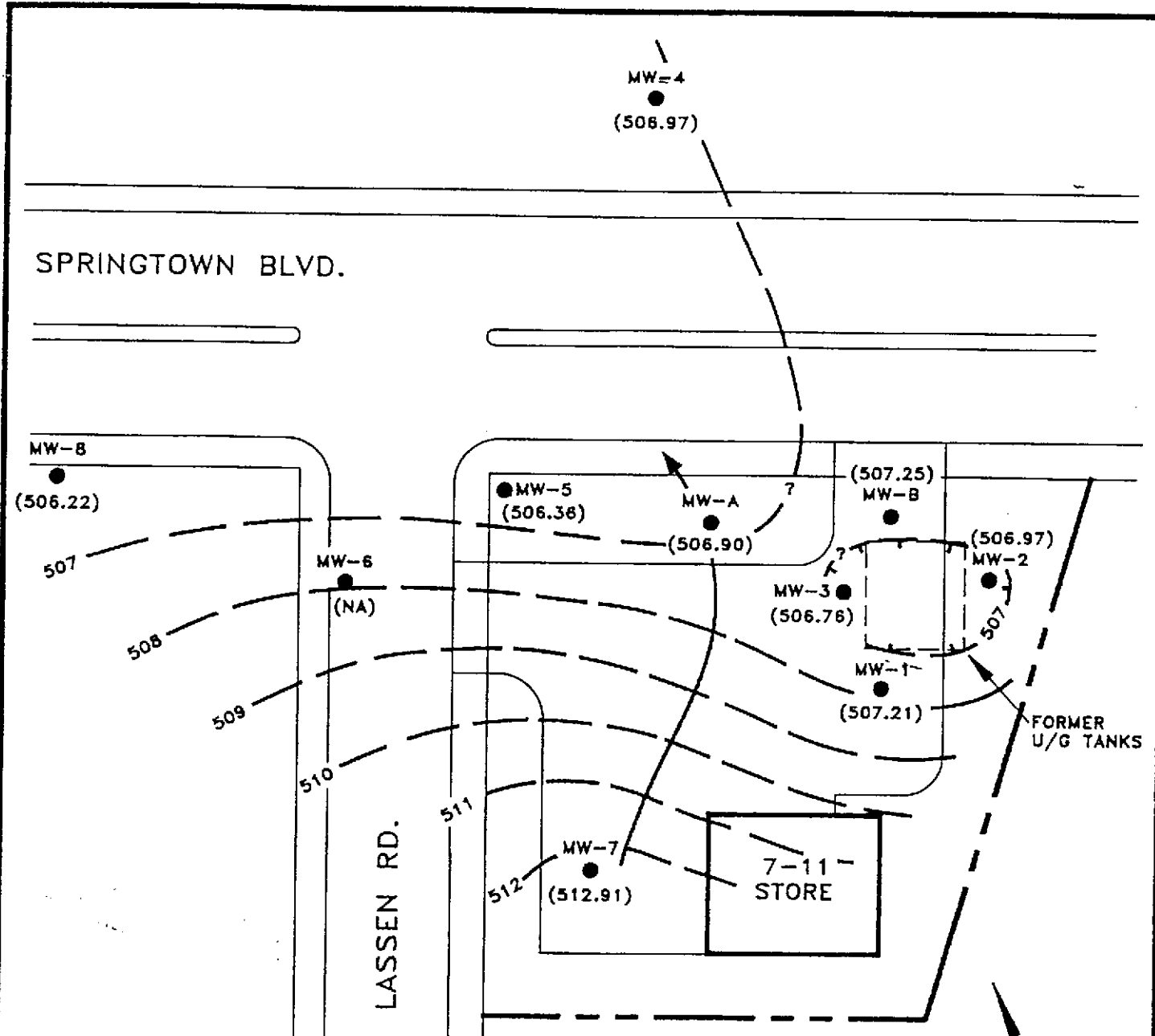


E.K. SIMONIS
California Registered
Geologist, No. 4422



JEB/EKS:rc

Attachments



LEGEND

- GROUNDWATER MONITORING WELL
- (506.22) POTENTIOMETRIC SURFACE ELEVATION (FT.)
- (NA) NOT AVAILABLE
- POTENTIOMETRIC SURFACE CONTOUR; INTERVAL=1 FT.
- ESTIMATED GROUNDWATER FLOW DIRECTION

**FIGURE 1
POTENTIOMETRIC
SURFACE MAP**
(DATUM: MEAN SEA LEVEL)
JULY 12, 1991

TEXACO REFINING & MARKETING INC.
930 SPRINGTOWN BLVD.
LIVERMORE, CA.
02320-1383

REVISIONS:
DATE: 8/5/91
REVISION: FINAL DRAFT
BY: GWS



**GROUNDWATER
TECHNOLOGY, INC.**

SPRINGTOWN BLVD.

MW-4
●
(ND)

MW-8
●
(NS)

MW-6
●
(NA)

LASSEN RD.

MW-5
●
(850)

MW-A
●
(100,000)

(18,000)

MW-B
●

MW-3
●
(230)

MW-2
●
(ND)

MW-1
●
(390)

FORMER
U/G TANKS

MW-7
●
(NS)

7-11
STORE

LEGEND

- GROUNDWATER MONITORING WELL
- (230) DISSOLVED TPH-G CONCENTRATION (ppb)
- (ND) NOT DETECTABLE AT OR ABOVE METHOD DETECTION LIMIT
- (NS) NOT SAMPLED. NON-STRATEGIC WELL
- (NA) NOT AVAILABLE
- LINE OF ESTIMATED EQUAL DISSOLVED TPH-G CONCENTRATION (ppb)

FIGURE 2
DISSOLVED TPH-G
CONCENTRATION MAP
 (IN PARTS PER BILLION [ppb])

JULY 12, 1991
 TEXACO REFINING & MARKETING INC.
 930 SPRINGTOWN BLVD.
 LIVERMORE, CA.
 02320-1383

REVISIONS:
 DATE: 8/5/91
 REVISION: FINAL DRAFT
 BY: CWS

0 50'

 APPROX. SCALE



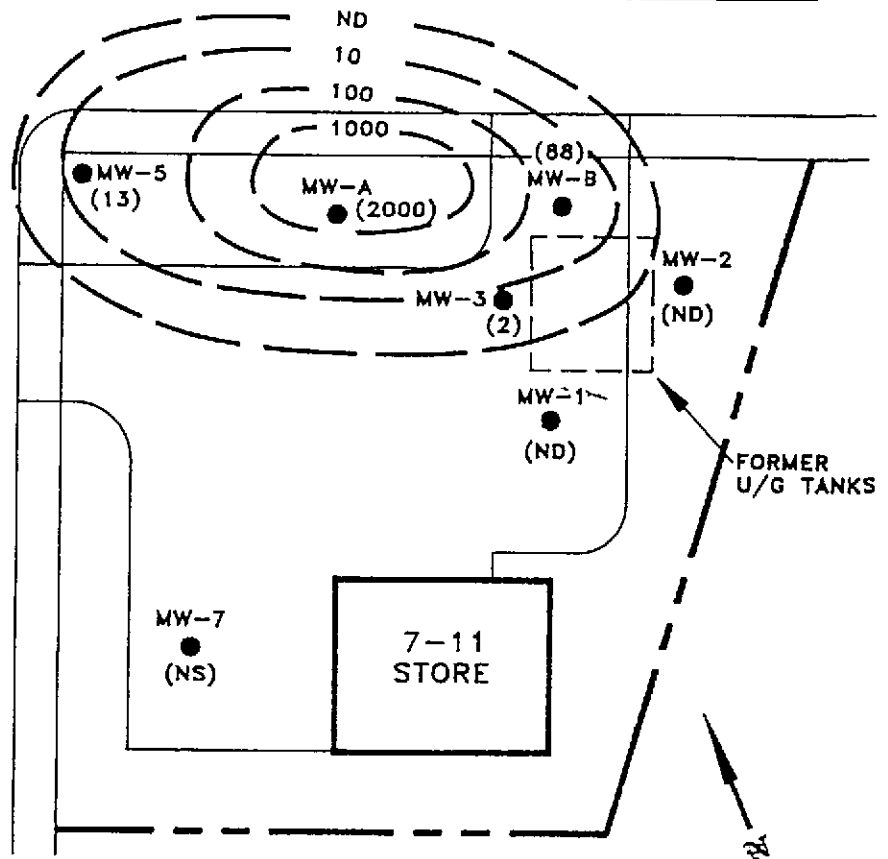
GROUNDWATER
 TECHNOLOGY, INC.

SPRINGTOWN BLVD.

MW-8
(NS)

MW-6
(NA)

LASSEN RD.



LEGEND

- GROUNDWATER MONITORING WELL
- (88) DISSOLVED BENZENE CONCENTRATION (ppb)
- (ND) NOT DETECTABLE AT OR ABOVE METHOD DETECTION LIMIT
- (NS) NOT SAMPLED, NON-STRATEGIC WELL
- (NA) NOT AVAILABLE
- () LINE OF ESTIMATED EQUAL DISSOLVED BENZENE CONCENTRATION (ppb)

FIGURE 3
DISSOLVED BENZENE
CONCENTRATION MAP
(IN PARTS PER BILLION (ppb))
JULY 12, 1991
TEXACO REFINING & MARKETING INC.
930 SPRINGTOWN BLVD.
LIVERMORE, CA.
02320-1383

REVISIONS:
DATE: 8/5/91
REVISION: FINAL DRAFT
BY: GWS

0 50'
APPROX. SCALE



GROUNDWATER
TECHNOLOGY, INC.

TABLE 1
1990/91 GROUNDWATER MONITORING DATA
 (measured in feet)

Former Texaco Service Station
 930 Springtown Blvd.
 Livermore, California

| WELL ID ELEVATION | DATE | DEPTH TO WATER | DEPTH TO SP | SP THICK | WATER TABLE ELEVATION |
|----------------------|----------|-------------------|----------------|-------------|-----------------------------|
| MW-A 519.85 | 03/27/90 | 12.55 | -- | -- | 507.30 |
| | 06/25/90 | 12.58 | -- | -- | 507.27 |
| | 09/21/90 | 12.75 | -- | -- | 507.10 |
| | 01/10/91 | 13.28 | -- | -- | 506.57 |
| | 04/04/91 | 12.12 | -- | -- | 507.73 |
| | 07/12/91 | 12.95 | -- | -- | 506.90 |
| MW-B 518.16 | 03/27/90 | 10.62 | -- | -- | 507.54 |
| | 06/25/90 | 10.68 | -- | -- | 507.48 |
| | 09/21/90 | 10.76 | -- | -- | 507.40 |
| | 01/10/91 | 11.06 | -- | -- | 507.10 |
| | 04/04/91 | 10.04 | -- | -- | 508.12 |
| | 07/12/91 | 10.91 | -- | -- | 507.25 |
| MW-1 520.76 | 03/27/90 | 13.20 | -- | -- | 507.56 |
| | 06/25/90 | 13.22 | -- | -- | 507.54 |
| | 09/21/90 | 13.39 | -- | -- | 507.37 |
| | 01/10/91 | 13.80 | -- | -- | 506.96 |
| | 04/04/91 | 12.70 | -- | -- | 508.06 |
| | 07/12/91 | 13.55 | -- | -- | 507.21 |
| MW-2 518.45 | 03/27/90 | 10.86 | -- | -- | 507.59 |
| | 06/25/90 | 10.91 | -- | -- | 507.54 |
| | 09/21/90 | 11.34 | -- | -- | 507.11 |
| | 01/10/91 | 11.66 | -- | -- | 506.79 |
| | 04/04/91 | 10.61 | -- | -- | 507.84 |
| | 07/12/91 | 11.48 | -- | -- | 506.97 |
| MW-3 519.30 | 03/27/90 | 11.84 | -- | -- | 507.46 |
| | 06/25/90 | 11.85 | -- | -- | 507.45 |
| | 09/21/90 | 12.37 | -- | -- | 506.93 |
| | 01/10/91 | 12.84 | -- | -- | 506.46 |
| | 04/04/91 | 11.71 | -- | -- | 507.59 |
| | 07/12/91 | 12.54 | -- | -- | 506.76 |

Table 1
Page 2

| WELL ID ELEVATION | DATE | DEPTH TO WATER | DEPTH TO SP | SP THICK | WATER TABLE ELEVATION |
|----------------------|----------|-------------------|----------------|-------------|-----------------------------|
| MW-4 518.75 | 03/27/90 | 11.43 | -- | -- | 507.32 |
| | 06/25/90 | 11.55 | -- | -- | NA |
| | 09/21/90 | 11.79 | -- | -- | 506.96 |
| | 01/10/91 | 12.02 | -- | -- | 506.73 |
| | 04/04/91 | 10.72 | -- | -- | 508.03 |
| | 07/12/91 | 11.78 | -- | -- | 506.97 |
| MW-5 520.50 | 03/27/90 | 13.17 | -- | -- | 507.33 |
| | 06/25/90 | 13.18 | -- | -- | 507.32 |
| | 09/21/90 | 13.79 | -- | -- | 506.71 |
| | 01/10/91 | 14.33 | -- | -- | 506.17 |
| | 04/04/91 | 13.26 | -- | -- | 507.24 |
| | 07/12/91 | 14.14 | -- | -- | 506.36 |
| MW-6 522.26 | 03/27/90 | 15.04 | -- | -- | 507.22 |
| | 06/25/90 | 15.03 | -- | -- | 507.23 |
| | 09/21/90 | 15.40 | -- | -- | 506.86 |
| | 01/10/91 | 16.31 | -- | -- | 505.95 |
| | 04/04/91 | 15.19 | -- | -- | 507.07 |
| | 07/12/91 | NA | -- | -- | NA |
| MW-7 522.17 | 03/27/90 | 9.41 | -- | -- | 512.76 |
| | 06/25/90 | 9.22 | -- | -- | 512.95 |
| | 09/21/90 | 8.38 | -- | -- | 513.79 |
| | 01/10/91 | 9.07 | -- | -- | 513.10 |
| | 04/04/91 | 7.59 | -- | -- | 514.58 |
| | 07/12/91 | 9.26 | -- | -- | 512.91 |
| MW-8 524.04 | 03/27/90 | 16.15 | -- | -- | 507.89 |
| | 06/25/90 | 16.90 | -- | -- | 507.14 |
| | 09/21/90 | 17.56 | -- | -- | 506.48 |
| | 01/10/91 | 18.03 | -- | -- | 506.01 |
| | 04/04/91 | 17.01 | -- | -- | 507.03 |
| | 07/12/91 | 17.82 | -- | -- | 506.22 |

EXPLANATION

SP = Separate phase petroleum hydrocarbons
NA = Not Available

TABLE 2
CUMULATIVE LABORATORY ANALYSES OF GROUNDWATER
IN PARTS PER BILLION (PPB)

Former Texaco Service Station
 930 Springtown Blvd.
 Livermore, California

| WELL ID | SAMPLE DATE | BENZENE | TOLUENE | ETHYL-BENZENE | XYLENE | TPH-G |
|----------|-------------|----------|---------|---------------|--------|---------|
| MW-A | 03/27/90 | SP | SP | SP | SP | SP |
| | 06/25/90 | 2,700 | 4,000 | 2,600 | 6,500 | 39,000 |
| | 09/21/90 | 1,400 | 1,900 | 1,800 | 4,200 | 30,000 |
| | 01/10/91 | 1,900 | 3,700 | 2,600 | 8,300 | 50,000 |
| | 04/04/91 | 950 | 1,100 | 1,300 | 2,900 | 31,000 |
| | 07/12/91 | 2,000 | 4,200 | 4,600 | 13,000 | 100,000 |
| | MW-B | 03/27/90 | SP | SP | SP | SP |
| 06/25/90 | | 28 | 230 | 87 | 260 | 5,400 |
| 09/21/90 | | 150 | 1,700 | 1,200 | 3,700 | 45,000 |
| 01/10/91 | | 47 | 1,300 | 770 | 3,100 | 35,000 |
| 04/04/91 | | 4 | 10 | 22 | 19 | 2,300 |
| 07/12/91 | | 88 | 1,800 | 390 | 1,300 | 18,000 |
| MW-1 | | 03/27/90 | ND | ND | ND | ND |
| | 06/25/90 | ND | ND | ND | ND | ND |
| | 09/21/90 | ND | ND | ND | ND | ND |
| | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | ND | ND | 3 | 16 | 390 |
| | MW-2 | 03/27/90 | ND | ND | ND | ND |
| 06/25/90 | | ND | ND | ND | ND | 14 |
| 09/21/90 | | ND | ND | ND | ND | ND |
| 01/10/91 | | ND | ND | ND | ND | ND |
| 04/04/91 | | ND | ND | ND | ND | ND |
| 07/12/91 | | ND | ND | ND | ND | ND |
| MW-3 | | 03/27/90 | 1 | ND | ND | ND |
| | 06/25/90 | 0.03 | ND | ND | ND | 340 |
| | 09/21/90 | ND | ND | ND | ND | 96 |
| | 01/10/91 | ND | ND | ND | ND | 110 |
| | 04/04/91 | 4 | ND | 0.6 | 0.9 | 630 |
| | 07/12/91 | 2 | ND | ND | 1 | 230 |

Table 2
Page 2

| WELL ID | SAMPLE DATE | BENZENE | TOLUENE | ETHYL-BENZENE | XYLENE | TPH-G |
|---------|-------------|---------|---------|---------------|--------|-------|
| MW-4 | 03/27/90 | ND | ND | ND | ND | ND |
| | 06/25/90 | ND | ND | ND | ND | ND |
| | 09/21/90 | ND | ND | ND | ND | ND |
| | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | ND | ND | ND | ND | ND |
| MW-5 | 03/27/90 | 230 | 32 | 420 | 250 | 5,100 |
| | 06/25/90 | 160 | 8 | 140 | 42 | 2,000 |
| | 09/21/90 | 98 | 2 | 120 | 5 | 2,100 |
| | 01/10/91 | 48 | 2 | 87 | 9 | 1,900 |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | 13 | ND | 18 | 1 | 850 |
| MW-6 | 03/27/90 | ND | ND | ND | ND | ND |
| | 06/25/90 | ND | ND | ND | ND | 3 |
| | 09/21/90 | ND | ND | ND | ND | ND |
| | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | NS | NS | NS | NS | NS |
| MW-7 | 03/27/90 | ND | ND | ND | ND | ND |
| | 06/25/90 | ND | ND | ND | ND | ND |
| | 09/21/90 | ND | ND | ND | ND | ND |
| | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | ND | ND | ND | ND | ND |
| | 07/12/91 | NS | NS | NS | NS | NS |
| MW-8 | 03/27/90 | ND | ND | ND | ND | ND |
| | 06/25/90 | ND | ND | ND | ND | ND |
| | 09/21/90 | ND | ND | ND | ND | ND |
| | 01/10/91 | ND | ND | ND | ND | ND |
| | 04/04/91 | NS | NS | NS | NS | NS |
| MDL | | 0.3 | 0.3 | 0.3 | 0.6 | 1 |

EXPLANATION

MDL = Method Detection Limit
 ND = Non-Detectable Concentration (below MDL)
 TPH-G = Total Petroleum Hydrocarbons as Gas
 SP = Separate - Phase Petroleum Hydrocarbons
 NS = Not sampled

ATTACHMENT III

**LABORATORY ANALYSES REPORTS AND
CHAIN OF CUSTODY MANIFEST**



GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region

4080-C Pike Lane
Concord, CA 94520
(415) 685-7852
(800) 544-3422 *from inside California*
(800) 423-7143 *from outside California*
(415) 825-0720 (FAX)

Client Number: GT171.TEX01
Consultant Project Number: 023200086
Project ID: Livermore, CA
Work Order Number: C1-07-353

July 19, 1991

John Bower
Groundwater Technology, Inc.
1401 Halyard Dr., Ste. 140
West Sacramento, CA 95691

Enclosed please find the analytical results report prepared by GTEL for samples received on 07/15/91, under chain of custody number 72-7547.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

A formal quality control/quality assurance program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project was performed in strict adherence to our QA/QC program to ensure sample integrity and to meet quality control criteria.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Emma P. Popek
Laboratory Director

Table 1

ANALYTICAL RESULTS

Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Water

EPA Methods 5030, 8020, and Modified 8015^a

| GTEL Sample Number | | 01 | 02 | 03 | 04 |
|----------------------------|-----------------------|---------------------|----------|----------|----------|
| Client Identification | | FIELD BLK. | RINSATE | MW-1 | MW-2 |
| Date Sampled | | 07/12/91 | 07/12/91 | 07/12/91 | 07/12/91 |
| Date Analyzed | | 07/16/91 | 07/16/91 | 07/16/91 | 07/16/91 |
| Analyte | Detection Limit, ug/L | Concentration, ug/L | | | |
| Benzene | 0.3 | <0.3 | <0.3 | <0.3 | <0.3 |
| Toluene | 0.3 | <0.3 | <0.3 | <0.3 | <0.3 |
| Ethylbenzene | 0.3 | <0.3 | <0.3 | 3 | <0.3 |
| Xylene, total | 0.6 | <0.6 | <0.6 | 16 | <0.6 |
| BTEX, total | -- | -- | -- | 19 | -- |
| TPH as Gasoline | 10 | <10 | <10 | 390 | <10 |
| Detection Limit Multiplier | | 1 | 1 | 1 | 1 |

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

Table 1 (Continued)

ANALYTICAL RESULTS

**Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Water**

EPA Methods 5030, 8020, and Modified 8015^a

| GTEL Sample Number | | 05 | 06 | 07 | 08 |
|----------------------------|-----------------------|---------------------|----------|----------|----------|
| Client Identification | | MW-4 | MW-5 | MW-3 | MW-B |
| Date Sampled | | 07/12/91 | 07/12/91 | 07/12/91 | 07/12/91 |
| Date Analyzed | | 07/16/91 | 07/16/91 | 07/16/91 | 07/16/91 |
| Analyte | Detection Limit, ug/L | Concentration, ug/L | | | |
| Benzene | 0.3 | <0.3 | 13 | 2 | 88 |
| Toluene | 0.3 | <0.3 | <0.3 | <0.3 | 1800 |
| Ethylbenzene | 0.3 | <0.3 | 18 | <0.3 | 390 |
| Xylene, total | 0.6 | <0.6 | 1 | 1 | 1300 |
| BTEX, total | -- | -- | 32 | 3 | 3600 |
| TPH as Gasoline | 10 | <10 | 850 | 230 | 18000 |
| Detection Limit Multiplier | | 1 | 1 | 1 | 1 |

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

Table 1 (Continued)

ANALYTICAL RESULTS

**Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Water**

EPA Methods 5030, 8020, and Modified 8015^a

| GTEL Sample Number | | 09 | | | |
|----------------------------|-----------------------|---------------------|--|--|--|
| Client Identification | | MW-A | | | |
| Date Sampled | | 07/12/91 | | | |
| Date Analyzed | | 07/16/91 | | | |
| Analyte | Detection Limit, ug/L | Concentration, ug/L | | | |
| Benzene | 0.3 | 2000 | | | |
| Toluene | 0.3 | 4200 | | | |
| Ethylbenzene | 0.3 | 4600 | | | |
| Xylene, total | 0.6 | 13000 | | | |
| BTEX, total | -- | 24000 | | | |
| TPH as Gasoline | 10 | 100000 | | | |
| Detection Limit Multiplier | | 1 | | | |

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.



4080- Pike Lane
Concord, CA 94520 800-544-3422 (In CA)
415-685-7852 800-423-7143 (Outside CA)

**CHAIN-OF-CUSTODY RECORD
AND ANALYSIS REQUEST**

72-7547

CUSTODY RECORD

ANALYSIS REQUEST

Project Manager: **John Bower** Phone #: **916 372 4700**

Address: **Sac office** Site location: **Livermore**

Project Number: **02320-0086** Project Name: **TEXACO - Livermore**

I attest that the proper field sampling procedures were used during the collection of these samples. **John R. McIntosh**

Sampler Name (Print):

- BTEX 802 8020 with MTBE
- BTEX/TPH Gas: 602/8015 8020/8015 MTBE
- TPH as Gas Diesel Jet Fuel
- Product I.D. by GC (SIMD(S)
- Total Oil & Grease: 413.1 413.2 503A
- Total Petroleum Hydrocarbons: 418.1 503E
- EPA 601 8010 DCA only
- EPA 602 8020
- EPA 608 8080 PCBs only
- EPA 610 8310
- EPA 624 8240 NS+15
- EPA 625 8270 NBS+25
- EPTOX: Metals Pesticides Herbicides
- TCLP Metals VOA SVOC
- EPA Priority Pollutant Metals HSL
- LEAD 7420 7421 299.2 500 Org. Lead
- CAM Metals STLC TLC
- Corrosivity Flashpoint Reactivity

| Field Sample ID | Source of Sample | GTEL Lab # (Lab use only) | # CONTAINERS | Matrix | | | | | | Method Preserved | | | | Sampling | | |
|-----------------|------------------|---------------------------|--------------|--------|------|-----|--------|-------|-----|------------------|--------------------------------|-----|------|----------|------|------|
| | | | | WATER | SOIL | AIR | SLUDGE | OTHER | HCl | HNO ₃ | H ₂ SO ₄ | ICE | NONE | OTHER | DATE | TIME |
| Field Blank | | | 2 | X | X | X | X | X | X | X | X | X | X | X | 7/12 | 1400 |
| Rinse | | | | X | X | X | X | X | X | X | X | X | X | X | | 1410 |
| MW-1 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1420 |
| MW-2 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1420 |
| MW-7 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1430 |
| MW-8 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1440 |
| MW-4 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1450 |
| MW-5 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1500 |
| MW-3 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1510 |
| MW-8 | | | | X | X | X | X | X | X | X | X | X | X | X | | 1520 |
| MW-A | | | | X | X | X | X | X | X | X | X | X | X | X | | 1530 |

EX

SPECIAL HANDLING

- 24 HOURS
- EXPEDITED 48 Hours
- SEVEN DAY
- OTHER _____ (#) BUSINESS DAYS
- QA/QC CLP Level Blue Level
- FAX

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

REMARKS:

Handwritten notes in remarks section

Lab Use Only

Lot #:

Storage Location

Work Order #:

Received by: *[Signature]*
Received by: *[Signature]*
Received by Laboratory: *[Signature]*

Date Time: 7/15/91 0800
Date Time: 7/15/91
Date Time: 7/15/91

Relinquished by Sampler: *[Signature]*
Relinquished by: *[Signature]*
Relinquished by: *[Signature]*

Way bill # *7/15/91-46 Carter Blawie*