

**TOXICHEM
Management
Systems, Inc.**

Environmental & Occupational Health Services

1562 44th Avenue
San Francisco, California 94122
(415) 681-8816 / Fax (415) 681-8132

ENVIRONMENTAL
PROTECTION
99 MAY 18 PM 2:17

Industrial Hygiene - Exposure Assessment
Quantitative Risk Assessment
Compliance Audits
Real Property Environmental Assessments
Remedial Investigations
Air, Soil, and Groundwater Sampling
Remedial Engineering and Construction
Regulatory Compliance and Negotiation
Litigation Support Services

May 14, 1999
Project EQ-07.2A

Mr. Scott Seery
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Quarterly Monitoring Report - Second Quarter 1999**
Former Texaco/Current Shell Service Station
15595 Washington Street, San Lorenzo, California

Dear Mr. Seery:

On behalf of Equiva Services LLC, this letter transmits the results of second quarter 1999 groundwater monitoring and sampling conducted at the site referenced above.

If you have any questions regarding this site, please contact me at your convenience at (415) 681-8816.

Sincerely,

Toxicchem Management Systems, Inc.

Keith Winemiller, P.E.
Senior Engineer



Enclosure

cc: Karen Petryna, P.E., Equiva Services LLC, P.O. Box 6249, Carson, CA 90749-6249
Karen D. Fineran, Makoff Kinnear Counsel P.C., 20 California Street, Suite 201,
San Francisco, CA 94111
Mehdi Mohammadian, Linda Shell, 15595 Washington St., San Lorenzo, CA 94580
Bertram Kubo Trust, 20321 Via Espana, Salinas, CA 93908-1261
Mary S. Taylor, Law Offices of Mary S. Taylor, 101 Ygnacio Valley Road, Suite 330,
Walnut Creek, CA 94596-3564

Table 1
Groundwater Elevation and Analytical Data

Former Texaco Service Station/Current Shell-Branded Service Station
15595 Washington Street, San Lorenzo, California

Well Number	Date Sampled	TPPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE† by 8020 (µg/L)	MtBE† by 8260 (µg/L)	TOC Elevation (feet, MSL)	Depth to Water (feet, TOC)	Floating Product (feet)	Groundwater Elevation (feet, MSL)
MW-1	08/26/98	<500	17	<5.0	<5.0	<5.0	340,000	NA	22.96	9.30	-	13.66
	01/26/99	<50,000	<500	<500	<500	<500	269,000	247,000	22.96	7.96	-	15.00
	04/06/99	3,500	296	<10.0	43.0	18.6	117,000	NA	22.96	8.01	-	14.95
MW-2	08/26/98	<500	<5.0	<5.0	<5.0	<5.0	210,000	NA	22.07	8.40	-	13.67
	01/26/99	<2000	<20.0	<20.0	<20.0	<20.0	9,450	NA	22.07	7.29	-	14.78
	04/06/99	<1,000	<10.0	<10.0	<10.0	<10.0	209,000	249,000	22.07	7.28	-	14.79
MW-3	08/26/98	<500	36	<5.0	<5.0	<5.0	99,000	NA	22.74	9.29	-	13.45
	01/26/99	<5000	<50.0	<50.0	<50.0	<50.0	19,800	NA	22.74	8.00	-	14.74
	04/06/99	<1,000	<10.0	<10.0	<10.0	<10.0	151,000	NA	22.74	8.00	-	14.74
MW-4	08/26/98	170	2.0	0.74	1.3	1.0	150	NA	23.51	9.87	-	13.64
	01/26/99	140	<0.500	<0.500	<0.500	<0.500	7.60	NA	23.51	8.54	-	14.97
	04/06/99	390	3.04	<0.500	1.52	0.808	15.2	NA	23.51	8.34	-	15.17
MW-5	08/26/98	6,600	240	<50	380	84	<250	NA	23.85	10.51	-	13.34
	01/26/99	371	11.7	<0.500	3.22	<0.500	36.4	NA	23.85	10.26	-	13.59
	04/06/99	7,680	265	<10.0	280	<10.0	<100	NA	23.85	9.32	-	14.53

TPPH = Total purgeable petroleum hydrocarbons
 MtBE = Methyl tertiary-butyl ether
 TOC = Top of casing
 MSL = Mean sea level
 † = MtBE analyzed using EPA Method 8020 or 8260, as specified
 NA = Not available or not analyzed



Reference:
 THE THOMAS GUIDE
 REVISED: 1991

TOXICHEM
 Management Systems, Inc.

SCALE:
 0 FEET 2,200



DRAWN BY:

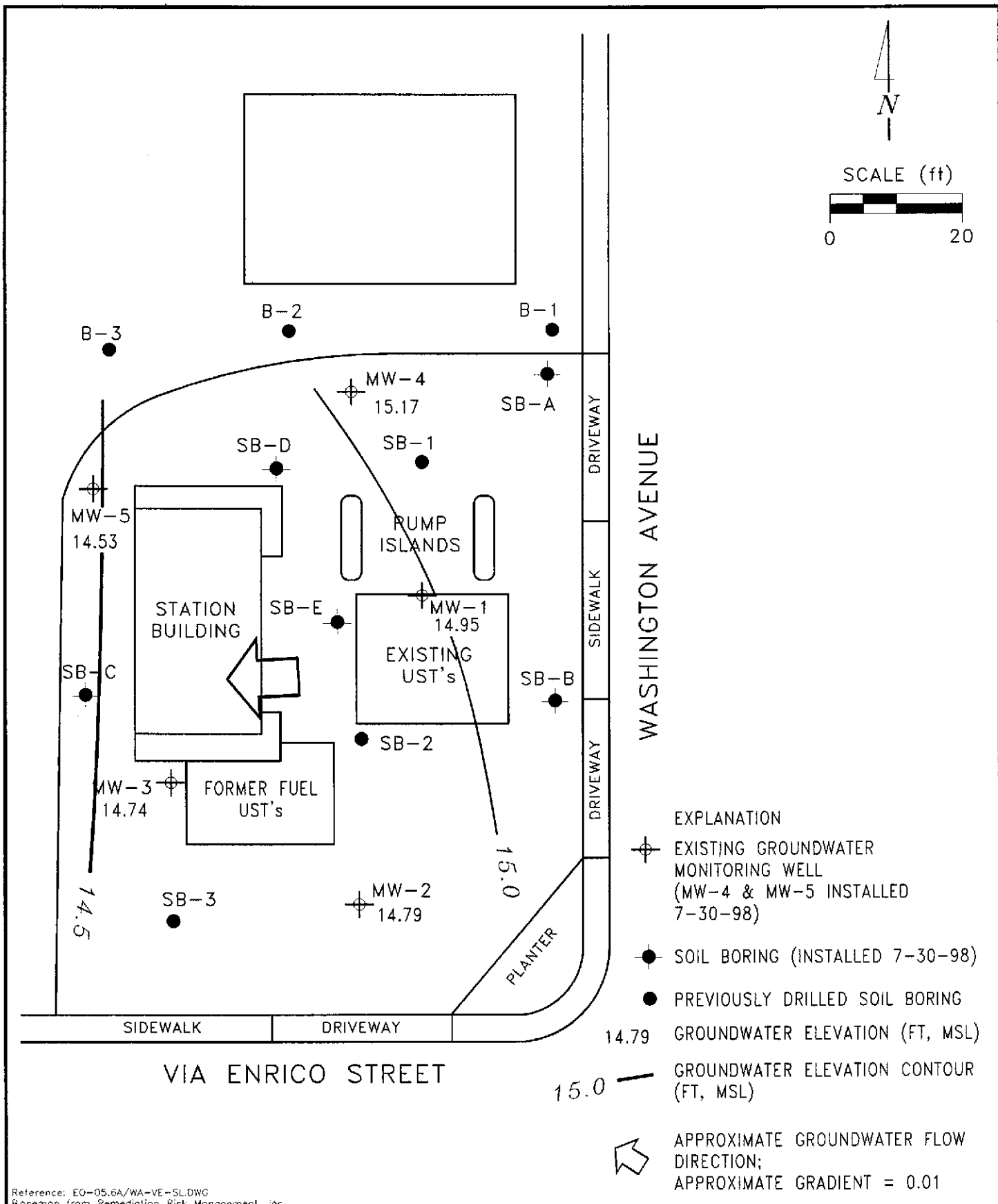
DATE:
 September 3, 1998

SITE LOCATION MAP

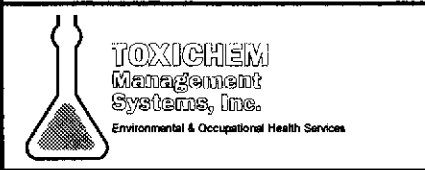
15595 Washington Avenue
 San Lorenzo, California

FIGURE
 1

PROJECT
 BA20



Reference: EQ-05.6A/WA-VE-SL.DWG
 Base map from Remediation Risk Management, Inc.

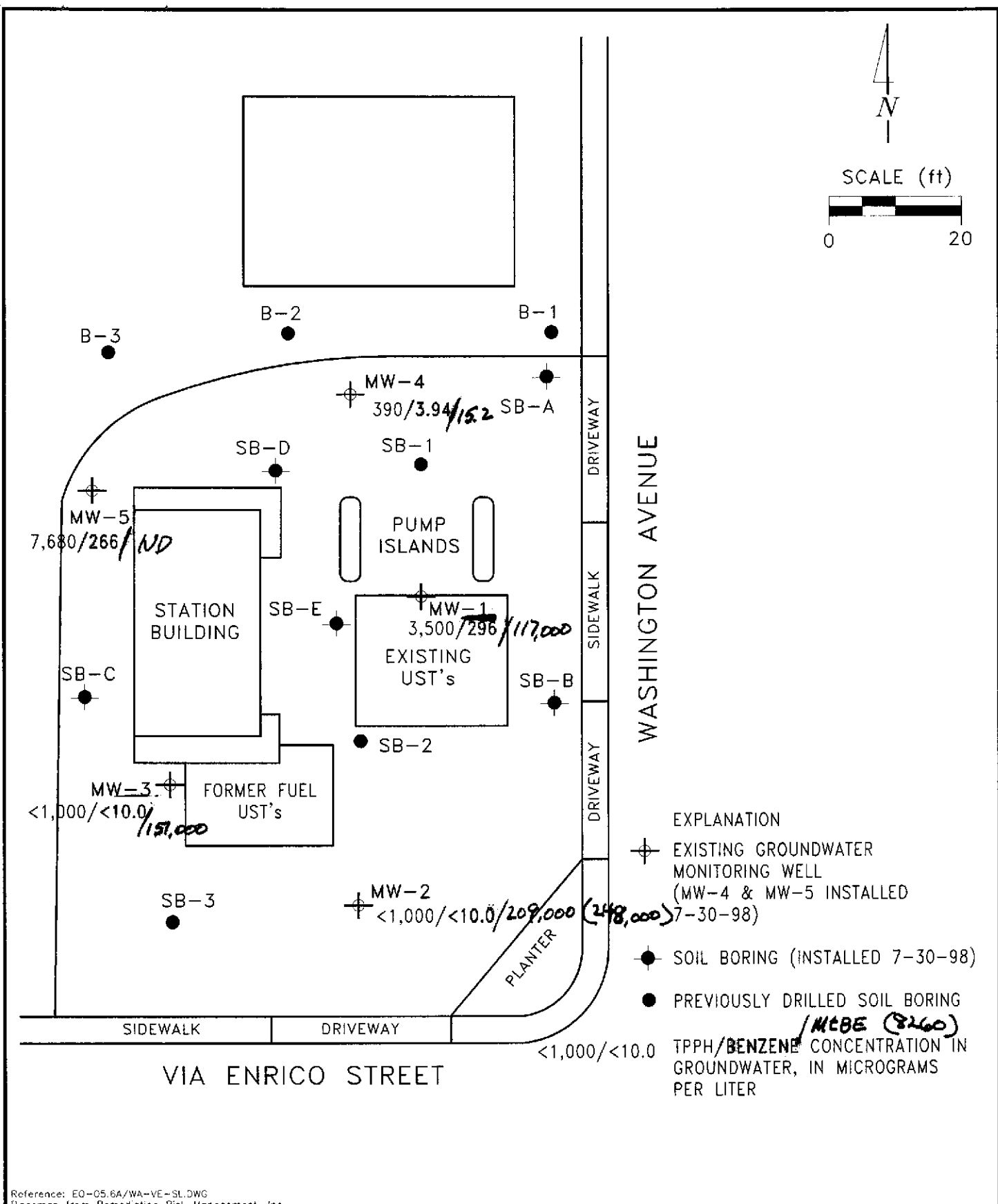
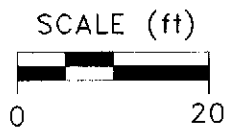
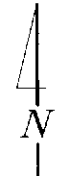


GROUNDWATER ELEVATION CONTOUR MAP, APRIL 6, 1999

Former Texaco Service Station
 15595 Washington Avenue
 San Lorenzo, California

FIGURE: **2**

PROJECT: EQ-05



- EXPLANATION
- ⊕ EXISTING GROUNDWATER MONITORING WELL (MW-4 & MW-5 INSTALLED 7-30-98)
 - SOIL BORING (INSTALLED 7-30-98)
 - PREVIOUSLY DRILLED SOIL BORING
 - ⊕ <1,000/<10.0 / *TPPH/BENZENE* CONCENTRATION IN GROUNDWATER, IN MICROGRAMS PER LITER

Reference: EQ-05.6A/WA-VE-SL.DWG
 Basemap from Remediation Risk Management, Inc.



TPPH/BENZENE CONCENTRATION MAP, APRIL 6, 1999

Former Texaco Service Station
 15595 Washington Avenue
 San Lorenzo, California

FIGURE: **3**
 PROJECT: EQ-05



Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

May 12, 1999

Christine Lillie
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

RE: Texaco(1)/L904083

Dear Christine Lillie:

Enclosed are the results of analyses for sample(s) received by the laboratory on April 7, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Gregory
Project Manager D.M.





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Project: Texaco(1)
Project Number: Texaco Loc.#624880329, 990406-CB1
Project Manager: Christine Lillie

Sampled: 4/6/99
Received: 4/7/99
Reported: 5/12/99

ANALYTICAL REPORT FOR L904083

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW1	L904083-01	Water	4/6/99
MW2	L904083-02	Water	4/6/99
MW3	L904083-03	Water	4/6/99
MW4	L904083-04	Water	4/6/99
MW5	L904083-05	Water	4/6/99





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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Sample Description: MW1
Laboratory Sample Number: L904083-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9040069	4/14/99	4/14/99		1000	3500	ug/l	1
Benzene	"	"	"		10.0	296	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	43.0	"	
Xylenes (total)	"	"	"		10.0	18.6	"	
Methyl tert-butyl ether	9040077	4/15/99	4/15/99		10000	117000	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9040069	4/14/99	4/14/99	70.0-130		111	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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Sample Description: MW2
Laboratory Sample Number: L904083-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9040069	4/14/99	4/14/99		1000	ND	ug/l	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	9040077	4/15/99	4/15/99		10000	209000	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	9040069	4/14/99	4/14/99	70.0-130		160	%	2

MTBE Confirmation by EPA Method 8260A

Methyl tert-butyl ether	9050027	5/7/99	5/7/99		5000	248000	ug/l	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	"	"	"	76.0-114		105	%	





Sequoia Analytical

1551 Industrial Road
 San Carlos, CA 94070-4111
 (650) 232-9600
 FAX (650) 232-9612

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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Sample Description: MW3
Laboratory Sample Number: L904083-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9040069	4/14/99	4/14/99		1000	ND	ug/l	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	9040077	4/15/99	4/15/99		10000	151000	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	9040069	4/14/99	4/14/99	70.0-130		142	%	2





Sequoia Analytical

1551 Industrial Road
 San Carlos, CA 94070-4111
 (650) 232-9600
 FAX (650) 232-9612

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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Sample Description: MW4
Laboratory Sample Number: L904083-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9040078	4/15/99	4/15/99		50.0	390	ug/l	1
Benzene	"	"	"		0.500	3.94	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	1.52	"	
Xylenes (total)	"	"	"		0.500	0.808	"	
Methyl tert-butyl ether	"	"	"		5.00	15.2	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		115	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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Sample Description: MW5
Laboratory Sample Number: L904083-05

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9040069	4/14/99	4/14/99		1000	7680	ug/l	
Benzene	"	"	"		10.0	266	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	280	"	
Xylenes (total)	"	"	"		10.0	ND	"	
Methyl tert-butyl ether	"	"	"		100	ND	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		187	%	2





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9040069			Date Prepared: 4/13/99		Extraction Method: EPA 5030B [P/T]					
Blank			9040069-BLK1							
Purgeable Hydrocarbons as Gasoline	4/13/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.0	"	70.0-130	110			
LCS			9040069-BS1							
Benzene	4/13/99	10.0		9.88	ug/l	70.0-130	98.8			
Toluene	"	10.0		9.56	"	70.0-130	95.6			
Ethylbenzene	"	10.0		9.99	"	70.0-130	99.9			
Xylenes (total)	"	30.0		29.0	"	70.0-130	96.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.3	"	70.0-130	113			
Matrix Spike			9040069-MS1 L904051-04							
Benzene	4/13/99	10.0	ND	10.3	ug/l	60.0-140	103			
Toluene	"	10.0	ND	9.80	"	60.0-140	98.0			
Ethylbenzene	"	10.0	ND	10.2	"	60.0-140	102			
Xylenes (total)	"	30.0	ND	29.7	"	60.0-140	99.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.6	"	70.0-130	116			
Matrix Spike Dup			9040069-MSD1 L904051-04							
Benzene	4/13/99	10.0	ND	10.3	ug/l	60.0-140	103	25.0	0	
Toluene	"	10.0	ND	9.67	"	60.0-140	96.7	25.0	1.34	
Ethylbenzene	"	10.0	ND	9.83	"	60.0-140	98.3	25.0	3.69	
Xylenes (total)	"	30.0	ND	29.6	"	60.0-140	98.7	25.0	0.303	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.5	"	70.0-130	115			
Batch: 9040078			Date Prepared: 4/15/99		Extraction Method: EPA 5030B [P/T]					
Blank			9040078-BLK1							
Purgeable Hydrocarbons as Gasoline	4/15/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.96	"	70.0-130	79.6			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
 Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS										
	9040078-BS1									
Purgeable Hydrocarbons as Gasoline	4/15/99	250		219	ug/l	70.0-130	87.6			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	10.0		7.76	"	70.0-130	77.6			
Matrix Spike										
	9040078-MS1 L904077-04									
Purgeable Hydrocarbons as Gasoline	4/15/99	250	ND	241	ug/l	60.0-140	96.4			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	10.0		7.48	"	70.0-130	74.8			
Matrix Spike Dup										
	9040078-MSD1 L904077-04									
Purgeable Hydrocarbons as Gasoline	4/15/99	250	ND	236	ug/l	60.0-140	94.4	25.0	2.10	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	10.0		11.3	"	70.0-130	113			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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**MTBE Confirmation by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9050027			Date Prepared: 5/7/99			Extraction Method: EPA 5030B [P/T]				
Blank			9050027-BLK1							
Methyl tert-butyl ether	5/7/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	50.0		52.0	"	76.0-114	104			
LCS			9050027-BS1							
Methyl tert-butyl ether	5/7/99	50.0		49.7	ug/l	70.0-130	99.4			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		55.3	"	76.0-114	111			
Matrix Spike			9050027-MS1 L905036-07							
Methyl tert-butyl ether	5/7/99	50.0	38.0	91.4	ug/l	60.0-140	107			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		53.8	"	76.0-114	108			
Matrix Spike Dup			9050027-MSD1 L905036-07							
Methyl tert-butyl ether	5/7/99	50.0	38.0	96.0	ug/l	60.0-140	116	25.0	8.07	
Surrogate: 1,2-Dichloroethane-d4	"	50.0		53.9	"	76.0-114	108			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Texaco(1) Project Number: Texaco Loc.#624880329, 990406-CB1 Project Manager: Christine Lillie	Sampled: 4/6/99 Received: 4/7/99 Reported: 5/12/99
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Notes and Definitions

#	Note
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- 1 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
- 2 The surrogate recovery was above established control limits due to sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- Recov. Recovery
- RPD Relative Percent Difference





SEQUOIA ANALYTICAL CHAIN OF CUSTODY

680 Chesapeake Drive • Redwood City, CA 94063 • (650) 364-9600 FAX (650) 364-9233
 819 Striker Ave., Suite B • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (510) 988-9600 FAX (510) 988-9673

Company Name: TRMI EHS		Project Name: 990406-CR1	
Address: Texaco Loc. # 624880329 15545 Washington		Billing Address (if different): 108 Cutting Boulevard	
City: San Lorenzo	State: CA	Zip Code: Richmond, California 94804	
Telephone: (510) 236-3541		FAX #: (510) 237-7821	
Report To: Blaine Tech	Sampler: Clint Bantz		P.O. #:
Turnaround: <input checked="" type="checkbox"/> 10 Working Days		QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Time: 7 Working Days 2 Working Days 5 Working Days 24 Hours

3 Working Days 2 - 8 Hours

Drinking Water Waste Water Other

1904083

Analyses Requested					
TPH-2/BTEX-MTBE	TPH Diesel	B&G/TRPH (418.1)	Nitrate	Sulfate	Total Sulfide

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-2/BTEX-MTBE	TPH Diesel	B&G/TRPH (418.1)	Nitrate	Sulfate	Total Sulfide	Comments
X 1. MW1	4/6/99 16:08	W	3	Voa	01	X						
Y 2. MW2	14:05	W	3		02	X						* Confirm
X 3. MW3	14:25	W	3		03	X						Highest
X 4. MW4	12:57	W	3		04	X						MTBE H2T 7/11/99
X 5. MW5	13:52	W	3		05	X						BY 8260
6.												
7.												
8.												
9.												
10.												

Relinquished By: Clint Bantz	Date: 4/7/99	Time: 9:30	Received By: [Signature]	Date: 4/7/99	Time: 9:30
Relinquished By: [Signature]	Date: 4/7/99	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date:	Time:

EQUIVA WELL MONITORING DATA SHEET

Project #: 990406-CB1	Job #: 624880329
Sampler: CB	Date: 4/6/99
Well I.D.: MW2	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 14.65	Depth to Water: 7.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
<u>2"</u>	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer Extraction Port Other: _____

<u>1.2</u>	\times	<u>3</u>	$=$	<u>3.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1355	65.6	7.4	850	128	1.5	
1400	66.2	7.5	900	50	3	
1403	66.2	7.4	800	55	4	

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Time: 1405 Sampling Date: 4/06/99

Sample I.D.: MW-2 Laboratory: Sequoia BC Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

1. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
2. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>990406-CR1</u>	Job #: <u>624880329</u>
Sampler: <u>CR</u>	Date: <u>4/06/99</u>
Well I.D.: <u>MW3</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>14.84</u>	Depth to Water: <u>8.0</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
<u>2"</u>	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg
 Electric Submersible Extraction Pump
 Other: _____

Sampling Method: Bailer Extraction Port
 Other: _____

<u>1.1</u>	x	<u>3</u>	=	<u>3.3</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
14:17	65.4	7.8	800	107	1.5	
14:20	65.0	7.5	800	83	3.0	
14:23	65.2	7.6	800	85	4	
14:25						

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Time: 14:25 Sampling Date: 4/06/99

Sample I.D.: MW3 Laboratory: Sequoia BC Other _____

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

1. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
2. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

Project #: 990406 - CB1	Job # 624880329
Sampler: CB	Date: 4/06/99
Well I.D.: MW4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.34	Depth to Water: 8.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
(6")	0.16	3"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump

Sampling Method: Bailer Extraction Port Other: _____

Other: _____

1.8	x	3	=	5.4	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:45	67.4	7.0	750	175	2	
12:50	67.6	7.1	775	120	4	
2:55	67.2	7.2	800	130	6	

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 12:57 Sampling Date: 4/06/99

Sample I.D.: MW4 Laboratory: (Sequoia) BC Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUVA WELL MONITORING DATA SHEET

Project #: 990406-CB1	Job # 624880329
Sampler: CB	Date: 4/06/99
Well I.D.: MWS	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.45	Depth to Water: 9.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Middleburg
 Electric Submersible
 Extraction Pump

Sampling Method: Bailer Extraction Port
 Other: _____

Other: _____

1.6	x	3	=	4.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:20	63.2	7.0	1200	254 7200	2	Slight odor
13:25	64.2	7.0	1300	110 7200	4	Sheen
13:30	64.2	7.1	1250	7200	5	

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Time: 13:30 Sampling Date: 4/06/99

Sample I.D.: MWS Laboratory: (Sequoia) BC Other _____

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV