

# GROUNDWATER TECHNOLOGY, INC.

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

FAX (916) 372-8781

April 24, 1992

Project No. 02320 1383

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

RE: QUARTERLY STATUS REPORT (R-2 OF 92)  
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 of February through April 1992. 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 April 2, 1992 are included.

## WORK PERFORMED

### GROUNDWATER MONITORING

Water table elevations at the site have increased an average of 1.04 feet from levels reported the previous quarter. The potentiometric surface map indicates that groundwater beneath the site flows to the north-northwest with a hydraulic gradient of approximately 0.04 (Figure 1). Historical and recent monitoring data are summarized in Table 1.

### GROUNDWATER SAMPLING

Prior to water-sample collection, the groundwater monitoring wells were purged until pH, temperature and conductivity readings were stable or until the wells bailed dry (Table 2). A Teflon<sup>®</sup> 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<sup>®</sup> septum caps, preserved on ice, and transported to a California state-certified laboratory, 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).

## GROUNDWATER ANALYTICAL RESULTS

Concentrations of TPH-G in the April 2, 1992 groundwater samples ranged from below the method detection limit (<MDL) to 27,000 parts per billion (ppb) (Figure 2). Dissolved benzene concentrations ranged from <MDL to 1,200 ppb (Figure 3). ~~Monitoring wells MW-A and MW-B which contained SP the past two quarters, did not contain SP this quarter.~~ Historical and recent analytical data are summarized in Table 3. Copies of the laboratory analyses reports and the chain-of-custody manifest for the April 2, 1992 samples are included in Attachment I.

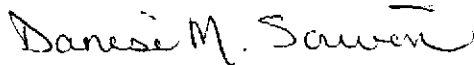
## WASTEWATER DISPOSAL

Wastewater generated during purging and sampling of the 10 monitoring wells is stored on site in Department of Transportation (DOT)-approved 55-gallon drums. Purge water is characterized as non-hazardous waste, based on the laboratory analyses of the water samples obtained from the monitoring wells. Transportation and disposal of the wastewater is performed on a quarterly basis.

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

Sincerely,


GROUNDWATER TECHNOLOGY, INC.



DANISE M. SCRIVEN  
Project Geologist



JOHN E. BOWER, R.E.A.  
Environmental Geologist  
Project Manager

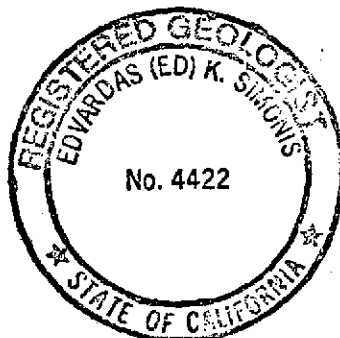


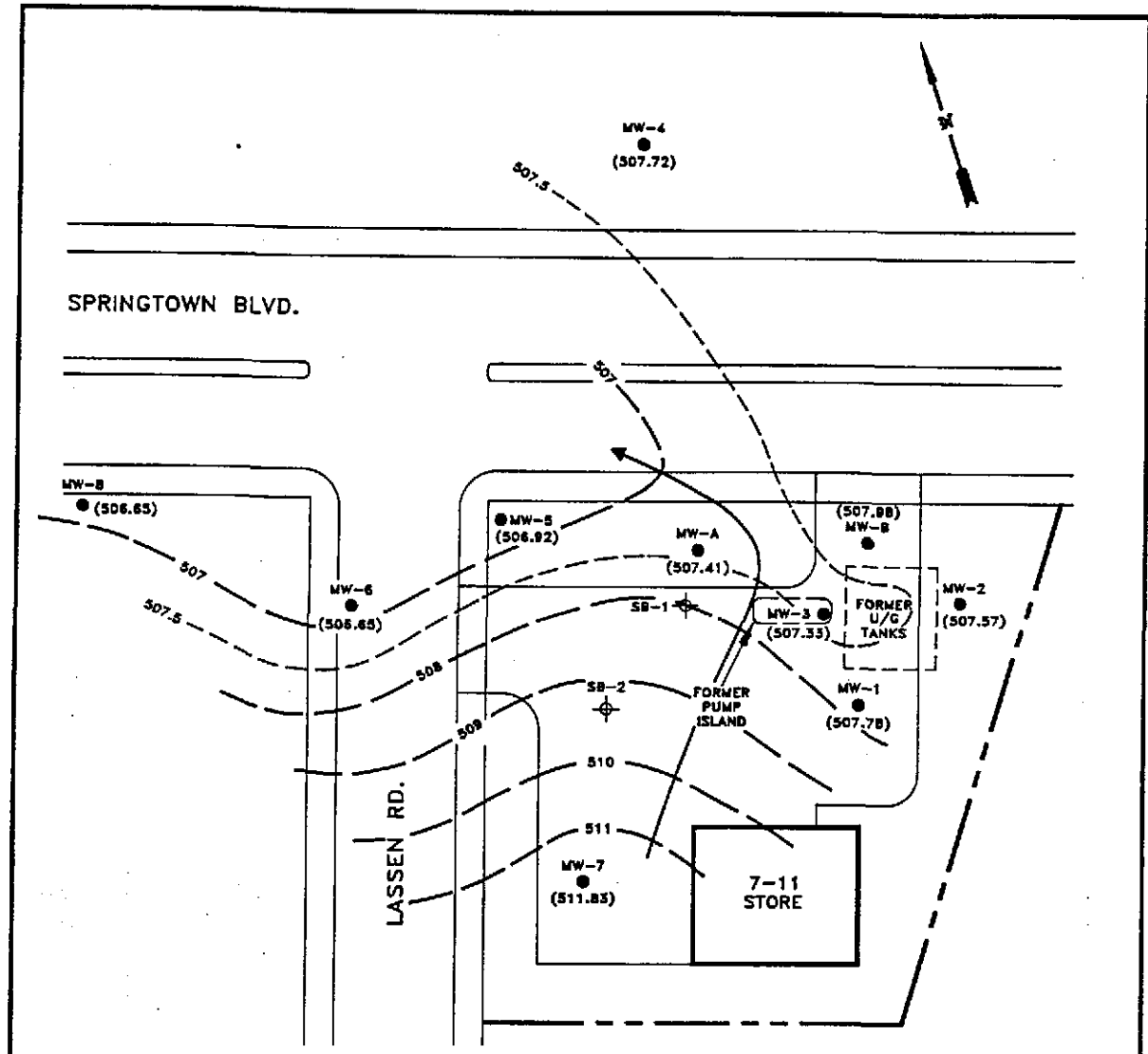
E. K. SIMONIS, R.G.  
Senior Environmental Geologist

DMS/JEB/EKS:rc

Attachments  
1383QSR.R2

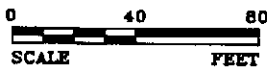
cc: Ms. Karel Detterman, Texaco Environmental Services



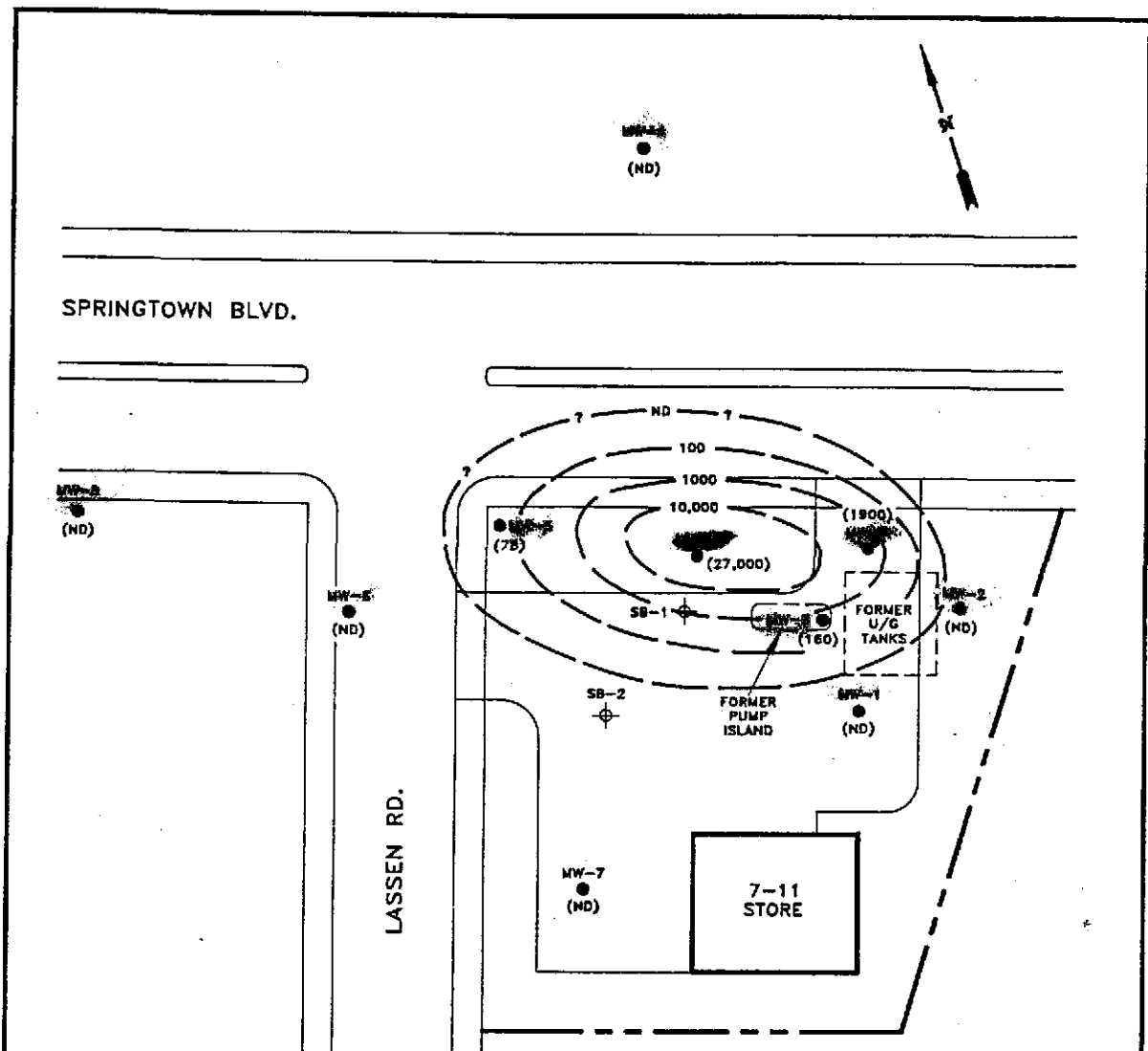


**LEGEND**

- GROUNDWATER MONITORING WELL
- ⊕ SOIL BORING
- (506.65) POTENTIOMETRIC SURFACE ELEVATION (FT.)
- POTENTIOMETRIC SURFACE; CONTOUR INTERVAL=1FT. & 0.5 FT.
- ESTIMATED GROUNDWATER FLOW DIRECTION



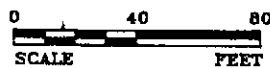
		1401 HALYARD DR. #140 W. SACRAMENTO, CA. 95661 (916) 372-4700	
REV. NO.:	DATE:	ACAD. FILE:	
1	4/10/92	POT4292	
<b>POTENTIOMETRIC SURFACE MAP</b> (DATUM: MEAN SEA LEVEL) APRIL 2, 1992			
CLIENT:		PN	
TEXACO REFINING & MARKETING INC.			
LOCATION:		PE/RD	
930 SPRINGTOWN BLVD. LIVERMORE, CALIFORNIA			
DESIGNED	DETAILED	PROJECT NO.:	FIGURE:
DS	GWS	02320-1383	1



**LEGEND**

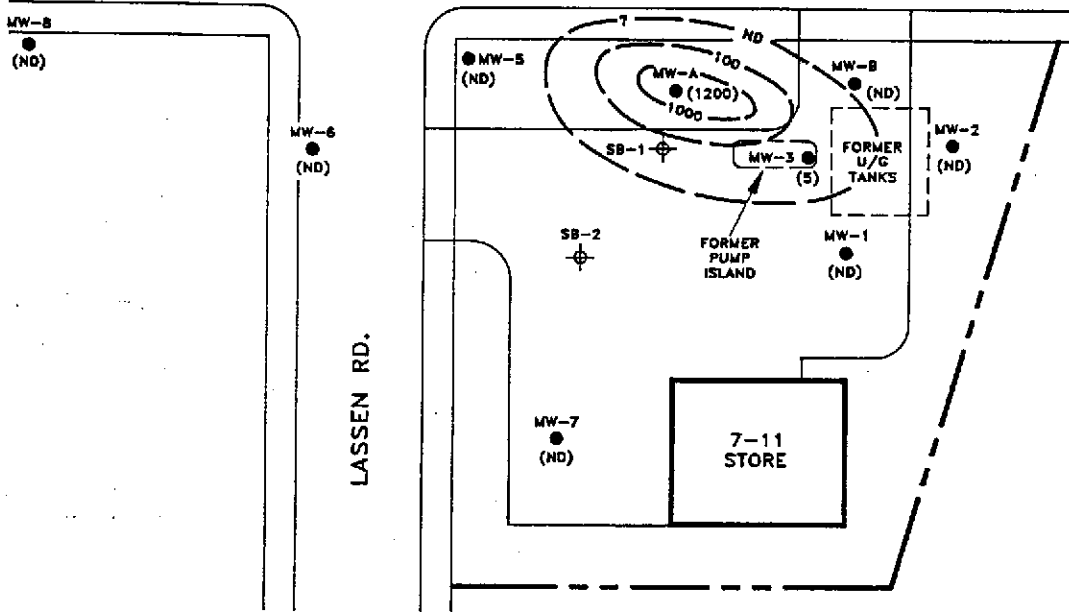
- GROUNDWATER MONITORING WELL
- ⊕ SOIL BORING
- (1900) DISSOLVED TPH-G CONCENTRATION (ppb)
- (ND) NOT DETECTABLE AT OR ABOVE METHOD DETECTION LIMIT
- LINE OF ESTIMATED EQUAL DISSOLVED TPH-G CONCENTRATION (ppb)

*plume 95 x 175'  
75 x 140'*



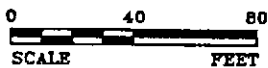
		GROUNDWATER TECHNOLOGY 1401 HALYARD DR. #140 W. SACRAMENTO, CA 95691 (916) 372-4700	
REV. NO.: 1	DATE: 4/22/92	ACAD. FILE:	TPG4292
<b>DISSOLVED TPH-G CONCENTRATION MAP</b> (IN PARTS PER BILLION [ppb]) APRIL 2, 1992			
CLIENT:		PM	
TEXACO REFINING & MARKETING INC.			
LOCATION:		PE/RG	
930 SPRINGTOWN BLVD. LIVERMORE, CALIFORNIA			
DESIGNED	DETAILED	PROJECT NO.:	FIGURE:
DS	GWS	02320-1383	2

SPRINGTOWN BLVD.



**LEGEND**

- GROUNDWATER MONITORING WELL
- ⊕ SOIL BORING
- (1200) DISSOLVED BENZENE CONCENTRATION (ppb)
- (ND) NOT DETECTABLE AT OR ABOVE METHOD DETECTION LIMIT
- LINE OF ESTIMATED EQUAL DISSOLVED BENZENE CONCENTRATION (ppb)



		<b>GROUNDWATER TECHNOLOGY</b> 1401 HAYWARD DR. #140 W. SACRAMENTO, CA. 95661 (916) 372-4700	
REV. NO.:	DATE:	ACAD. FILE:	
1	4/22/92	BEN4292	
<b>DISSOLVED BENZENE CONCENTRATION MAP</b> (IN PARTS PER BILLION [ppb]) APRIL 2, 1992			
CLIENT:		PM	
TEXACO REFINING & MARKETING INC.			
LOCATION:		PE/RG	
930 SPRINGTOWN BLVD. LIVERMORE, CALIFORNIA			
DESIGNED	DETAILED	PROJECT NO.:	FIGURE:
DS	GWS	02320-1383	3

**Table 1**  
**CUMULATIVE GROUNDWATER MONITORING SUMMARY**  
(in feet)

Former Texaco Service Station  
930 Springtown Boulevard  
Livermore, California

WELL I. D.	DATE MONITORED	WELL ELEVATION	DEPTH TO WATER	WATER TABLE ELEVATION	COMMENTS
MW-A	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 SP
	01/02/92		13.61	506.24	Trace SP
	04/02/92		12.44	507.41	
MW-B	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 SP
	01/02/92		11.27	506.89	Trace SP
	04/02/92		10.18	507.98	
MW-1	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	
MW-2	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	
MW-3	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	
MW-4	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	

Table 1 (continued)

WELL I.D.	DATE MONITORED	WELL ELEVATION	DEPTH TO WATER	WATER TABLE ELEVATION	COMMENTS
MW-5	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	
MW-6	01/10/91	522.26	16.31	505.95	
	04/04/91		15.19	507.07	
	07/12/91		NA	NA	
	10/04/91		16.90	505.36	
	01/02/92		16.64	505.62	
	04/02/92		15.61	506.65	
MW-7	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	
MW-8	01/10/91	524.04	18.03	506.01	
	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	

**NOTES:**

SP = Separate-phase petroleum hydrocarbons

NA = Not Available

GMSTAB1.WK1

**Table 2**  
**pH, TEMPERATURE AND CONDUCTIVITY FIELD DATA**  
 April 2, 1992

Texaco Service Station  
 930 Springtown Boulevard  
 Livermore, California

WELL I.D.	GALLONS PURGED	pH	TEMPERATURE (°F)	CONDUCTIVITY (mhos)
MW-A	Initial	7.2	69	1,180
	2	7.1	69	1,200
	4	7.0	68	1,200
	6	6.9	68	1,200
	8	6.9	68	1,200
MW-B	Initial	7.1	69	1,190
	2	7.0	69	1,210
	4	6.9	68	1,220
	6	6.9	68	1,230
	8	6.9	68	1,230
MW-1	Initial	7.7	68	1,110
	2	7.7	67	1,130
	4	7.6	67	1,120
	6	7.6	66	1,110
	8	7.6	66	1,110
MW-2	Initial	8.1	68	1,060
	2	7.9	67	1,090
	4	7.7	66	1,100
	6	7.6	66	1,080
	8	7.7	65	1,090
	10	7.7	65	1,090
MW-3	Initial	7.4	69	1,010
	2	7.3	69	1,040
	4	7.3	68	1,050
	6	7.4	68	1,060
	8	7.4	68	1,060
	10	Dry	Dry	Dry
MW-4	Initial	8.0	67	1,060
	2	7.8	66	1,090
	4	7.8	66	1,100
	6	7.7	65	1,080
	8	7.6	65	1,090
	10	7.6	65	1,090



Table 2 (continued)

WELL I.D.	GALLONS PURGED	pH	TEMPERATURE (°F)	CONDUCTIVITY (mhos)
MW-5	Initial	8.0	68	1,080
	2	7.8	67	1,100
	4	7.7	67	1,110
	6	7.7	66	1,110
	8	7.7	66	1,110
MW-6	Initial	7.9	68	1,080
	2	7.7	67	1,100
	4	7.7	66	1,110
	6	7.6	65	1,100
	8	7.6	65	1,100
MW-7	Initial	7.9	68	1,070
	2	7.8	67	1,090
	4	7.6	67	1,100
	6	7.6	66	1,110
	8	7.5	65	1,100
	10	7.6	65	1,100
MW-8	Initial	7.9	67	1,050
	2	7.7	65	1,070
	4	7.6	64	1,090
	6	7.6	64	1,100
	8	7.6	64	1,080
	10	7.6	64	1,090
	12	7.6	64	1,090

PTCOTAB2.WK1

**Table 3**  
**CUMULATIVE GROUNDWATER ANALYSES SUMMARY**

(in ██████████)

Former Texaco Service Station  
930 Springtown Boulevard  
Livermore, California

WELL I.D.	DATE SAMPLED	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TPH-G
MW-A	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
	10/04/91	SP	SP	SP	SP	SP
	01/02/92	SP	SP	SP	SP	SP
	04/02/92	1,200	570	1,700	2,300	██████████
MW-B	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
	10/04/91	SP	SP	SP	SP	SP
	01/02/92	SP	SP	SP	SP	SP
	04/02/92	ND	39	24	35	1,900
MW-1	01/10/91	ND	ND	ND	ND	ND
	04/04/91	ND	ND	ND	ND	ND
	07/12/91	ND	ND	3	16	390
	10/04/91	1	ND	ND	ND	ND
	01/02/92	6	ND	ND	ND	16
	04/02/92	ND	ND	ND	ND	ND
MW-2	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	0.3	ND	ND	ND	ND
	01/02/92	ND	ND	ND	ND	ND
	04/02/92	ND	ND	ND	ND	ND
MW-3	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
	10/04/91	0.5	2	ND	0.5	360
	01/02/92	0.4	ND	ND	ND	340
	04/02/92	5	ND	0.3	0.5	160
MW-4	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	0.6	ND	ND	ND	ND
	01/02/92	ND	ND	ND	ND	ND
	04/02/92	ND	ND	ND	ND	ND

Table 3 (continued)

Page 2

WELL I.D.	DATE SAMPLED	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	TPH-G
MW-5	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
	10/04/91	240	13	34	14	2,000
	01/02/92	74	41	84	94	1,800
	04/02/92	ND	ND	ND	ND	78
MW-6	01/10/91	ND	ND	ND	ND	ND
	04/04/91	ND	ND	ND	ND	ND
	07/12/91	--	--	--	--	--
	10/04/91	0.3	ND	ND	ND	ND
	01/02/92	ND	0.3	0.6	3	23
	04/02/92	ND	ND	ND	ND	ND
MW-7	01/10/91	ND	ND	ND	ND	ND
	04/04/91	ND	ND	ND	ND	ND
	07/12/91	--	--	--	--	--
	10/04/91	--	--	--	--	--
	01/02/92	--	--	--	--	--
	04/02/92	ND	ND	ND	ND	ND
MW-8	01/10/91	ND	ND	ND	ND	ND
	04/04/91	--	--	--	--	--
	07/12/91	--	--	--	--	--
	10/04/91	--	--	--	--	--
	01/02/92	32	980	200	760	12,000
	04/02/92	ND	ND	ND	ND	ND

explain?

## Notes:

ND = Not detected at or above the method detection limit

TPH-G = Total petroleum hydrocarbons-as-gasoline

SP = Separate-phase petroleum hydrocarbons

-- = Not sampled

GASTAB3.WK1



Client Number: GT171TEX01  
Consultant Project Number: 0232013P3  
Project ID: Livermore  
Work Order Number: C2-04-135

**Northwest Region**  
4080-C Pike Lane  
Concord, CA 94520  
(510) 685-7852  
(800) 544-3422 from inside California  
(800) 423-7143 from outside California  
(510) 825-0720 (FAX)

April 11, 1992

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

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 04/03/92, under chain of custody records 22165 and 22166.

A formal Quality Control/Quality Assurance (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

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.

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.

*Rose Condit*  
Eileen F. Bullen  
Laboratory Director

**Table 1**

**ANALYTICAL RESULTS**

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

EPA Methods 5030, 8020, and Modified 8015a

GTEL Sample Number		01	02	03	04
Client Identification		MW 8	MW 7	MW 4	MW 6
Date Sampled		04/02/92	04/02/92	04/02/92	04/02/92
Date Analyzed		04/06/92	04/07/92	04/07/92	04/07/92
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	<0.3	<0.3
Xylene, total	0.5	<0.5	<0.5	<0.5	<0.5
BTEX, total	--	--	--	--	--
Gasoline	10	<10	<10	<10	<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<sup>a</sup>

GTEL Sample Number		05	06	07	08
Client Identification		MW 2	MW 1	MW 3	MW 5
Date Sampled		04/02/92	04/02/92	04/02/92	04/02/92
Date Analyzed		04/07/92	04/07/92	04/08/92	04/07/92
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	<0.3	5	<0.3
Toluene	0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	0.3	<0.3	<0.3	0.3	<0.3
Xylene, total	0.5	<0.5	<0.5	0.5	<0.5
BTEX, total	--	--	--	6	--
Gasoline	10	<10	<10	160	78
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 8015a

GTEL Sample Number		09	10	11	12
Client Identification		MW A	MW B	RINSATE MW8	FIELD BLANK
Date Sampled		04/02/92	04/02/92	04/02/92	04/02/92
Date Analyzed		04/07/92	04/07/92	04/08/92	04/07/92
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	1200	<0.3	<0.3	<0.3
Toluene	0.3	570	39	<0.3	<0.3
Ethylbenzene	0.3	1700	24	<0.3	<0.3
Xylene, total	0.5	2300	35	<0.5	<0.5
BTEX, total	--	5800	98	--	--
Gasoline	10	27000	1900	<10	<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.

**0204192 REQUEST BOX**

Company Name: GroundWater Technology Phone #: 916-372-4700  
 Company Address: 1401 Halgard Rd St. 140 FAX #: 372-8781  
W/ Sacramento, Ca Site location: Livermore  
 Project Manager: John Bower Client Project ID: (#) 023201383030504  
 I attest that the proper field sampling procedures were used during the collection of these samples. (NAME) Texaco  
 Sampler Name (Print): Steven Thompson

BTEX/602 <input type="checkbox"/>	8020 <input type="checkbox"/>	with MTBE <input type="checkbox"/>	BTEX/Gas Hydrocarbons PID/FID <input type="checkbox"/>	with MTBE <input type="checkbox"/>
Hydrocarbons GC/FID Gas <input type="checkbox"/>	Diesel <input type="checkbox"/>	Screen <input type="checkbox"/>	Hydrocarbon Profile (SIMDIS) <input type="checkbox"/>	
Oil and Grease 413.1 <input type="checkbox"/>	413.2 <input type="checkbox"/>	SM 509 <input type="checkbox"/>	TPH/IR 418.1 <input type="checkbox"/>	SM 503 <input type="checkbox"/>
EDB by 504 <input type="checkbox"/>	DBCP by 504 <input type="checkbox"/>	EPA 503.1 <input type="checkbox"/>	EPA 502.2 <input type="checkbox"/>	EPA 601 <input type="checkbox"/>
EPA 602 <input type="checkbox"/>	EPA 8020 <input type="checkbox"/>	EPA 608 <input type="checkbox"/>	8080 <input type="checkbox"/>	PCB only <input type="checkbox"/>
EPA 624/PPL <input type="checkbox"/>	8240/TAL <input type="checkbox"/>	NBS (+15) <input type="checkbox"/>	EPA 625/PPL <input type="checkbox"/>	8270/TAL <input type="checkbox"/>
NBS (+25) <input type="checkbox"/>	EPA 610 <input type="checkbox"/>	8310 <input type="checkbox"/>	EP TOX Metals <input type="checkbox"/>	Pesticides <input type="checkbox"/>
Herbicides <input type="checkbox"/>	TCLP Metals <input type="checkbox"/>	VOA <input type="checkbox"/>	Semi-VOA <input type="checkbox"/>	Pest <input type="checkbox"/>
Herb <input type="checkbox"/>	EPA Metals - Priority Pollutant <input type="checkbox"/>	TAL <input type="checkbox"/>	RCRA <input type="checkbox"/>	CAM Metals ITLC <input type="checkbox"/>
STLC <input type="checkbox"/>	Lead 239.2 <input type="checkbox"/>	200.7 <input type="checkbox"/>	7420 <input type="checkbox"/>	7421 <input type="checkbox"/>
6010 <input type="checkbox"/>	Organic Lead <input type="checkbox"/>	Corrosivity <input type="checkbox"/>	Flash Point <input type="checkbox"/>	Reactivity <input type="checkbox"/>

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix						Method Preserved				Sampling		
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE	UNPRESERVED	OTHER (SPECIFY)	DATE
MW 8	<b>0204192</b>	2	<input checked="" type="checkbox"/>											4/2	1:40
7															1:50
4															2:00
6															2:10
2															2:20
1															2:30
3															2:40
5															2:50
A															3:00
B															3:10

*Steven Thompson*  
4/19/92

TAT  
 Priority (24 hr)   
 Expedited (48 hr)   
 7 Business Days   
 Other   
 Business Days

Special Handling  
 GTEL Contact \_\_\_\_\_  
 Quote/Contract # \_\_\_\_\_  
 Confirmation # \_\_\_\_\_  
 PO # \_\_\_\_\_

SPECIAL DETECTION LIMITS  
**192**

SPECIAL REPORTING REQUIREMENTS  
 FAX

REMARKS  
**2 Week Turnaround**

Lab Use Only Lot # \_\_\_\_\_ Storage Location \_\_\_\_\_

QA/QC LEVEL  
 BLUE  CLP  OTHER \_\_\_\_\_

Relinquished by Sampler: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_

**CUSTODY RECORD**

Work Order # \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by: \_\_\_\_\_  
 Received by Laboratory: \_\_\_\_\_  
 Waybill # 74350

Date: 4/2/92 Time: 4:55  
 Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Date: 4/3/92 Time: 4:25





4080 PIKE LANE, SUITE C  
 CONCORD, CA 94520  
 (510) 685-7852  
 (800) 423-7143

CHAIN-OF-CUSTODY RECORD  
 AND ANALYSIS REQUEST

22165

Company Name: Ground Water Technology Phone #: 916-372-4700  
 Company Address: 401 Holgard Rd Ste. 140 Site location: Livermore.  
W/Sacramento, Ca  
 Project Manager: John Bower Client Project ID: (#) 023201383 030504  
 (NAME) Texaco  
 I attest that the proper field sampling procedures were used during the collection of these samples. Sampler Name (Print): Steven Thompson

BTEX/602  8020  with MTBE   
 BTEX/Gas Hydrocarbons PID/FID  with MTBE   
 Hydrocarbons GC/FID Gas  Diesel  Screen   
 Hydrocarbon Profile (SIMDIS)   
 Oil and Grease 413.1  413.2  SM 503   
 TPH/R 418.1  SM 503   
 EDB by 504  DBCP by 504   
 EPA 503.1  EPA 502.2   
 EPA 601  EPA 8010   
 EPA 602  EPA 8020   
 EPA 608  8080  PCB only   
 EPA 824/PPL  8240/TAL (1 NBS (+15))   
 EPA 825/PPL  8270/TAL  NBS (+25)   
 EPA 610  8310   
 EP TOX Metals  Pesticides  Herbicides   
 TCLP Metals  VOA  Semi-VOA  Pest  Herb   
 EPA Metals - Priority Pollutant  TAL  RCRA   
 CAM Metals TTLG  STL   
 Lead 239.2  200.7  7420  7421  6010   
 Organic Lead   
 Corrosivity  Flash Point  Reactivity

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix						Method Preserved						Sampling	
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE	UNPRESERVED	OTHER (SPECIFY)	DATE	TIME
<u>Resatz MW 8</u>	<u>112</u>	<u>2</u>	<u>✓</u>					<u>✓</u>							<u>4/2</u>	<u>1:30</u>
<u>Field Blank</u>	<u>112</u>	<u>2</u>	<u>✓</u>					<u>✓</u>							<u>"</u>	<u>1:35</u>

TAT

Priority (24 hr)   
 Expedited (48 hr)   
 7 Business Days   
 Other \_\_\_\_\_   
 Business Days

Special Handling

QA / QC LEVEL

BLUE  CLP  OTHER \_\_\_\_\_ FAX

SPECIAL DETECTION LIMITS

200

SPECIAL REPORTING REQUIREMENTS

REMARKS

2 Week Turnaround

Lab Use Only Lot # \_\_\_\_\_ Storage Location: \_\_\_\_\_

Work Order # \_\_\_\_\_

CUSTODY RECORD

Relinquished by Sampler: [Signature]

Relinquished by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_ Date: 4/2/92 Time: 4:55

Received by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by Laboratory: Jamie Davis Date: 4/3/92 Time: 4:25

Waybill # 74356