5TD435

TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services
1461 Newport Avenue
San Jose, California 95125
(408) 292-3266 / Fax (408) 298-6591

ENVIRONMENTAL PROTECTION
96 SEP 30 PM 3:19

Exposure Assessment/Estimation
Quantitative Risk Assessments
Industrial Hygiene
Regulatory Compliance Programs
Real Property Environmental Assessments
Compliance Audits
Air Pollution Dispersion Modeling
Hazardous Waste Management
Air Sampling and Analysis

Thomas Peacock, Manager
Division of Environmental Protection
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway # 250
Alameda, CA 94501-6577

Sept. 25, 1998

Re: **Quarterly Monitoring Report - Second Quarter 1998**
Former Texaco Service Station
3810 Broadway
Oakland, California

On behalf of Equilon Enterprises LLC, this letter transmits the results of second quarter 1998 groundwater monitoring and sampling conducted at the site referenced above. If you have any questions or comments regarding this site, please contact me at your convenience at (408) 292-3266.

Sincerely,

Daniel W. Hernandez
President

Enclosure

cc: Ms. Karen Petryna, Equiva Services LLC, P.O. Box 8080, Martinez, CA 94553

LOP - CHANGE RECORD REQUEST FORM

printed: 10/29/98

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

Insp:

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 12035
StID : 435 LOC: 11/25/97
SITE NAME: Express Auto Clinic DATE REPORTED : 05/15/91
ADDRESS : 3810 Broadway DATE CONFIRMED: 05/15/91
CITY/ZIP : Oakland 94611 MULTIPLE RPs : Y

SITE STATUS

CASE TYPE: U CONTRACT STATUS: 4 PRIOR CODE:2B4 EMERGENCY RESP: -0-
RP SEARCH: S DATE COMPLETED: 03/04/92
PRELIMINARY ASMNT: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
REM INVESTIGATION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
REMEDIAL ACTION: - DATE UNDERWAY: -0- DATE COMPLETED: -0-
POST REMED ACT MON:- DATE UNDERWAY: -0- DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 03/04/92
LUFT FIELD MANUAL CONSID: 1HSCAW
CASE CLOSED: - DATE CASE CLOSED: -0-
DATE EXCAVATION STARTED : 05/01/91 REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Gerald Friedkin
COMPANY NAME: Friedkin-Becker
ADDRESS: 300 Grand Avenue
CITY/STATE: Oakland CA 94610

RP#2-CONTACT NAME: Robert Robles
COMPANY NAME: Texaco Refining & Marketing
ADDRESS: 10 Universal City Plaza
CITY/STATE: Universal City, Ca 91608

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only

ANNPGMS _____ LOP____ DATE _____

Case Progress Changes

LOP _____ DATE _____

Barry - can you take over this case?

Thanks

Tom

State Water Resources Control Board
UST Cleanup Fund
CLAIMS PROCESSING STAFF

	-TEAM LEADER- *Eligibility Issues* *Permit & Compliance* *Letters of Commitment*	-PAYMENT REVIEWER- *Reimbursement Requests* *Verification of Payment* *Costs incurred by Claimant*	-TECHNICAL REVIEWER- *3-Bid Information* *Reasonable Costs* *Eligible/Ineligible/Pending Costs*
REGION 1	Francine Aguirre 227-4427	Shari Landau 227-4366	Chris Smith 227-0742
REGION 2	Francine Aguirre 227-4427	Anna Cervin 227-4388	Christopher Stevens Steve Marquez 227-4519 / 227-0746
REGION 3	Diana Romero 227-4419	Linda Sanborn 227-0747	Patrick Wheeler 227-0743
REGION 4	Toru Okamoto 227-4406	Daphne Kelley LuAnn Rolland 227-4515 / 227-4386	James DiGiorgio *227-0745
REGION 5	Lydia Bracco 227-4374	Nancy Callsen Sylvia Shorter 227-4311 / 227-4336	George Lockwood 227-4424
REGION 6	Vicki Bouvia 227-4513	Robert Walker 227-4362	Chuck Arnold 227-4518
REGION 7	Vicki Bouvia 227-4513	Robert Walker 227-4362	Chuck Arnold 227-4518
REGION 8	Vicki Bouvia 227-4513	Robert Walker 227-4362	Chuck Arnold 227-4518
REGION 9	Diana Romero 227-4419	Linda Sanborn 227-0747	Patrick Wheeler 227-0743

FOR GENERAL INFORMATION, CALL (800) 813-FUND OR FAX (916) 227-4530
ALL TELEPHONE NUMBERS LISTED ABOVE ARE IN THE (916) AREA CODE

10/17/95

BLAINE
TECH SERVICES inc

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

September 17, 1998

Groundwater Monitoring and Sampling
Second Quarter, 1998
at the
Former Texaco Service Station
3810 Broadway
Oakland, CA

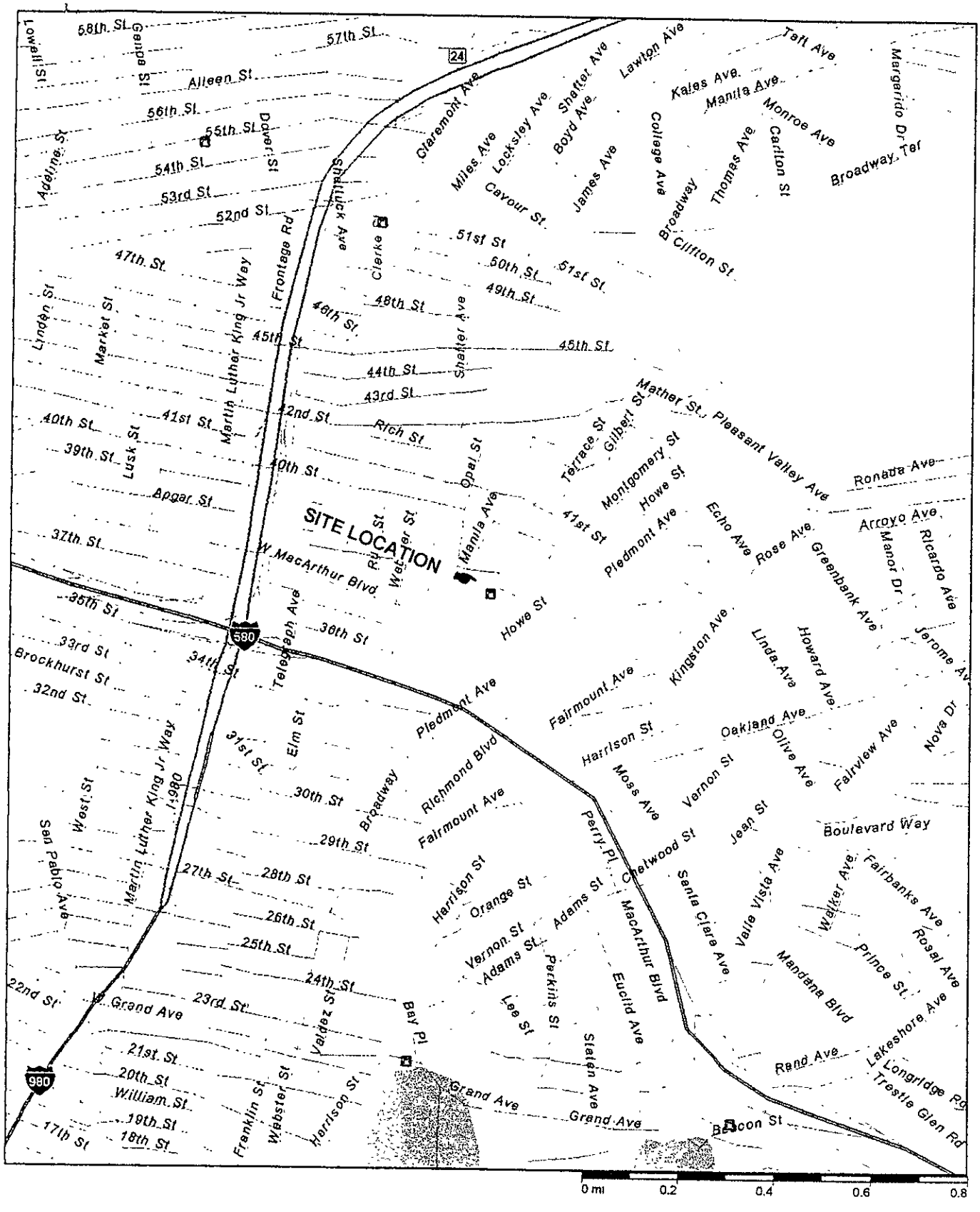
This report presents the results of groundwater monitoring and sampling conducted by Blaine Tech Services, Inc. on June 18, 1998 at the site referenced above (see Figure 1, Site Vicinity Map). Based on groundwater level measurements, the areal hydraulic gradient was estimated to be east. The gradient map has been reviewed by a registered professional (see Figure 2, Groundwater Gradient Map). TPHg and benzene concentrations are shown on Figure 3. Tables 1 and 2 list historical groundwater monitoring data and analytical results, respectively. Well MW-3 was not sampled due to the presence of separate phase hydrocarbons.

The certified analytical report, chain-of-custody, field data sheets, bill of lading, and quarterly summary report are in the Appendix. Equilon Enterprises LLC's Standard Operating Procedures may be found in the first quarter, 1998 monitoring report.

Erika Wolski for:

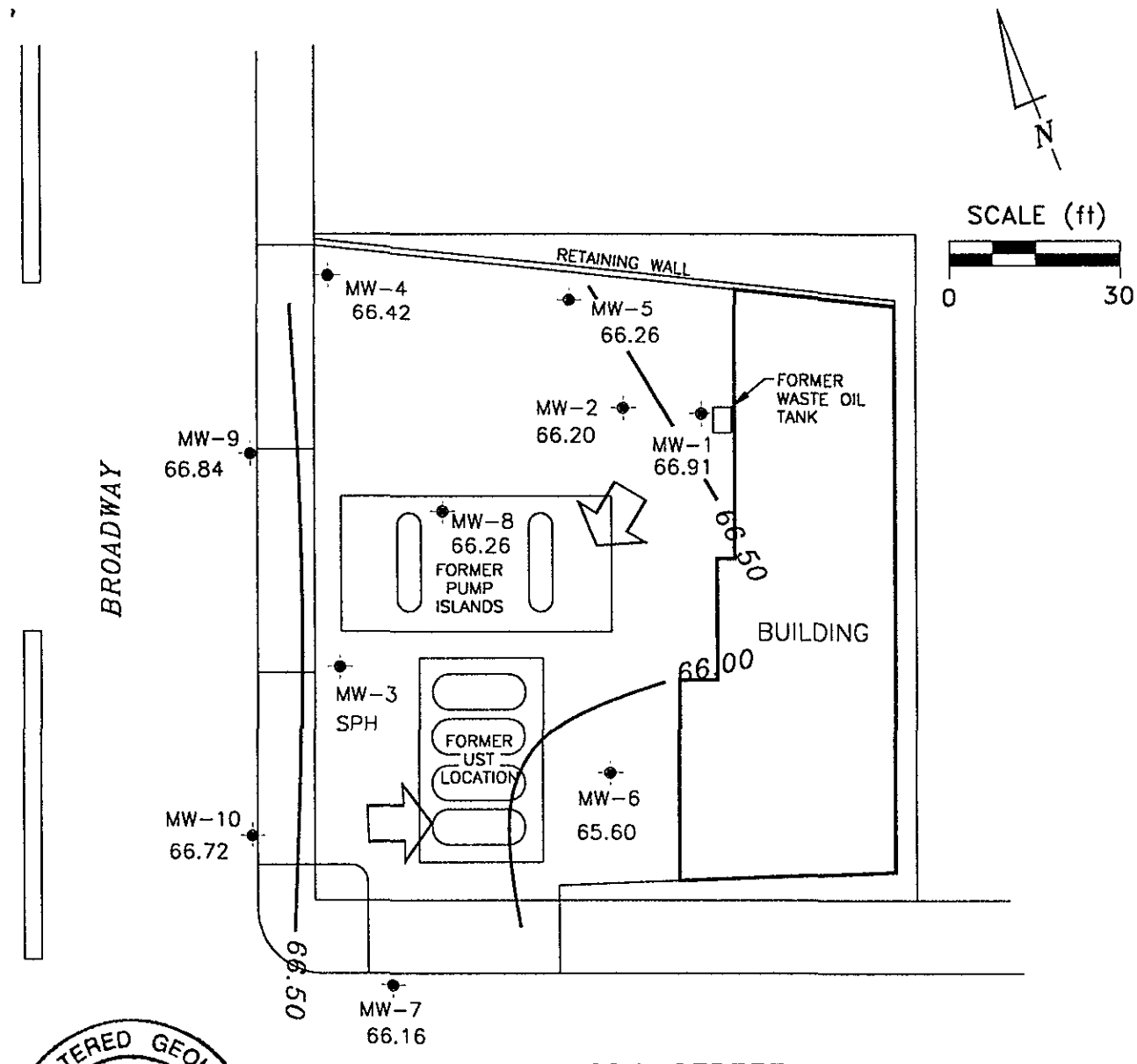
Deidre Kerwin
Operations Manager
Blaine Tech Services, Inc.

DK:mc



Site Vicinity Map

Former Texaco Service Station, 3810 Broadway, Oakland, CA



REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4976
STATE OF CALIFORNIA

EXPLANATION

- MONITORING WELL
- 67.86 GROUNDWATER ELEVATION (FT, MSL)
- 66.00 GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- SPH SEPARATE-PHASE HYDROCARBONS
- NA DATA NOT AVAILABLE
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.02

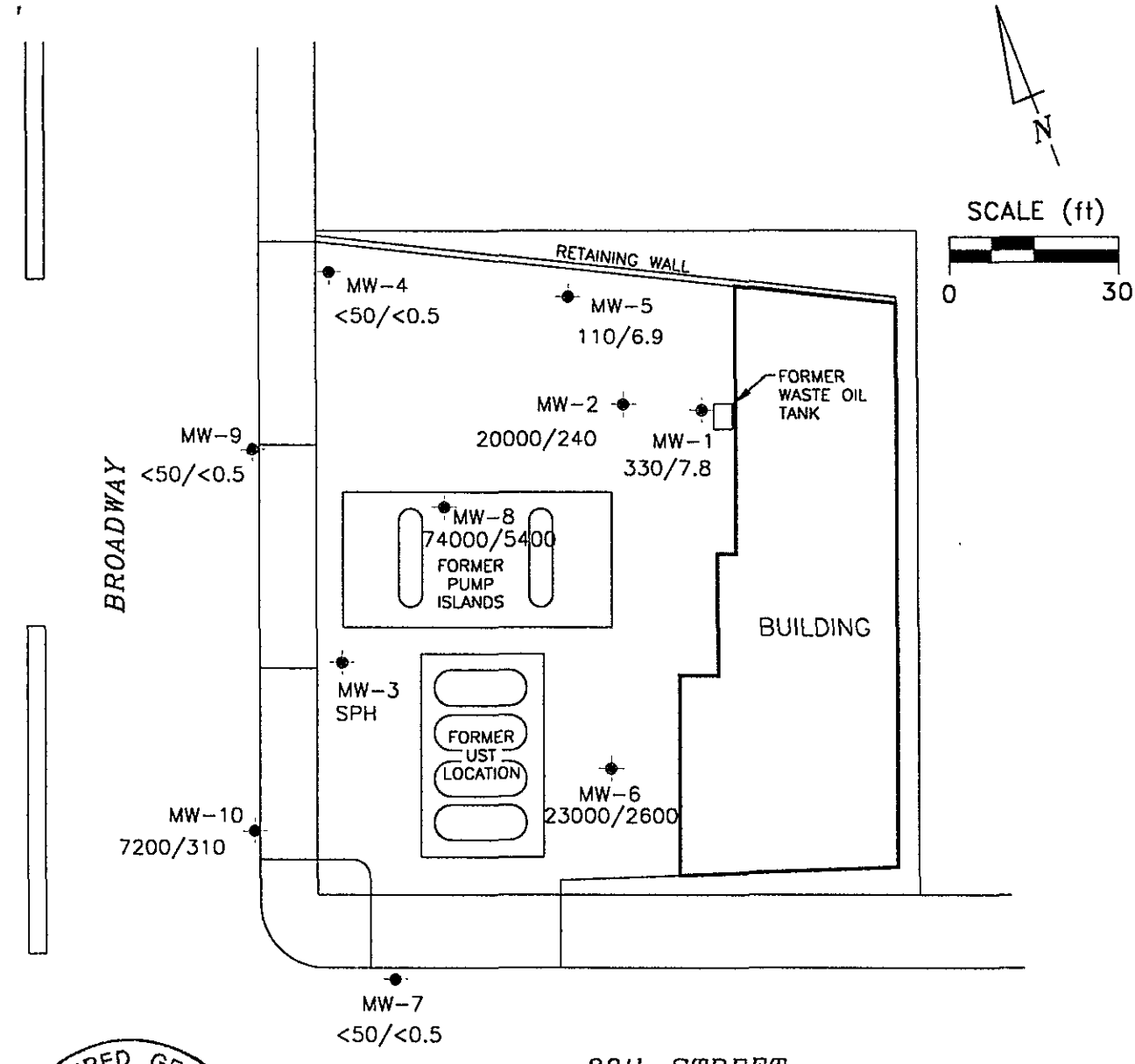
Reference: BR-QA.dwg
Basemap from Fluor Daniel GTI

PREPARED BY
RRM
engineering contracting firm

FORMER TEXACO SERVICE STATION
3810 Broadway
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, JUNE 18, 1998

FIGURE:
2
PROJECT:
DAC04



REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4976
9/98
STATE OF CALIFORNIA

EXPLANATION

- MONITORING WELL

<50/<0.5 TPHg/BENZENE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION

SPH SEPARATE-PHASE HYDROCARBONS

Reference: BR-0A.dwg
Basemap from Fluor Daniel GTI

PREPARED BY

RRM
engineering contracting firm

FORMER TEXACO SERVICE STATION
3810 Broadway
Oakland, California

TPHg/BENZENE CONCENTRATION MAP, JUNE 18, 1998

FIGURE: 3

PROJECT: DAC04

Table 1
Groundwater Elevation Data
3810 Broadway, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	Floating Product
MW-1	06/28/96	86.69	21.77	64.92	0.00
	10/10/96	86.69	23.26	63.43	0.00
	11/07/96	86.69	23.27	63.42	0.00
	12/18/97	86.69	19.70	66.99	0.00
	04/06/98	86.69	16.88	69.81	0.00
	06/18/98	86.69	19.78	66.91	0.00
MW-2	06/28/96	85.83	22.10	63.73	1.35
	10/10/96	85.83	22.36	63.47	0.00
	11/07/96	85.83	22.39	63.45	0.01
	12/18/97	85.83	20.19	65.64	0.00
	04/06/98	85.83	18.00	67.83	0.00
	06/18/98	85.83	19.63	66.20	0.00
MW-3	06/28/96	83.18	19.04	64.14	0.00
	10/10/96	83.18	19.51	63.67	0.00
	11/07/96	NA	19.40	19.84	0.00
	12/18/97	83.18	18.79	64.39	0.00
	04/06/98	83.18	16.58	66.64	0.05
	06/18/98	83.18	NA*	NA	>2.0
MW-4	06/28/96	83.31	18.83	64.48	0.00
	10/10/96	83.31	19.84	63.47	0.00
	11/07/96	83.31	19.84	63.47	0.00
	12/18/97	83.31	17.77	65.54	0.00
	04/06/98	83.31	15.45	67.86	0.00
	06/18/98	83.31	16.89	66.42	0.00
MW-5	10/10/96	85.41	21.93	63.48	0.00
	11/07/96	85.41	21.96	63.45	0.00
	12/18/97	85.41	19.81	65.60	0.00
	04/06/98	85.41	17.43	67.98	0.00
	06/18/98	85.41	19.15	66.26	0.00
MW-6	10/10/96	86.09	22.44	63.65	0.00
	11/07/96	86.09	22.60	63.49	0.00
	12/18/97	86.09	22.28	63.81	0.00
	04/06/98	86.09	19.90	66.19	0.00
	06/18/98	86.09	20.49	65.60	0.00

Table 1
Groundwater Elevation Data
3810 Broadway, Oakland, CA

Well Number	Date Gauged	Top of Casing Elevation (feet, MSL)	Depth to Water (feet, TOC)	Elevation of Groundwater (feet, MSL)	Floating Product
MW-7	10/10/96	84.11	20.78	63.33	0.00
	11/07/96	84.11	20.80	63.31	0.00
	12/18/97	84.11	17.27	66.84	0.00
	04/06/98	84.11	15.91	68.20	0.00
	06/18/98	84.11	17.95	66.16	0.00
MW-8	10/10/96	84.01	20.82	63.19	0.00
	11/07/96	84.01	20.44	63.57	0.00
	12/18/97	84.01	19.36	64.65	0.00
	04/06/98	84.01	16.19	67.82	0.00
	06/18/98	84.01	17.75	66.26	0.00
MW-9	10/10/96	82.17	18.62	63.55	0.00
	11/07/96	NA	63.53	63.53	0.00
	12/18/97	82.17	16.42	65.75	0.00
	04/06/98	82.17	14.00	68.17	0.00
	06/18/98	82.17	15.33	66.84	0.00
MW-10	10/10/96	81.83	18.40	63.43	0.00
	11/07/96	81.83	18.43	63.40	0.00
	12/18/97	81.83	16.18	65.65	0.00
	04/06/98	81.83	14.39	67.44	0.00
	06/18/98	81.83	15.11	66.72	0.00
* Free product could not be accurately measured (>2.0 feet of product in well).					
TOC= Top of Casing Elevation					
MSL= Mean Sea Level					
NA= Data Not Available					

Table 2
Groundwater Analytical Data
3810 Broadway, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)	TPHd (ppb)
MW-1	06/28/96	<100	<0.5	<1.0	<1.0	<2.0	--	<50
	10/10/96	520	9.2	53	17	70	22/16*	<400
	11/07/96	--	--	--	--	--	--	--
	12/18/97	2,200	<3	<3	<3	<3	<200	<50
	04/06/98	1,600	16.4	0.8	<0.5	<0.5	38.3	<50
	06/18/98	330	7.8	<0.5	<0.5	<0.5	<0.5	280
MW-2	06/28/96	--	--	--	--	--	--	
	10/10/96	99,000	4,100	9,400	2,300	9,900	390/<25*	1,800
	12/18/97	24,000	600	1,800	750	2,400	<2000	4,700
	04/06/98	20,100	252	448	430	1,410	<200	9.5
	06/18/98	20,000	240	370	270	790	<50	5,200
MW-3	06/28/96	--	--	--	--	--	--	
	10/10/96	110,000	6,600	16,000	2,200	12,000	<250	1,200
	11/07/96	--	--	--	--	--	--	--
	12/18/97	180,000	1,500	16,000	4,600	23,000	<3000	6,100,000
	04/06/98	SPH	SPH	SPH	SPH	SPH	SPH	SPH
	06/18/98	SPH	SPH	SPH	SPH	SPH	SPH	SPH
MW-4	06/28/96	<100	<0.5	<1.0	<1.0	<2.0	--	<50
	10/10/96	650	3.9	65	22	120	<5.0	<50
	11/07/96	--	--	--	--	--	--	--
	12/18/97	<50	<0.5	<0.5	<0.5	<0.5	<30	2,000
	04/06/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<50
	06/18/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	53
MW-5	10/10/96	1,800	34	4.7	11	44	21/5.0*	<50
	11/07/96	--	--	--	--	--	--	--
	12/18/97	1,200	15	<1	15	<1	72	<50
	04/06/98	1,000	126	0.5	0.8	1.5	<30	<50
	06/18/98	110	6.9	<0.5	<0.5	<0.5	<0.5	100
MW-6	10/10/96	45,000	8,300	2,900	810	3,100	190/40*	500
	11/07/96	--	--	--	--	--	--	--
	12/18/97	60,000	12,000	9,800	1,800	8,600	<2000	1,900
	04/06/98	30,500	5,950	3,720	952	3,750	<1000	<50
	06/18/98	23,000	2,600	540	410	1,300	<250	1,100
MW-7	10/10/96	<50	0.6	<0.5	<0.5	<0.5	<5.0	<50
	11/07/96	--	--	--	--	--	--	--
	12/18/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<50
	04/06/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<50
	06/18/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50

Table 2
Groundwater Analytical Data
3810 Broadway, Oakland, CA

Well Number	Date Sampled	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MTBE (ppb)	TPHd (ppb)
MW-8	10/10/96	17,000	1,300	1,200	64	1,300	110/<5.0*	110
	11/07/96	--	--	--	--	--	--	--
	12/18/97	15,000	3,600	1,800	410	930	<600	630
	04/06/98	32,300	8,230	5,900	718	2,120	<1000	<50
	06/18/98	74,000	5,400	4,500	700	2,200	2,400	<50
MW-9	10/10/96	80	2.5	13	2.2	13	<5.0	520
	11/07/96	--	--	--	--	--	--	--
	12/18/97	<50	<0.5	<0.5	<0.5	<0.5	<30	<50
	04/06/98	<50	<0.5	<0.5	<0.5	<0.5	<30	<50
	06/18/98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	100
MW-10	10/10/96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<50
	11/07/96	--	--	--	--	--	--	--
	12/18/97	350	6.9	0.87	0.88	0.77	<30	<50
	04/06/98	2,300	224	168	81.4	253	<30	<50
	06/18/98	7,200	310	210	83	280	<0.5	320

MTBE =Methyl-tert-butylether
ppb = parts per billion
TPHd= Total Petroleum Hydrocarbons as diesel.
TPHg = Total Petroleum Hydrocarbons as gasoline
< = Less than the detection limit for the specified method of analysis
*= MTBE confirmation by EPA 8240.

APPENDIX

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806D27-01

Sampled: 06/18/98
Received: 06/19/98
Extracted: 06/29/98
Analyzed: 06/30/98
Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	280
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	113

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: MW-1	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/28/98
Attention: Fran Thie	Lab Number: 9806D27-01	Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**330**
Methyl t-Butyl Ether	0.50	N.D.
Benzene	**0.50**	**7.8**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806D27-02

Sampled: 06/18/98
Received: 06/19/98
Extracted: 06/29/98
Analyzed: 07/01/98
Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	200	5200
Chromatogram Pattern: **Weathered Diesel**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	112

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/28/98
Attention: Fran Thie	Lab Number: 9806D27-02	Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**20000**
Methyl t-Butyl Ether	50	N.D.
Benzene	**50**	**240**
Toluene	**50**	**370**
Ethyl Benzene	**50**	**270**
Xylenes (Total)	**50**	**790**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806D27-03

Sampled: 06/18/98
Received: 06/19/98
Extracted: 06/29/98
Analyzed: 07/01/98
Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**53**
Chromatogram Pattern:		
Unidentified HC		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: MW-4	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/28/98
Attention: Fran Thie	Lab Number: 9806D27-03	Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	0.50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Penner
Project Manager

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Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: MW-5	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 06/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 07/01/98
Attention: Fran Thie	Lab Number: 9806D27-04	Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	100
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806D27-04

Sampled: 06/18/98
Received: 06/19/98

Analyzed: 06/28/98
Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**110**
Methyl t-Butyl Ether	0.50	N.D.
Benzene	**0.50**	**6.9**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Penner
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806D27-05

Sampled: 06/18/98
Received: 06/19/98
Extracted: 06/29/98
Analyzed: 07/01/98
Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	1100
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806D27-05

Sampled: 06/18/98
Received: 06/19/98

Analyzed: 06/28/98
Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**23000**
Methyl t-Butyl Ether	250	N.D.
Benzene	**50**	**2600**
Toluene	**50**	**540**
Ethyl Benzene	**50**	**410**
Xylenes (Total)	**50**	**1300**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Penner
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806D27-06

Sampled: 06/18/98
Received: 06/19/98
Extracted: 06/29/98
Analyzed: 07/01/98
Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	89

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: MW-7	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/28/98
Attention: Fran Thie	Lab Number: 9806D27-06	Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	0.50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Penner
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-8
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9806D27-07

Sampled: 06/18/98
Received: 06/19/98
Extracted: 06/29/98
Analyzed: 07/01/98
Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	100	2400
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	98

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-8
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806D27-07

Sampled: 06/18/98
Received: 06/19/98

Analyzed: 06/28/98
Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**74000**
Methyl t-Butyl Ether	50	N.D.
Benzene	**50**	**5400**
Toluene	**50**	**4500**
Ethyl Benzene	**50**	**700**
Xylenes (Total)	**50**	**2200**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Penner
Project Manager

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Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: MW-9	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 06/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 07/01/98
Attention: Fran Thie	Lab Number: 9806D27-08	Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	100
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	91

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-9
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806D27-08

Sampled: 06/18/98
Received: 06/19/98

Analyzed: 06/28/98
Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	0.50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Renner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: MW-10	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 06/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 07/01/98
Attention: Fran Thie	Lab Number: 9806D27-09	Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	320
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	90

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Sample Descript: MW-10
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9806D27-09

Sampled: 06/18/98
Received: 06/19/98

Analyzed: 06/28/98
Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**7200**
Methyl t-Butyl Ether	0.50	N.D.
Benzene	**5.0**	**310**
Toluene	**5.0**	**210**
Ethyl Benzene	**5.0**	**83**
Xylenes (Total)	**5.0**	**280**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Renner
Project Manager

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Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: EB	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 06/29/98
	Analysis Method: EPA 8015 Mod	Analyzed: 07/01/98
Attention: Fran Thie	Lab Number: 9806D27-10	Reported: 07/07/98

QC Batch Number: GC0629980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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1455 McDowell Blvd North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Texaco 618571071/980618-P1	Sampled: 06/18/98
1680 Rogers Avenue	Sample Descript: EB	Received: 06/19/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/28/98
Attention: Fran Thie	Lab Number: 9806D27-10	Reported: 07/07/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	0.50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1849

Peggy Perner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Ave.
San Jose CA 95112
Attention: Kent Brown

Client Project ID: Texaco 618571071/980618-P1

QC Sample Group: 9806D27-01-10

Reported Jul 7; 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A PORTER
ANALYTE	Diesel

QC Batch #: GC0629980HBPEXZ

Sample No.:	9806D19-1
Date Prepared:	6/29/98
Date Analyzed:	6/30/98
Instrument I.D.#:	GCHP19A
Sample Conc., ug/L:	88000
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	92000
% Recovery:	400
Matrix pike Duplicate, ug/L:	110000
% Recovery:	2200
elative % Difference:	138
RPD Control Limits:	0-50

* Due to dilutions required spike recoveries exceeded the control limits.

LCS Batch#: BLK062998ZS

Date Prepared:	6/29/98
Date Analyzed:	6/30/98
Instrument I.D.#:	GCHP19B
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	650
LCS % Recovery:	65

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement. All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch

Sequoia Analytical

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404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Texaco 618571071/ 980618-P1
Matrix: Liquid

Work Order #: 9806D27 -01-10

Reported: Jul 7, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	06V8425	06V8425	06V8425	06V8425
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 8015M	EPA 8015M	EPA 8015M	EPA 8015M
Analyst:	L. Hall	L. Hall	L. Hall	L. Hall
LCS/LCSD #:	LCS062798	LCS062798	LCS062798	LCS062798
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/27/98	6/27/98	6/27/98	6/27/98
Analyzed Date:	6/28/98	6/28/98	6/28/98	6/28/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L
Result:	18	18	18	18
LCS % Recovery:	90	90	90	90
Dup. Result:	17	18	18	18
LCSD % Recov.:	85	90	90	90
RPD:	5.7	0.0	0.0	0.0
RPD Limit:	0-30	0-30	0-30	0-30

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

SEQUOIA ANALYTICAL
Elap #1849

Reggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Proj. ID: Texaco 618571071/980618-P1
Lab Proj. ID: 9806D27

Received: 06/19/98
Reported: 07/07/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 23 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Company Name: TRMI EH&S	Project Name: 980618-P1
Address: Texaco Loc.#618571071, 3810 Broadway	Billing Address (if different): 108 Cutting Boulevard
City: Oakland State: CA Zip Code:	Richmond, California 94804
Telephone: (510)236-3541 FAX #: (510)237-7821	P.O. #:
Report To: Kent Brown (BTS) Sampler: Paul Sanna	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☒ 10 Working Days ☐ 7 Working Days ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 24 Hours ☐ 2 - 8 Hours

☐ Drinking Water ☐ Waste Water ☐ Other

Analyses Requested 980627

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-g/BTEX/MTBE	TPH Diesel	O&G/TRPH (418.1)	Nitrate	Sulfate	Total Sulfide			Comments
1. MW-1	6/18/98 11:53		5		1	X	X							* MTBE Confirmation By 8260
2. MW-2	12:45		5		2	X	X							
~~3. MW-3~~ DS.														
4. MW-4	9:55		5		3	X	X							
5. MW-5	11:35		5		4	X	X							
6. MW-6	13:07		5		5	X	X							
7. MW-7	10:35		5		6	X	X							
8. MW-8	13:35		5		7	X	X							
9. MW-9	11:10		5		8	X	X							
10. MW-10	12:25		5		9	X	X							

Relinquished By: Paul Sanna	Date: 6/18/98	Time: 16:30	Received By: Jeff Bannville	Date: 6-19-98	Time: 11:10
Relinquished By: Jeff Bannville	Date: 6-19-98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 6/19/98	Time: 12539

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment

Page of

Pink - Client
Yellow - Sequoia
White - Sequoia

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☒ 680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
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Company Name: TRMI EH&S	Project Name: 980618-P1
Address: Texaco Loc.#618571071, 3810 Broadway	Billing Address (if different): 108 Cutting Boulevard
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Telephone: (510)236-3541 FAX #: (510)237-7821	P.O. #:
Report To: Kent Brown (BTS) Sampler:	QC Data: ☐ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☒ 10 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☐ 24 Hours

☐ Drinking Water ☐ Waste Water ☐ Other

Analyses Requested GRO/D27

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-g/BTEX/MTBE	TPH Diesel	O&G/TRPH (418.1)	Nitrate	Sulfate	Total Sulfide	Comments
* 1. EB	6/18/98 12:45		5		10	X	X					* MTBE Confirmation By 8260
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												

Relinquished By:	Date: 6/18/98	Time: 16:30	Received By:	Date: 6-19-98	Time: 11:10
Relinquished By:	Date: 6-19-98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 6/19/98	Time: 12:39

Were Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment _____ Page ___ of ___

Pink - Client
Yellow - Sequoia
White - Sequoia

Well Gauging Data

Project Name: 980618-P1
Project Number: 618571071

Date: 6-18-98
Recorded By: Paul Sanna

Well ID	TOC Elev.	DTB (ft. TOC)	Well Dia. (in.)	DTP (ft.)	DTW (ft.)	PT (ft.)	Comments
mw-1		29.48	2		19.78		
mw-2		33.45	2		19.63		
mw-3		SPH	2		SPH in	well	(No Sample)
mw-4		34.89	2		16.89		
mw-5		33.20	2		19.15		
mw-6		32.95	2		20.49		
mw-7		33.65	2		17.95		
mw-8		33.91	2		17.75		
mw-9		33.95	2		15.33		
mw-10		33.45	2		15.11		

TOC = Top of casing
DTB = Depth to bottom in feet below TOC
DTP = Depth to product in feet below TOC
DTW = Depth to water in feet below TOC
PT = Product thickness in feet

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 6185710701
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.48	Depth to Water: 19.78
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- X S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- X S.S. Bailer
- Teflon Bailer
- Extraction Port
- Other: _____

1.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
11:43	69.2	7.4	2200	~~+5~~ <200	1.5	
11:45	68.6	7.4	2100	<200	3.0	
11:48	67.6	7.4	2000	<200	4.5	

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Time: 11:53 Sampling Date: 6-18-98

Sample I.D.: MW-1 Laboratory: (Sequoia)

Analyzed for: (Tph-G) BTEX (Tph-D) (Other: MTBE)

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 6185/071
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.45	Depth to Water: 19.63
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- X S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

X Sampling Method:
- S.S. Bailer
- Teflon Bailer
- Extraction Port
- Other: _____

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
2.2	x	3	=	6.6 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
12:32	69.8	7.2	1400	>200	2	
12:35	69.8	7.1	1300	>200	4	
12:39	69.4	7.1	1250	>200	6.5	

Did well dewater? Yes (No)	Gallons actually evacuated: 6.5
Sampling Time: 12:45	Sampling Date: 6-18-98
Sample I.D.: MW-2	Laboratory: (Sequoia)
Analyzed for: (Tph-G) (BTEX) (Tph-D)	Other: MTBE
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 990618-P1	Texaco ID#: 6185/1071
Sampler: PL	Date: 6-18-98
Well I.D.: MW-3	Well Diameter: 2 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method: S.S. Bailer / Teflon Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: S.S. Bailer / Teflon Bailer / Extraction Port / Other: _____

_____ (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
			SPH			
			in	well		

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.: MW-3	Laboratory: Sequoia
Analyzed for: Tph-G BTEX Tph-D	Other:
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 618571071
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.89	Depth to Water: 16.89
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- X S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- X S.S. Bailer
- Teflon Bailer
- Extraction Port
- Other: _____

1 Case Volume (Gals.)	x	Specified Volumes	=	Calculated Volume
2.8	x	3	=	8.6 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
9:37	66.4	6.8	1350	>200	3	
9:44	66.0	6.8	1300	>200	6	
9:49	65.6	6.9	1200	>200	8.5	

Did well dewater? Yes (No)	Gallons actually evacuated: 8.5
Sampling Time: 9:55	Sampling Date: 6-18-98
Sample I.D.: MW-4	Laboratory: (Sequoia)
Analyzed for: (Tph-G) (BTEX) (Tph-D)	Other: MTBE
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 618571071
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.20	Depth to Water: 19.15
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- X S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

X Sampling Method:
- S.S. Bailer
- Teflon Bailer
- Extraction Port
- Other: _____

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
2.2	x	3	=	6.6 Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
11:18	69.8	7.2	2200	~~2~~ <200	2	
11:23	68.6	7.4	2500	~~4~~ <200	4	
11:28	67.2	7.4	2700	~~6.5~~ 176	6.5	

Did well dewater? Yes (No)	Gallons actually evacuated: 6.5
Sampling Time: 11:35	Sampling Date: 6-18-98
Sample I.D.: MW-5	Laboratory: (Sequoia)
Analyzed for: ~~Tph-G~~ ~~BTEX~~ (Tph-D) (Other: MTBE)	
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 6185 71071
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 32.95	Depth to Water: 20.49
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method: (X) S.S. Bailer; Teflon Bailer; Middleburg; Electric Submersible; Extraction Pump; Other: _____

(X) Sampling Method: S.S. Bailer; Teflon Bailer; Extraction Port; Other: _____

2.0	x	3	=	6.0 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
12:52	67.8	7.3	1400	>200	2	
12:57	67.4	7.3	1375	>200	4	
13:02	67.4	7.2	1300	>200	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Time: 13:07 Sampling Date: 6-18-98

Sample I.D.: MW-6 Laboratory: (Sequoia)

Analyzed for: (TPH-G) (BTEX) (TPH-D) (Other:) MTBE

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 61857107 1
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.65	Depth to Water: 17.95
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method: X S.S. Bailer; Teflon Bailer; Middleburg; Electric Submersible; Extraction Pump; Other: _____

X Sampling Method: S.S. Bailer; Teflon Bailer; Extraction Port; Other: _____

2.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 7.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
10:15	65.8	7.1	1950	>200	2	
10:23	65.4	7.1	1850	>200	5	
10:28	65.2	7.0	1800	>200	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 10:35 Sampling Date: 6-18-98

Sample I.D.: MW-7 Laboratory: (Sequoia)

Analyzed for: (Tph-G) (BTEX) (Tph-D) (Other: MTBE)

Equipment Blank I.D.: EB 10:42 Analyzed for same as primary sample Yes

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 6185710 71
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.91	Depth to Water: 17.75
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- X S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

X Sampling Method:
- S.S. Bailer
- Teflon Bailer
- Extraction Port
- Other: _____

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	
2.5	x	3	=	7.5	Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
13:15	67.8	7.2	1800	>200	2.5	
13:21	67.4	7.2	1775	7200	5.0	
13:27	67.2	7.2	1700	7200	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 13:35 Sampling Date: 6-18-98

Sample I.D.: MW-8 Laboratory: (Sequoia)

Analyzed for: (Tph-G) BTEX (Tph-D) (Other: MTBE)

Equipment Blank I.D.: Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 6185710711
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.95	Depth to Water: 15.33
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- X S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- X S.S. Bailer
- Teflon Bailer
- Extraction Port
- Other: _____

3.0	x	3	=	9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
10:52	69.4	7.2	1650	>200	3	
10:58	69.0	7.2	1600	>200	6	
11:04	68.6	7.2	1500	>200	9	

Did well dewater? Yes (No)	Gallons actually evacuated: 9.0
Sampling Time: 11:10	Sampling Date: 6-18-98
Sample I.D.: MW-9	Laboratory: (Sequoia)
Analyzed for: (Tph-G) (BTEX) (Tph-D) (Other: MTBE)	
Equipment Blank I.D.:	Analyzed for same as primary sample

TEXACO WELL MONITORING DATA SHEET

Project #: 980618-P1	Texaco ID#: 6185710 71
Sampler: Paul	Date: 6-18-98
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.45	Depth to Water: 15.11
Depth to Free Product:	Thickness of Free Product:

All Measurements are referenced to TOC. Meter used is Myron LpDS pH/EC Meter. All temperatures taken in degrees Fahrenheit.

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.17	5"	1.02
3"	0.38	6"	1.50
4"	0.66	8"	2.60
4.5"	0.83	Other	radius^2 * 0.164

Purge Method:
- X S.S. Bailer
- Teflon Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- X S.S. Bailer
- Teflon Bailer
- Extraction Port
- Other: _____

3.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Color/Odor
12:06	70.0	7.2	1100	>200	3	
12:12	69.8	7.3	1000	>200	6	
12:18	69.4	7.3	950	>200	9	

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 12:25 Sampling Date: 6-18-98

Sample I.D.: MW-10 Laboratory: (Sequoia)

Analyzed for: (Tph-G) (BTEX) (Tph-D) (Other: MTBE)

Equipment Blank I.D.: Analyzed for same as primary sample

SOURCE RECORD

BILL OF LADING

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT TEXACO FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE-WATER WHICH HAS BEEN RECOVERED FROM GROUND-WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED TO THE DESTINATION DESIGNATED BY TRMI EH&S.

Contractor: Blaine Tech Services, Inc.
Address: 1680 Rogers Ave.
City, State, ZIP: San Jose, CA 95112
Phone: (408) 573-0555

is authorized by TRMI EH&S to recover, collect, apportion into loads, and haul the NON HAZARDOUS WELL PURGEWATER that is drawn from wells at the Texaco facility listed below and to deliver that purgewater to an appropriate destination designated by TRMI EH&S in either Redwood City, California or in Richmond, California. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Texaco facility to the designated destination point; from one Texaco facility to the designated destination point via another Texaco facility; from a Texaco facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of TRMI EH&S.

This **SOURCE RECORD BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Texaco facility described below:

Texaco#: 0185710 71
Address: 3810 Broadway, Oakland CA
City, State, ZIP:

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1			
MW-10			
	60		

Total gals. 5

added rinse water

Total Gals. Recovered 65

Job#: 980618-P1
Date: 6-18-98
Time: 15:00
Signature:

REC'D AT: Blaine
Date: 6/18/98
Time: 17:00
Signature: