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March 21, 2006

4329.04

Humboldt County Department of Health and Human Services
Division of Environmental Health
100 H Street, Suite 100
Eureka, California 95501

Attention: Mr. Mark Verhey, C.E.G.

Subject: Groundwater Monitoring Report; First Quarter 2006
W & S Enviro; Redwood Village Shell
723 South Fortuna Boulevard, Fortuna, California; LOP No: 12551

Dear Mr. Verhey:

LACO ASSOCIATES (LACO) presents the results of groundwater monitoring for the first quarter of 2006 at the Redwood Village Shell located in Fortuna, California. This report has been prepared for W & S Enviro. The following elements are included within this report:

- Summary of work performed;
- Site chronology;
- Tabular summary of historical sampling schedule and analytical data;
- Tabular summary of historical hydraulic gradients;
- Figures representing hydraulic gradients; and
- Statement of future work.

Please call (707) 443-5054 if you have any questions or concerns.

Sincerely,
LACO ASSOCIATES

Caroline Levenda
Staff Geologist

Christopher Watt
PG 7586, Exp. 03/31/06

CJL:jg

Attachments

cc: Jim Seiler, W & S Enviro (electronically sent)

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PROFESSIONAL GEOLOGIST
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GROUNDWATER MONITORING REPORT; FIRST QUARTER 2006

Redwood Village Shell; 723 South Fortuna Boulevard, Fortuna, California

LOP No. 12551; LACO Project No. 4329.04

INTRODUCTION:

Field activities were conducted on February 9, 2006, in accordance with generally accepted practices at this or similar locations. Details of the quarterly sampling parameters are presented below in Table A. A location map and site plan is included as Figures 1 and 2, respectively. Field sampling reports are included as Attachment 1.

TABLE A - Quarterly Sampling Parameters: February 9, 2006, Sampling Event

MONITORING WELL ID	SCREENED INTERVAL (feet)	DTW (feet)	DEPTH TO BOTTOM OF SCREEN (feet)	PURGE METHOD	WATER QUALITY PARAMETERS	ANALYTICALS	SAMPLING SCHEDULE
						ORGANICS	
MW4	3-10	4.88	9.67	DHP	pH, Temp, Ecw, ORP, DO	TPHg, BTEX, MTBE, DIPE, ETBE, TAME, TBA, EDB	Quarterly
MW5	15-24.1	21.85	23.93				Annually
MW6	3-10	6.36	9.57	DHP		TPHg, BTEX, MTBE, DIPE, ETBE, TAME, TBA, EDB, 1,3 Dichlorobenzene, 1,4 Dichlorobenzene, 1,2 Dichlorobenzene, 1,2 Dichloroethane	Quarterly
MW7	15-26.3	24.66	26.13	3/4" B		TPHg, BTEX, MTBE, DIPE, ETBE, TAME, TBA	Annually
MW8	10-15	14.67	13.68	NA	NA	NA	
MW9	5-10	4.54	8.90	DHP	pH, Temp, Ecw, ORP, DO	TPHg, BTEX, MTBE, DIPE, ETBE, TAME, TBA	
MW10	5-10	7.85	8.94				
MW11	5-10	4.40	8.65				
MW12	28-30.9	23.91	30.73	3/4" B	NA		
MW13	5-10	4.26	8.69	DHP	pH, Temp, Ecw, ORP, DO		Quarterly
MW14	5-10	4.48	8.73				
MW15	5-10	4.97	8.83				
MW16	4-14	6.05	13.05				
MW17	4-14	4.42	13.03				
MW18	4-14	4.77	13.10				

SITE CHRONOLOGY:

- **1984:** The Redwood Village Texaco station was built on raw agriculture property; it is believed this is the time the three underground storage tanks (USTs) were installed.
- **1990:** Humboldt Petroleum, Incorporated purchased the subject property.
- **1996:** Three 10,000-gallon gasoline USTs were removed and replaced with two new, steel, fiberglass-coated, double-walled tanks and fiberglass piping. Approximately 710 tons of petroleum impacted soil was excavated from the tank cavity.
- **1998:** Three monitoring wells were installed.
- **1999:** Four borings were installed. The field geologist observed two distinct aquifers separated by an aquitard.
- **2000:** Five monitoring wells were installed and the previously installed monitoring wells (MW1 through MW3) were destroyed.
- **2001:** Seventeen borings were installed to further delineate the petroleum hydrocarbon plume.
- **2002:** Monitoring wells MW9 through MW15 were installed. LACO's *Corrective Action Plan* was submitted.
- **2004:** Sixteen borings were installed to delineate and monitor the petroleum hydrocarbon plume stability. LACO's *Remedial Action Plan* was submitted.
- **2005:** Monitoring wells MW16, MW17, and MW18 were installed.

HYDRAULIC GRADIENT AND HYDROGEOLOGY

Groundwater in the shallow and deep monitoring wells (with the exception of monitoring well MW8) was measured at depths within the screen intervals for this monitoring event (Table A). Thus, the hydraulic gradients were calculated for both the shallow and deep water bearing units. Two gradients were calculated for the shallow zone using monitoring wells with similar screen intervals. The hydraulic gradients were calculated using the three-point method and hydraulic head elevations. The hydraulic gradients and trends for the current reporting period follow:

Shallow Water Bearing Unit

- Northeast section of site - N31°E with a 0.04 foot per foot trend using monitoring wells MW4, MW10, and MW14 (Figure 3).

- Central section of site - N84°W with a 0.03 foot per foot trend using monitoring wells MW16, MW17, and MW18 (Figure 3).

Deep Water Bearing Unit

- S26°W with a 0.03 foot per foot trend using monitoring wells MW5, MW7, and MW12 (Figure 4).

Historical hydraulic head data are included in Table 1, and historic hydraulic gradients are presented in Table 2. A hydraulic head map for shallow and deep monitoring wells is provided as Figures 3 and 4, respectively. Evidence of vertical gradients in this area of the site include approximately a 4-foot difference in hydraulic head between monitoring wells MW9 (screened from 5 to 10 feet bgs) and MW10 (screened from 5 to 10 feet bgs), which are separated by a linear difference of approximately 38 feet. The vertical gradients appear to be driven by differences in lithology in which clayey silt to silty clay lenses may contribute to perching conditions in the area defined by these monitoring wells. In particular, the screen interval of monitoring well MW15 appears to intersect a clayey silt to silty clay lens, which may be acting as a perching layer in the immediate vicinity. Additionally, the area around the northern pump island (near monitoring well MW4 east to monitoring well MW11) appears to be located in a perched zone. The historical fill at the northern half of the site acts as a recharge zone during the rainy season. The proximity of underground utility corridors creates an increase in hydraulic elevations and possibly causes vertical gradients.

LABORATORY RESULTS AND DISCUSSION

Analyte concentrations in groundwater for the current sampling event are included below in Table B. Historical groundwater analytical results are summarized in Table 1. A copy of the laboratory report for the current event is included as Attachment 2. Laboratory notes are included in the case narrative found in Attachment 2.

Table B: Laboratory Analytical Results for February 9, 2006									
WELL	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)
MW4	1,600	4.7	ND<0.50	9.5	1.2	490	250	32	2.5
MW5	ND<50	ND<0.50	1.4	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0
MW6	32,000	2,800	63	1,800	890	19,000	ND<2000	290	83
MW7	ND<50	0.71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0
MW8	DTW Only								
MW9	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0
MW10	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0
MW11	69	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.2	ND<20	ND<1.0	ND<1.0
MW12	60	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0
MW13	52	0.63	ND<0.50	0.84	0.58	ND<1.0	ND<10	ND<1.0	ND<1.0
MW14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.7	ND<10	ND<1.0	ND<1.0
MW15	1,900	6.1	ND<0.50	29	20.1	5.4	ND<20	ND<1.0	ND<1.0
MW16	2,900	40	3.9	120	133	11	ND<20	ND<1.0	ND<1.0
MW17	4,500	32	1.4	110	93	69	56	3.4	ND<1.0
MW18	3,900	17	1.6	78	124	31	ND<30	2.5	ND<1.0

DISCUSSION

Laboratory results for groundwater samples analyzed from the monitoring wells are generally consistent with historic analyte concentrations (Table 1). Monitoring well MW8 was dry; thus a groundwater sample was not collected. Laboratory analytical results are summarized in Table 1 and included as Attachment 2.

RECOMMENDATIONS

- The next sampling event is scheduled for May 2006. Monitoring wells MW4 through MW18 will be sampled biannually during the wet season in the months of February and May. However, if depth-to-groundwater is below the screen interval, groundwater samples will not be collected.
- Hydraulic gradients will be calculated when groundwater elevations have reached the screen intervals of the monitoring wells.
- Remediation implementation of LACO's Pay for Performance proposal is pending approval by the Underground Storage Tank Cleanup Fund.

LIMITATIONS

LACO has exercised a standard of care equal to that generated for this industry to ensure that the information contained in this report is current and accurate. LACO disclaims any and all liability for any errors, omissions, or inaccuracies in the information and data presented in this report and/or any consequences arising there from, whether attributable to inadvertence or otherwise.

LACO makes no representations or warranties of any kind including, but not limited to, any implied warranties with respect to the accuracy or interpretations of the data furnished. LACO assumes no responsibility of any third party reliance on the data presented and that data generated for this report represents information gathered at that time and at the indicated locations. It should not be utilized by any third party to represent data for any other time or location. The report is valid solely for the purpose, site, and project described in this document. Any alteration, unauthorized distribution, or deviation from this description will invalidate this report.

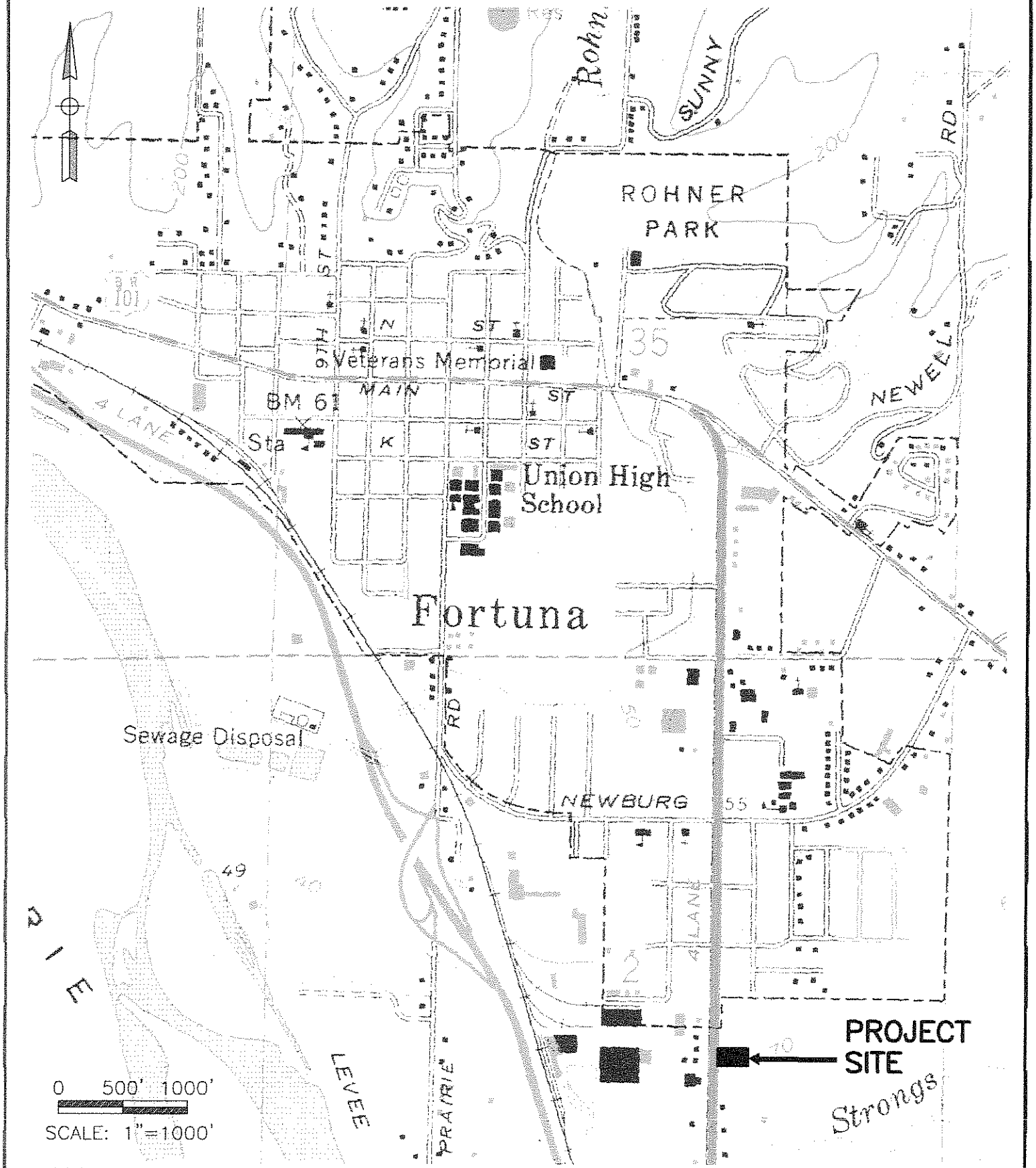
LIST OF FIGURES, TABLES, AND ATTACHMENTS

Figure 1: Location Map
Figure 2: Site Map
Figure 3: Hydraulic Gradient Map- Shallow Monitoring Wells (2/09/06)
Figure 4: Hydraulic Gradient Map- Deep Monitoring Wells (2/09/06)

Table 1: Groundwater Analytical Results
Table 2: Historic Hydraulic Gradient Data

Attachment 1: Field Sampling Forms
Attachment 2: Copy of Current Laboratory Analytical Report

LACO ASSOCIATES CONSULTING ENGINEERS 21 W 4TH ST. EUREKA, CA 95501 (707)443-5054	PROJECT GROUNDWATER MONITORING REPORT	BY RJM	FIGURE 1
	CLIENT W & S ENVIRO	DATE 2/17/06	
	LOCATION R. VILLAGE TEXACO, FORTUNA	CHECK a	JOB NO. 4329.04
	LOCATION MAP	SCALE 1"=1000'	



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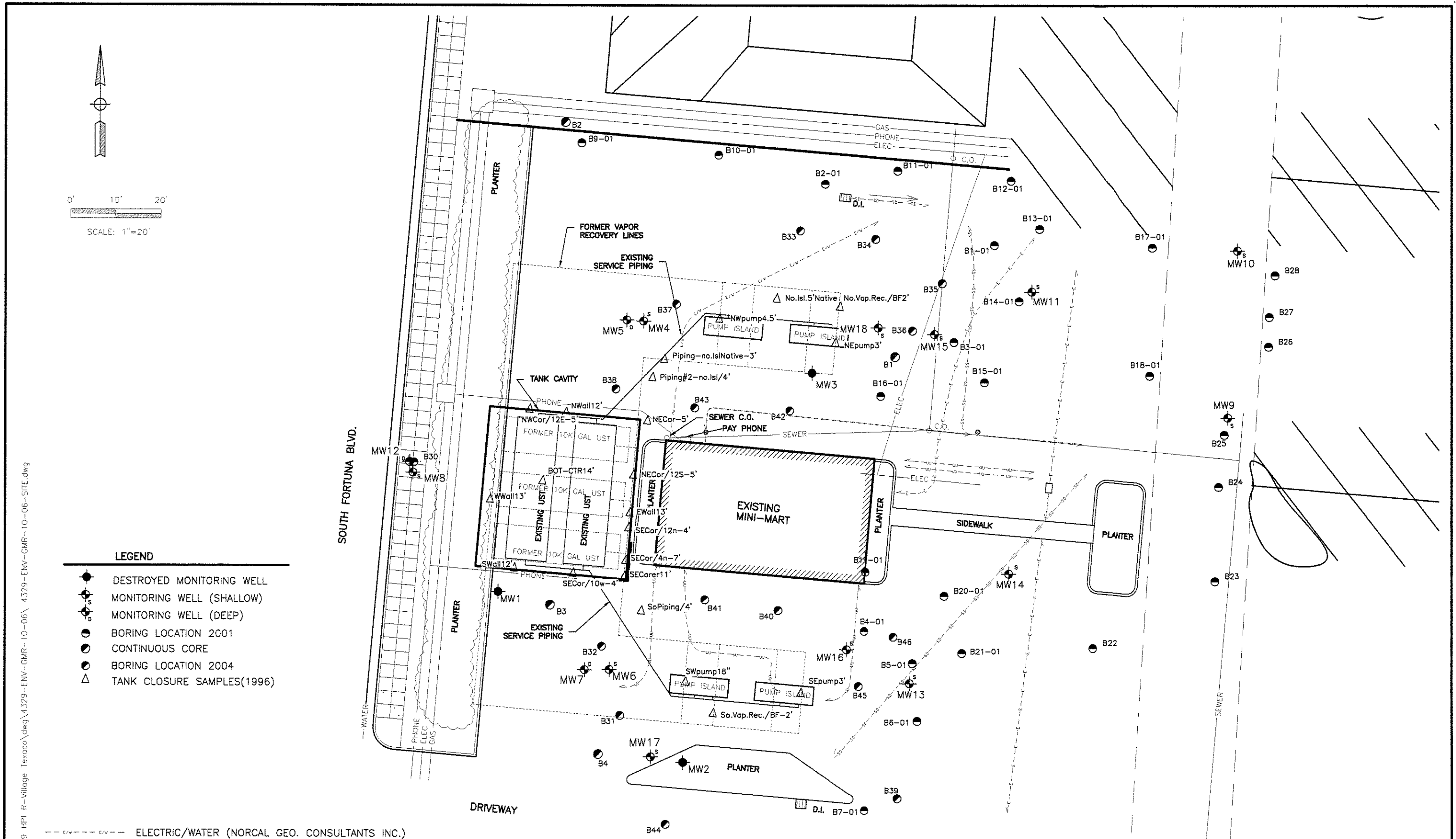

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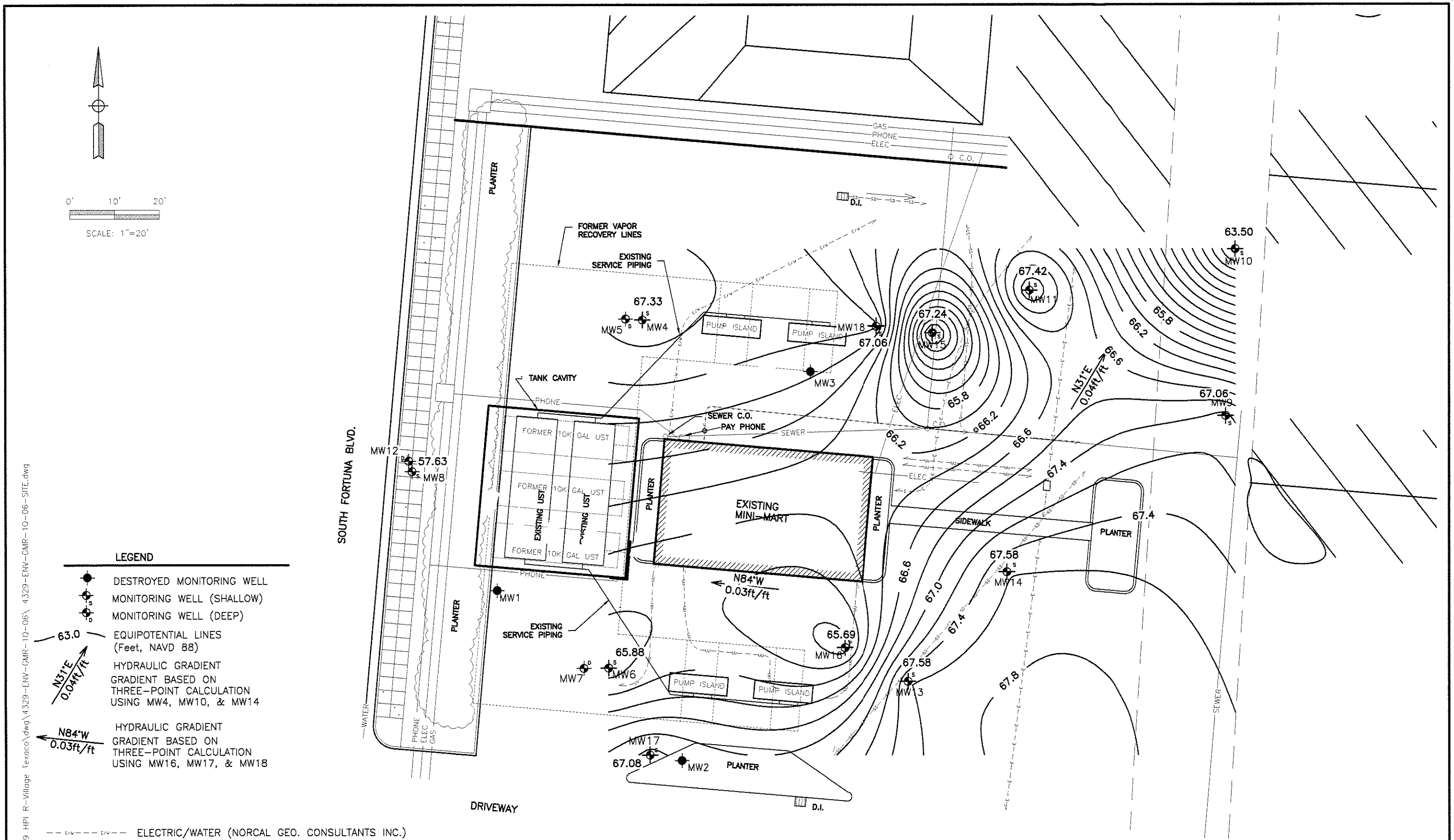
NO.	REVISION	BY	CHK	DATE

LACO ASSOCIATES
CONSULTING ENGINEERS
21 W. 4TH ST. EUREKA, CA 95501 (707)443-5054

GROUNDWATER MONITORING REPORT
SITE MAP

W & S ENVIRO
R.VILLAGE TEXACO, FORTUNA

SCALE	1"=20'
DRAWN	RJM
CHECK	
APPVD	
DATE	2/21/06
JOB NO.	4329.04
FIGURE	2



LEGEND

- DESTROYED MONITORING WELL
- MONITORING WELL (SHALLOW)
- MONITORING WELL (DEEP)
- 63.0 — EQUIPOTENTIAL LINES (Feet, NAVD 88)
- N31°E 0.04ft/ft — HYDRAULIC GRADIENT GRADIENT BASED ON THREE-POINT CALCULATION USING MW4, MW10, & MW14
- N84°W 0.03ft/ft — HYDRAULIC GRADIENT GRADIENT BASED ON THREE-POINT CALCULATION USING MW16, MW17, & MW18
- ELECTRIC/WATER (NORCAL GEO. CONSULTANTS INC.)
- ELECTRIC (NORCAL GEO. CONSULTANTS INC.)
- SANITARY SEWER (NORCAL GEO. CONSULTANTS INC.)
- STORM DRAIN (NORCAL GEO. CONSULTANTS INC.)
- UNDIFFERENTIATED UTILITY (NORCAL GEO. CONSULTANTS INC.)

NO.	REVISION	BY	CHK	DATE

LACO ASSOCIATES
CONSULTING ENGINEERS
21 W. 4TH ST. EUREKA, CA 95501 (707)443-5054

GROUNDWATER MONITORING REPORT
HYDRAULIC GRADIENT MAP SHALLOW WELLS (2/09/06)

W & S ENVIRO
R.VILLAGE TEXACO, FORTUNA

SCALE	1"=20'
DRAWN	RJM
CHECK	
APPVD	
DATE	2/17/06
JOB NO.	4329.04
FIGURE	3

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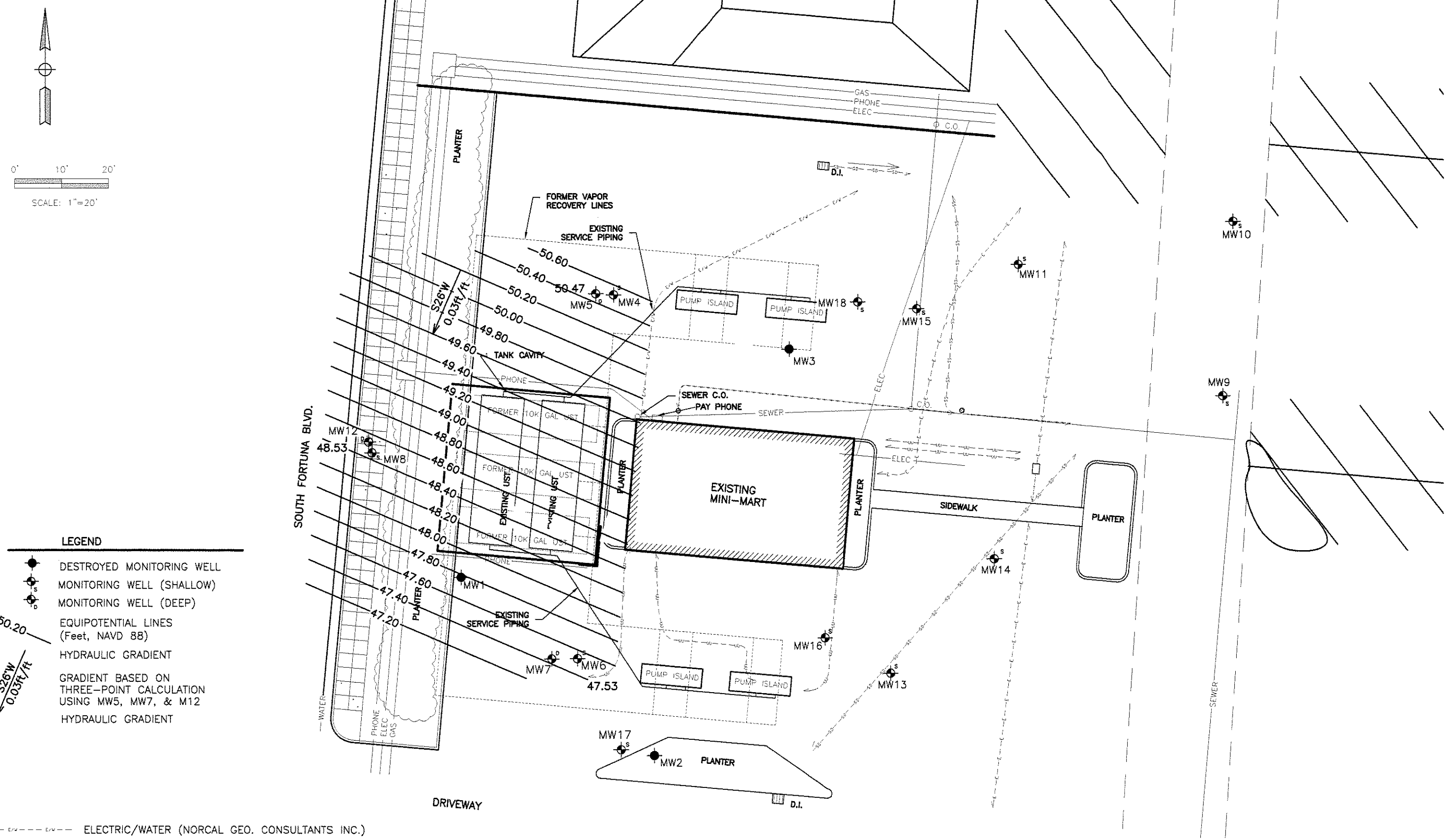

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NO.	REVISION	BY	CHK	DATE

LACO ASSOCIATES
CONSULTING ENGINEERS
21 W. 4TH ST. EUREKA, CA 95501 (707)443-5054

GROUNDWATER MONITORING REPORT
HYDRAULIC GRADIENT MAP DEEP WELLS (2/09/06)

W & S ENVIRO
R.VILLAGE TEXACO, FORTUNA

SCALE	1"=20'
DRAWN	RJM
CHECK	
APPVD	
DATE	2/21/06
JOB NO.	4329.04
FIGURE	4

TABLE 1: GROUNDWATER ANALYTICAL RESULTS
W and S Enviro- R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

	Groundwater Measurements					Analytical Results										
WELL/ Sample Date	Well Head Elevation (feet, NAVD-88)	Hydraulic Head (feet, NAVD-88)	Well Screen Interval (feet)	Depth to Water (feet)	Depth to Bottom of Screen (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	Lead Scavengers (µg/L)	Other Analytes (µg/L)
MW-1																
12/21/1998				dry		no sample collected			---	---	---	---	---	---	---	---
8/1/2000						---	---	---	---	---	---	---	---	---	---	---
MW-2																
8/25/1999				dry		no sample collected		---	---	---	---	---	---	---	---	---
8/1/2000						---	---	---	---	---	---	---	---	---	---	---
MW-3																
8/25/1999				16.51		no sample collected		---	---	---	---	---	---	---	---	---
8/1/2000						---	---	---	---	---	---	---	---	---	---	---
MW-4	72.21		3-10		9.67											
8/11/2000		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
9/8/2000		63.12		9.09		---	---	---	---	---	---	---	---	---	---	---
10/12/2000		64.03		8.18		---	---	---	---	---	---	---	---	---	---	---
11/9/2000		64.64		7.57		510	61	ND<0.50	55	34	210	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
12/12/2000		64.16		8.05		---	---	---	---	---	---	---	---	---	---	---
1/8/2001		64.81		7.40		---	---	---	---	---	---	---	---	---	---	---
2/14/2001		66.56		5.65		2,800	88	ND<0.50	150	87.4	380	94	19	ND<1.0	---	All others ND
2/14/2001		field duplicate				2500	81	ND<0.50	140	79.4	340	100	17	ND<1.0	---	All others ND
2/14/2001		method blank				ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	All ND<1.0-4.0	ND<1.0
3/12/2001		66.79		5.42		---	---	---	---	---	---	---	---	---	---	---
4/6/2001		66.52		5.69		---	---	---	---	---	---	---	---	---	---	---
5/11/2001		66.41		5.80		1,300	120	ND<1	140	16	380	130	18	ND<1.0	All ND<2.5	All others ND
6/8/2001		65.50		6.71		---	---	---	---	---	---	---	---	---	---	---
7/16/2001		66.21		6.00		---	---	---	---	---	---	---	---	---	---	---
8/24/2001		66.09		6.12		1,400	81	ND<1.3	78	40	650	290	36	3.4	All ND<2.5	All others ND
9/17/2001		65.39		6.82		---	---	---	---	---	---	---	---	---	---	---
10/24/2001		64.62		7.59		---	---	---	---	---	---	---	---	---	---	---
11/5/2001		65.32		6.89		1,000	45	1.4	68	30.6	640	180	30	2.3	All ND<1.0	All others ND
12/5/2001		66.48		5.73		---	---	---	---	---	---	---	---	---	---	---
1/3/2002		67.13		5.08		---	---	---	---	---	---	---	---	---	---	---
2/15/2002		66.63		5.58		1,700	8.5	ND<0.50	49	13	540	620	27	1.9	All ND<1.0	All others ND
5/3/2002		66.63		5.58		1,900	7.4	ND<0.50	23	11.85	720	330	30	2.7	All ND<1.0	All others ND
7/31/2002		66.26		5.95		1,700	21	0.77	72	36.2	650	230	32	2.6	All ND<1.0	All others ND
12/5/2002		65.43		6.78		1,300	11	0.93	55	19.5	590	360	30	2.8	All ND<1.0	All others ND
2/13/2003		62.68		9.53		no sample collected			---	---	---	---	---	---	---	---
5/21/2003		66.91		5.30		2,200	20	ND<0.50	64	16	670	220	34	2.6	All ND<1.0	All others ND
8/6/2003		66.40		5.81		2,700	12	1.1	80	18.8	810	280	38	3.0	All ND<1.0	All others ND
11/6/2003		65.83		6.38		2,500	8.1	ND<0.50	44	8.88	620	200	28	2.2	All ND<1.0	All others ND
2/11/2004		66.91		5.30		2,000	12	ND<0.50	25	7.0	680	390	39	ND<6.0	---	All others ND
5/14/2004		66.30		5.91		1,900	20	ND<0.50	41	9.8	630	180	34	2.6	---	All others ND
8/30/2004		66.15		6.06		1,800	7.5	ND<0.50	29	4.8	650	350	39	2.8	---	ND<1.0
11/22/2004		66.00		6.21		1,800	10	ND<0.50	39	5.7	690	ND<500	34	3.1	---	ND<1.0
2/3/2005		66.94		5.27		2,000	6.9	ND<0.50	19	2.5	630	230	34	2.7	---	ND<1.0
5/23/2005		66.83		5.38		1,900	5.9	ND<0.50	19	1.5	530	220	31	2.6	---	ND<1.0
8/1/2005		66.34		5.87		1,700	5.7	ND<0.50	19	2.0	610	250	35	2.9	---	ND<1.0
11/2/2005		65.90		6.31		2,200	4.5	ND<0.50	23	1.5	500	270	30	2.5	---	ND<1.0
2/9/2006		67.33		4.88		1,600	4.7	ND<0.50	9.5	1.2	490	250	32	2.5	---	ND<1.0

TABLE 1: GROUNDWATER ANALYTICAL RESULTS
W and S Enviro- R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

	Groundwater Measurements					Analytical Results										
WELL/ Sample Date	Well Head Elevation (feet, NAVD-88)	Hydraulic Head (feet, NAVD-88)	Well Screen Interval (feet)	Depth to Water (feet)	Depth to Bottom of Screen (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	Lead Scavengers (µg/L)	Other Analytes (µg/L)
MW-5	72.32		15-24.1		23.93											
8/11/2000		50.46		21.86		no sample collected			---	---	---	---	---	---	---	---
9/8/2000		49.04		23.28		---	---	---	---	---	---	---	---	---	---	---
10/12/2000		48.40		23.92		---	---	---	---	---	---	---	---	---	---	---
11/9/2000		48.40		23.92		no sample collected			---	---	---	---	---	---	---	---
12/12/2000		48.40		23.92		---	---	---	---	---	---	---	---	---	---	---
1/8/2001		48.40		23.92		---	---	---	---	---	---	---	---	---	---	---
2/14/2001		50.47		21.85		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**0.71**	ND<10	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
3/12/2001		50.53		21.79		---	---	---	---	---	---	---	---	---	---	---
4/6/2001		50.54		21.78		---	---	---	---	---	---	---	---	---	---	---
5/11/2001		50.50		21.82		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**1.2**	ND<10	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
6/8/2001		50.47		21.85		---	---	---	---	---	---	---	---	---	---	---
7/16/2001		48.90		23.42		---	---	---	---	---	---	---	---	---	---	---
8/24/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
9/17/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
10/24/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
11/5/2001		48.82		23.50		no sample collected		---	---	---	---	---	---	---	---	---
12/5/2001		48.86		23.46		---	---	---	---	---	---	---	---	---	---	---
1/3/2002		48.90		23.42		---	---	---	---	---	---	---	---	---	---	---
2/15/2002		50.43		21.89		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	---
5/3/2002		50.47		21.85		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0-2.0	---
7/31/2002		48.99		23.33		no sample collected		---	---	---	---	---	---	---	---	---
12/5/2002		48.63		23.69		no sample collected		---	---	---	---	---	---	---	---	---
2/13/2003		49.44		22.88		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	---
5/21/2003		50.52		21.80		ND<50	**2.9**	ND<0.50	**0.62**	**0.53**	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	---
8/6/2003		50.45		21.87		ND<50	ND<0.50	**1.4**	**1.1**	**3.9**	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	---
11/6/2003		48.84		23.48		**57**	ND<0.50	ND<0.50	ND<0.50	**0.74**	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	---
2/11/2004		50.49		21.83		**52**	**3.1**	ND<0.50	**1.3**	**1.0**	**2.2**	ND<10	ND<1.0	ND<1.0	---	ND < 1.0-10
5/14/2004		50.49		21.83		ND<50	**5.9**	ND<0.50	**1.7**	**0.96**	**1.6**	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/30/2004		48.83		23.49		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
11/22/2004		NA		dry		no sample collected			---	---	---	---	---	---	---	---
2/3/2005		50.45		21.87		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	---
5/23/2005		50.48		21.84		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	---
8/1/2005		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
11/2/2005		48.79		23.53		ND<50	ND<0.50	**0.94**	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	---
2/9/2006		50.47		21.85		ND<50	ND<0.50	**1.4**	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
MW-6	72.24		3-10		9.57											
8/11/2000		NA		dry		no sample collected			---	---	---	---	---	---	---	---
9/8/2000		NA		dry		---	---	---	---	---	---	---	---	---	---	---
10/12/2000		NA		dry		---	---	---	---	---	---	---	---	---	---	---
11/9/2000		NA		dry		no sample collected			---	---	---	---	---	---	---	---
12/12/2000		NA		dry		---	---	---	---	---	---	---	---	---	---	---
1/8/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
2/14/2001		62.89		9.35		no sample collected			---	---	---	---	---	---	---	---
3/12/2001		63.62		8.62		---	---	---	---	---	---	---	---	---	---	---
4/6/2001		63.65		8.59		---	---	---	---	---	---	---	---	---	---	---
5/11/2001		63.71		8.53		**50,000**	**6,400**	**1,100**	**1,400**	**4,160**	**25,000**	**1,600**	**290**	**100**	All ND<50	All others ND
6/8/2001		63.43		8.81		---	---	---	---	---	---	---	---	---	---	---
7/16/2001		63.74		8.50		---	---	---	---	---	---	---	---	---	---	---
8/24/2001		63.00		9.24		no sample collected		---	---	---	---	---	---	---	---	---

TABLE 1: GROUNDWATER ANALYTICAL RESULTS
W and S Enviro- R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

	Groundwater Measurements					Analytical Results										
WELL/ Sample Date	Well Head Elevation (feet, NAVD-88)	Hydraulic Head (feet, NAVD-88)	Well Screen Interval (feet)	Depth to Water (feet)	Depth to Bottom of Screen (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	Lead Scavengers (µg/L)	Other Analytes (µg/L)
MW-6 Continued					9.57											
9/17/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
10/24/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
11/5/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
12/5/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
1/3/2002		63.67		8.57		---	---	---	---	---	---	---	---	---	---	---
2/15/2002		64.40		7.84		40,000	7,900	78	830	826	26,000	4,200	340	100	All ND<50-100	All others ND
5/3/2002		63.99		8.25		57,000	8,800	37	930	869	41,000	2,600	460	140	All ND<50-100	All others ND
7/31/2002		62.67		9.57		no sample collected			---	---	---	---	---	---	---	---
12/5/2002		NA		dry		no sample collected			---	---	---	---	---	---	---	---
2/13/2003		63.44		8.80		54,000	8,700	180	1,500	1,510	44,000	ND	500	140	**1,2-Dichloroethane = 4.2** All others ND<1.0	All others ND
5/21/2003		65.71		6.53		58,000	10,000	550	2,000	3,480	28,000	1,200	390	110	**1,2-Dichloroethane = 3.4** All others ND<1.0	All others ND
8/6/2003		63.39		8.85		45,000	8,700	130	1,900	1,600	35,000	ND	500	160	ND<1.0	All others ND
11/6/2003		NA		dry		no sample collected			---	---	---	---	---	---	---	---
2/11/2004		63.94		8.30		47,000	7,000	100	1,900	1,230	28,000	ND	380	ND	ND<100	
5/14/2004		63.92		8.32		38,000	6,300	95	1,900	1,530	25,000	980	340	110	ND<50	ND<50
8/30/2004		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
11/22/2004		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
2/3/2005		64.39		7.85		35,000	4,400	94	2,200	1,100	18,000	880	240	92	ND<1.0-10	---
5/23/2005		64.75		7.49		43,000	4,700	230	2,100	1,500	20,000	1100	280	91	ND<1.0-10	---
8/1/2005		66.54		5.70		36,000	5,200	33	1,800	870	25,000	960	330	99	ND<1.0-6.0	---
11/2/2005		NA		DRY		no sample collected										
2/9/2006		65.88		6.36		32,000	2,800	63	1,800	890	19,000	ND<2000	290	83	---	ND<1.0-5.0
MW-7	72.19		15-26.3		26.13											
8/11/2000		46.05		26.14		no sample collected		---	---	---	---	---	---	---	---	---
9/8/2000		NA		dry		---	---	---	---	---	---	---	---	---	---	---
10/12/2000		NA		dry		---	---	---	---	---	---	---	---	---	---	---
11/9/2000		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
12/12/2000		NA		dry		---	---	---	---	---	---	---	---	---	---	---
1/8/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
2/14/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
3/12/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
4/6/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
5/11/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
6/8/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
7/16/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
8/24/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
9/17/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
10/24/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
11/5/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
12/5/2001		45.91		26.28		---	---	---	---	---	---	---	---	---	---	---
1/3/2002		45.90		26.29		---	---	---	---	---	---	---	---	---	---	---
2/15/2002		46.23		25.96		no sample collected		---	---	---	---	---	---	---	---	---

TABLE 1: GROUNDWATER ANALYTICAL RESULTS
W and S Enviro- R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

	Groundwater Measurements					Analytical Results										
WELL/ Sample Date	Well Head Elevation (feet, NAVD-88)	Hydraulic Head (feet, NAVD-88)	Well Screen Interval (feet)	Depth to Water (feet)	Depth to Bottom of Screen (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	Lead Scavengers (µg/L)	Other Analytes (µg/L)
MW-7 Continued					26.13											
5/3/2002		46.37		25.82		no sample collected		---	---	---	---	---	---	---	---	---
7/31/2002		45.79		26.40		no sample collected		---	---	---	---	---	---	---	---	---
12/5/2002		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
2/13/2003		46.28		25.91		no sample collected		---	---	---	---	---	---	---	---	---
5/21/2003		47.76		24.43		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
8/6/2003		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
11/6/2003		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
2/11/2004		46.69		25.50		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
5/14/2004		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
8/30/2004		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
11/22/2004		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
2/3/2005		46.01		26.18		no sample collected		---	---	---	---	---	---	---	---	---
5/23/2005		47.03		25.16		no sample collected		---	---	---	---	---	---	---	---	---
8/1/2005		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
11/2/2005		45.89		26.30		no sample collected		---	---	---	---	---	---	---	---	---
2/9/2006		47.53		24.66		ND<50	0.71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
MW-8	72.30		10-15		13.68											
8/11/2000		60.53		11.77		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
9/8/2000		58.22		14.08		---	---	---	---	---	---	---	---	---	---	---
10/12/2000		58.22		14.08		---	---	---	---	---	---	---	---	---	---	---
11/9/2000		58.22		14.08		no sample collected		---	---	---	---	---	---	---	---	---
12/12/2000		58.22		14.08		---	---	---	---	---	---	---	---	---	---	---
1/8/2001		58.24		14.06		---	---	---	---	---	---	---	---	---	---	---
2/14/2001		58.22		14.08		no sample collected		---	---	---	---	---	---	---	---	---
3/12/2001		58.22		14.08		---	---	---	---	---	---	---	---	---	---	---
4/6/2001		58.21		14.09		---	---	---	---	---	---	---	---	---	---	---
5/11/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
6/8/2001		58.22		14.08		---	---	---	---	---	---	---	---	---	---	---
7/16/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
8/24/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
9/17/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
10/24/2001		NA		dry		---	---	---	---	---	---	---	---	---	---	---
11/5/2001		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
12/5/2001		58.23		14.07		---	---	---	---	---	---	---	---	---	---	---
1/3/2002		58.22		14.08		---	---	---	---	---	---	---	---	---	---	---
2/15/2002		58.21		14.09		no sample collected		---	---	---	---	---	---	---	---	---
5/3/2002		58.19		14.11		no sample collected		---	---	---	---	---	---	---	---	---
7/31/2002		58.18		14.12		no sample collected		---	---	---	---	---	---	---	---	---
12/5/2002		57.96		14.34		no sample collected		---	---	---	---	---	---	---	---	---
2/13/2003		58.16		14.14		ND<2,500	ND<25	ND<25	ND<25	ND<25	ND<50	ND<1000	ND<25	ND<25	All ND<25-50	ND<25
5/21/2003		57.98		14.32		no sample collected		---	---	---	---	---	---	---	---	---
8/6/2003		57.87		14.43		no sample collected		---	---	---	---	---	---	---	---	---
11/6/2003		57.79		14.51		ND<2,500	ND<25	ND<25	ND<25	ND<25	ND<50	ND<1000	ND<25	ND<25	All ND<25-50	ND<25
2/11/2004		57.67		14.63		---	---	---	---	---	---	---	---	---	---	---
5/14/2004		57.65		14.65		no sample collected		---	---	---	---	---	---	---	---	---
8/30/2004		57.70		14.60		no sample collected		---	---	---	---	---	---	---	---	---
11/22/2004		57.66		14.64		no sample collected		---	---	---	---	---	---	---	---	---
2/3/2005		57.68		14.62		no sample collected		---	---	---	---	---	---	---	---	---
5/23/2005		57.70		14.60		no sample collected		---	---	---	---	---	---	---	---	---
8/1/2005		57.63		14.67		no sample collected		---	---	---	---	---	---	---	---	---
11/2/2005		57.59		14.71		no sample collected		---	---	---	---	---	---	---	---	---
2/9/2006		57.63		14.67		no sample collected		---	---	---	---	---	---	---	---	---

TABLE 1: GROUNDWATER ANALYTICAL RESULTS
W and S Enviro- R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

	Groundwater Measurements					Analytical Results										
WELL/ Sample Date	Well Head Elevation (feet, NAVD-88)	Hydraulic Head (feet, NAVD-88)	Well Screen Interval (feet)	Depth to Water (feet)	Depth to Bottom of Screen (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	Lead Scavengers (µg/L)	Other Analytes (µg/L)
MW-9	71.60		5-10		8.90											
7/31/2002		59.83		11.77		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**3.1**	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
12/5/2002		62.14		9.46		no sample collected		---	---	---	---	---	---	---	---	
2/13/2003		62.18		9.42		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
5/21/2003		61.82		9.78		no sample collected		---	---	---	---	---	---	---	---	---
8/6/2003		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
11/6/2003		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
2/11/2004		NA		dry		no sample collected		---	---	---	---	---	---	---	---	---
5/14/2004		61.70		9.90		no sample collected		---	---	---	---	---	---	---	---	---
8/30/2004		61.69		9.91		no sample collected		---	---	---	---	---	---	---	---	---
11/22/2004		61.71		9.89		no sample collected		---	---	---	---	---	---	---	---	---
2/3/2005		61.71		9.89		no sample collected		---	---	---	---	---	---	---	---	---
5/23/2005		66.61		4.99		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
8/1/2005		62.45		9.15		**63**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
11/2/2005		62.11		9.49		no sample collected		---	---	---	---	---	---	---	---	---
2/9/2006		67.06		4.54		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
MW-10	71.35		5-10		8.94											
7/31/2002		62.28		9.07		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	---	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
12/5/2002		61.94		9.41		no sample collected			---	---	---	---	---	---	---	---
2/13/2003		62.33		9.02		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
5/21/2003		62.51		8.84		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
8/6/2003		62.27		9.08		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
11/6/2003		61.69		9.66		no sample collected		---	---	---	---	---	---	---	---	---
2/11/2004		63.37		7.98		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
5/14/2004		62.29		9.06		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/30/2004		61.97		9.38		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
11/22/2004		61.73		9.62		no sample collected		---	---	---	---	---	---	---	---	---
2/3/2005		64.00		7.35		ND<50	**4.2**	ND<0.50	**1.8**	**0.81**	**1.3**	ND<10	ND<1.0	ND<1.0	---	ND<1.0
5/23/2005		61.93		9.42		no sample collected		---	---	---	---	---	---	---	---	---
8/1/2005		62.18		9.17		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
11/2/2005		61.84		9.51		no sample collected		---	---	---	---	---	---	---	---	---
2/9/2006		63.50		7.85		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
MW-11	71.82		5-10		8.65											
7/31/2002		62.86		8.96		**420**	**190**	ND<0.50	**0.67**	**12.5**	**32**	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
12/5/2002		62.49		9.33		no sample collected		---	---	---	---	---	---	---	---	---
2/13/2003		63.06		8.76		**120**	**15**	ND<0.50	**1.1**	**1.1**	**41**	ND<60	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
5/21/2003		63.27		8.55		**79**	**5.5**	ND<0.50	ND<0.50	ND<0.50	**26**	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
8/6/2003		62.86		8.96		**73**	**8.3**	ND<0.50	**0.58**	**0.70**	**30**	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
11/6/2003		62.41		9.41		**120**	**1.8**	ND<0.50	ND<0.50	ND<0.50	**24**	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
2/11/2004		62.21		9.61		---	---	---	---	---	---	---	---	---	---	---
5/14/2004		62.31		9.51		no sample collected		---	---	---	---	---	---	---	---	---
8/30/2004		62.31		9.51		no sample collected		---	---	---	---	---	---	---	---	---
11/22/2004		62.32		9.50		no sample collected		---	---	---	---	---	---	---	---	---
2/3/2005		62.22		9.60		no sample collected		---	---	---	---	---	---	---	---	---
5/23/2005		67.02		4.80		**70**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**7.1**	ND<20	ND<1.0	---	---	---
8/1/2005		65.66		6.16		ND<0.50	**0.75**	ND<0.50	ND<0.50	**0.52**	**9.5**	ND<10	ND<1.0	ND<1.0	---	---
11/2/2005		62.65		9.17		no sample collected		---	---	---	---	---	---	---	---	---
2/9/2006		67.42		4.40		**69**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**6.2**	ND<20	ND<1.0	ND<1.0	---	ND<1.0
MW-12	72.44		28-30.9		30.73											
7/31/2002		43.21		29.23		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
12/5/2002		42.50		29.94		no sample collected		---	---	---	---	---	---	---	---	---
2/13/2003		46.24		26.20		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
5/21/2003		47.76		24.68		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
8/6/2003		44.07		28.37		ND<50	ND<0.50	**1.1**	**0.68**	**2.17**	ND<0.50	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
11/6/2003		43.01		29.43		**65**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0

TABLE 1: GROUNDWATER ANALYTICAL RESULTS
W and S Enviro- R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

	Groundwater Measurements					Analytical Results										
WELL/ Sample Date	Well Head Elevation (feet, NAVD-88)	Hydraulic Head (feet, NAVD-88)	Well Screen Interval (feet)	Depth to Water (feet)	Depth to Bottom of Screen (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	Lead Scavengers (µg/L)	Other Analytes (µg/L)
MW-12 Continued					30.73											
2/11/2004		46.69		25.75		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
5/14/2004		45.76		26.68		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/30/2004		43.20		29.24		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
11/22/2004		43.58		28.86		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
2/3/2005		46.01		26.43		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
5/23/2005		47.05		25.39		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/1/2005		47.00		25.44		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
11/2/2005		43.86		28.58		---	---	---	---	---	---	---	---	---	---	---
2/9/2006		48.53		23.91		**60**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
MW-13	71.84		5-10		8.69											
7/31/2002		63.00		8.84		**5,700**	**360**	**890**	**140**	**1,070**	**13**	ND<10	ND<1.0	ND<1.0	All ND<1.0-2.0	ND<1.0
12/5/2002		62.67		9.17		**no sample collected**		---	---	---	---	---	---	---	---	---
2/13/2003		62.67		9.17		**6,700**	**580**	**50**	**530**	**1,476**	ND<20	ND<80	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
5/21/2003		62.26		9.58		**no sample collected**		---	---	---	---	---	---	---	---	---
8/6/2003		62.23		9.61		**no sample collected**		---	---	---	---	---	---	---	---	---
11/6/2003		62.24		9.60		**no sample collected**		---	---	---	---	---	---	---	---	---
2/11/2004		62.21		9.63		**no sample collected**		---	---	---	---	---	---	---	---	---
5/14/2004		62.24		9.60		**no sample collected**		---	---	---	---	---	---	---	---	---
8/30/2004		62.23		9.61		**no sample collected**		---	---	---	---	---	---	---	---	---
11/22/2004		62.25		9.59		**no sample collected**		---	---	---	---	---	---	---	---	---
2/3/2005		NA		dry		**no sample collected**		---	---	---	---	---	---	---	---	---
5/23/2005		67.00		4.84		**420**	**3.5**	ND<0.50	**7.7**	**3.9**	ND<1.0	ND<10	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
8/1/2005		63.06		8.78		**no sample collected**		---	---	---	---	---	---	---	---	---
11/2/2005		63.08		8.76		**390**	**0.98**	**0.8**	**3.3**	**4.7**	ND<1.0	ND<10	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
2/9/2006		67.58		4.26		**52**	**0.63**	ND<0.50	**0.84**	**0.58**	ND<1.0	ND<10	ND<1.0	ND<1.0	---	ND<1.0
MW-14	72.06		5-10		8.73											
7/31/2002		63.58		8.48		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**3.4**	ND<10	ND<1.0	ND<1.0	ND<1.0-2.0	ND<1.0
12/5/2002		62.73		9.33		**no sample collected**		---	---	---	---	---	---	---	---	---
2/13/2003		63.01		9.05		**580**	**83**	**7.9**	**28**	**36.4**	**8.2**	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
5/21/2003		62.45		9.61		**no sample collected**		---	---	---	---	---	---	---	---	---
8/6/2003		62.35		9.71		**no sample collected**		---	---	---	---	---	---	---	---	---
11/6/2003		62.35		9.71		**no sample collected**		---	---	---	---	---	---	---	---	---
2/11/2004		NA		dry		**no sample collected**		---	---	---	---	---	---	---	---	---
5/14/2004		63.04		9.02		**64**	ND<0.50	ND<0.50	**0.68**	ND<0.50	**5.0**	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/30/2004		62.73		9.33		**54**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**4.6**	ND<25	ND<1.0	ND<1.0	---	ND<1.0
11/22/2004		NA		dry		**no sample collected**		---	---	---	---	---	---	---	---	---
2/3/2005		62.44		9.62		**no sample collected**		---	---	---	---	---	---	---	---	---
5/23/2005		66.88		5.18		**210**	ND<0.50	ND<0.50	**3.9**	**4.3**	**2.1**	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/1/2005		63.02		9.04		**no sample collected**		---	---	---	---	---	---	---	---	---
11/2/2005		62.68		9.38		**no sample collected**		---	---	---	---	---	---	---	---	---
2/9/2006		67.58		4.48		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**2.7**	ND<10	ND<1.0	ND<1.0	---	ND<1.0

TABLE 1: GROUNDWATER ANALYTICAL RESULTS
W and S Enviro- R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

	Groundwater Measurements					Analytical Results										
WELL/ Sample Date	Well Head Elevation (feet, NAVD-88)	Hydraulic Head (feet, NAVD-88)	Well Screen Interval (feet)	Depth to Water (feet)	Depth to Bottom of Screen (feet)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	Lead Scavengers (µg/L)	Other Analytes (µg/L)
MW-15	72.21		5-10		8.83											
7/31/2002		63.16		9.05		**9,900**	**1,100**	**1,300**	**310**	**1,710**	**45**	ND<20	**1.8**	ND<1.0	ND<1.0-2.0	All others ND
12/5/2002		62.82		9.39		no sample collected			---	---	---	---	---	---	---	---
2/13/2003		66.66		5.55		**8,000**	**270**	**4.7**	**850**	**791**	**24**	ND<50	**1.1**	ND<1.0	All ND<1.0	ND<1.0
5/21/2003		66.67		5.54		**6,800**	**100**	**4.1**	**480**	**257**	**14**	ND<20	ND<1.0	ND<1.0	All ND<1.0	ND<1.0
8/6/2003		64.12		8.09		**5,500**	**310**	**8.9**	**640**	**465**	**20**	ND<20	**1.1**	ND<1.0	All ND<1.0	ND<1.0
11/6/2003		63.05		9.16		**4,700**	**200**	**5.1**	**330**	**205**	**24**	ND<20	**1.2**	ND<1.0	All ND<1.0	ND<1.0
2/11/2004		67.07		5.14		**3,800**	**40**	**1.7**	**200**	**106**	**16**	ND<30	ND<1.0	ND<1.0	---	ND<1.0
5/14/2004		66.26		5.95		**6,000**	**50**	**2.2**	**450**	**143**	**13**	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/30/2004		63.19		9.02		**4,000**	**39**	**2.0**	**240**	**89**	**19**	ND<25	**1.2**	ND<1.0	---	ND<1.0
11/22/2004		65.39		6.82		**3,700**	**54**	**2.7**	**340**	**210**	**20**	ND<170	**1.2**	ND<1.0	---	ND<1.0
2/3/2005		67.05		5.16		**3,100**	**16**	**1.4**	**160**	**71**	**13**	ND<20	ND<1.0	ND<1.0	---	ND<1.0
5/23/2005		66.79		5.42		**3,300**	**9.7**	**1.0**	**81**	**58**	ND<10	ND<15	ND<1.0	ND<1.0	---	ND<1.0
8/1/2005		65.76		6.45		**4,300**	**41**	**1.8**	**75**	**223**	ND<20	ND<20	ND<1.0	ND<1.0	---	ND<1.0
11/2/2005		63.09		9.12		**2,300**	**9.2**	**0.89**	**69**	**46**	**14**	ND<45	ND<1.0	ND<1.0	---	ND<1.0
2/9/2006		67.24		4.97		**1,900**	**6.1**	ND<0.50	**29**	**20.1**	**5.4**	ND<20	ND<1.0	ND<1.0	---	ND<1.0
MW-16	71.74		4-14		13.05											
8/30/2004		58.41		13.33		**3,200**	**26**	**85**	**16**	**323**	**36**	ND<10	ND<1.0	ND<1.0	---	ND<1.0
11/22/2004		58.02		13.72		**9,800**	**2,000**	**1,400**	**180**	**1,080**	**280**	**53**	**4.2**	ND<1.0	---	ND<1.0
2/3/2005		61.22		10.52		**4,300**	**180**	**22**	**300**	**980**	**72**	ND<35	**2.6**	ND<1.0	---	ND<1.0
5/23/2005		60.15		11.59		**2,400**	**120**	**4.3**	**160**	**242**	**24**	ND<10	ND<1.0	ND<1.0	---	ND<1.0
8/1/2005		58.00		13.74		**1,900**	**71**	**1.7**	**120**	**129**	**130**	ND<150	**4.9**	ND<1.0	---	ND<1.0
11/2/2005		57.89		13.85		---	---	---	---	---	---	---	---	---	---	---
2/9/2006		65.69		6.05		**2,900**	**40**	**3.9**	**120**	**133**	**11**	ND<20	ND<1.0	ND<1.0	---	ND<1.0
MW-17	71.50		4-14		13.03											
8/30/2004		57.82		13.68		no sample collected		---	---	---	---	---	---	---	---	---
11/22/2004		57.56		13.94		no sample collected		---	---	---	---	---	---	---	---	---
2/3/2005		59.78		11.72		**260**	**1.4**	ND<0.50	**3.3**	**8.0**	**190**	**83**	**7.3**	ND<1.0	---	ND<1.0
5/23/2005		59.39		12.11		**3,200**	**94.0**	**3**	**340.0**	**189.0**	**95**	ND<60	**3.7**	ND<1.0	---	ND<1.0
8/1/2005		57.80		13.70		no sample collected		---	---	---	---	---	---	---	---	---
11/2/2005		57.42		14.08		---	---	---	---	---	---	---	---	---	---	---
2/9/2006		67.08		4.42		**4,500**	**32**	**1.4**	**110**	**93**	**69**	**56**	**3.4**	ND<1.0	---	ND<1.0
MW-18	71.83		4-14		13.10											
8/30/2004		58.26		13.57		**580**	**6.3**	**14**	**4.4**	**95**	**17**	ND<10	**1.6**	ND<1.0	---	ND<1.0
11/22/2004		57.99		13.84		**7,400**	**2,000**	**460**	**200**	**890**	**190**	**85**	**13**	ND<1.0	---	ND<1.0
2/3/2005		59.81		12.02		**2,400**	**220**	**27**	**72**	**560**	**23**	ND<10	**2.5**	ND<1.0	---	ND<1.0
5/23/2005		66.58		5.25		**5,600**	**28**	**5.2**	**160**	**194**	ND<40	ND<20	**1.7**	ND<1.0	---	ND<1.0
8/1/2005		65.75		6.08		**7,700**	**67**	**5.9**	**280**	**553**	ND<80	ND<40	**3.4**	ND<1.0	---	ND<1.0
11/2/2005		58.84		12.99		**3,500**	**190**	**5.5**	**80**	**177**	**55**	**19**	**4.7**	ND<1.0	---	ND<1.0
2/9/2006		67.06		4.77		**3,900**	**17**	**1.6**	**78**	**124**	**31**	ND<30	**2.5**	ND<1.0	---	ND<1.0

Notes:
TPHg - total petroleum hydrocarbons as gasoline
Xylenes - total of m,p-xylenes and o-xylenes
Fuel oxygenates include:
MTBE- methyl tertiary butyl ether-
ETBE - ethyl tertiary butyl ether
TAME - tertiary amyl methyl ether
TBA - teriary butyl alcohol
DIPE - Di-isopropyl ether

All results reported in micrograms per liter (µg/L)
ND - non-detect at the reporting limit shown (µg/L)
Bold results indicate analyte detection
--- Not sampled

TABLE 2: HISTORIC HYDRAULIC GRADIENT DATA
W and S Enviro - R Village Texaco
723 South Fortuna Blvd, Fortuna
LACO No. 4329.04; LOP No. 12551

Date	Shallow Aquifer		Deep Aquifer	
	Direction	Slope	Direction	Slope
11/9/2000	NA	NA	NA	NA
12/12/2000	NA	NA	NA	NA
12/5/2002	S72°E	0.04	NA	NA
2/13/2003	S82°W	0.06	S50°W	0.06
5/21/2003	S43°E	0.05	S49°W	0.05
8/6/2003	S43°W	0.04	NA	NA
11/6/2003	S70°E	0.04	NA	NA
2/11/2004	S42°E	0.05	S49°W	0.07
5/14/2004	S38°E	0.04	S57°W	0.08
8/30/2004	NA	NA	NA	NA
11/22/2004	S61°E	NA	NA	NA
2/3/2005	NA	NA	S50°W	0.08
5/23/2005	N42°E	0.04	S45°W	0.04
8/1/2005	S20°E	0.03	NA	NA
11/12/2005	NA	NA	NA	NA
2/9/2006	N31°E	0.04	S26°W	0.03

Attachment 1

LACO ASSOCIATES
CONSULTING ENGINEERS
21 West Fourth Street, Eureka, CA 95501
TEL 707.443.5054
FAX 707.443.0553

Project Name: R Village Texaco
Project No.: 4329.02
Date: 2-9-06
Golbal ID No.: T0602300415
PM: CJW

Tech: SJD
Mob/Demob time: .50/.50
Travel time: 1.0
Time on site: 8:55
Time off site: 1:30
Mileage: 38

WELL No.:	MW4		MW5		MW6		MW7		MW8	
DIAMETER (in)	2.00		2.00		2.00		2.00		2.00	
SCREENED INTERVAL (ft)	3-10		15-24.1		3-10		15-26.3		10-15	
DEPTH TO WATER (ft)	4.88		21.85		6.36		24.66		14.67	
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL
FIELD INTRINSICS: pH	7.4	6.5	6.9	6.9						
TEMP (°C)	17.7	14.2	15.7	16.1						
Ecw (µmohs)	263	258	226	207						
ORP (mV)	52	113	52	59						
DO (mg/L)	1.03	0.85	3.66	4.04						
OTHER (units)										
PURGE: TIME	10:03	10:13	10:27	10:35						
METHOD (DHP/CB/B)	DHP		DHP							
RATE (Lpm)	0.18		0.19							
VOLUME (L)	1.75		1.50							
COLOR	CLEAR	CLEAR	CLEAR w/ WHITE BUGS!	YELLOW/ BROWN TINT						
ODOR	LIGHT RUBBER/SULFUR		NONE							
INTAKE DEPTH (FEET)	8.5		23.5							
SAMPLE: TIME	10:14		10:36							
METHOD (DHP/CB/B)	DHP		DHP							
ANALYTES	8260 List 1		8260 List 1		8260 List 5		8260 List 1		8260 List 1	
TOTAL DRAWDOWN (FEET)	0.69		0.95							
REMARKS										
WELL CONDITION	good		good		good		good		DRY/good	
WASTE DRUMS										

DEPTH MEASUREMENTS ARE REFERENCED TO TOP OF CASING

DHP=DOWN HOLE PUMP CB=CHECK BALL B=BAILER FD=FIELD DUPLICATE MB=METHOD BLANK FF=FIELD FILTERED

LACO ASSOCIATES
CONSULTING ENGINEERS
21 West Fourth Street, Eureka, CA 95501
TEL 707.443.5054
FAX 707.443.0553

Project Name: R Village Texaco
Project No.: 4329.02
Date: 2-9-06
Golbal ID No.: T0602300415
PM: CJW

Tech: SJD
Mob/Demob time: 1.50/1.50
Travel time: 1.00
Time on site: 8:55
Time off site: 1:30
Mileage: 38

WELL No.:	MW9		MW10		MW11		MW12		MW13	
DIAMETER (in)	2.00		2.00		2.00		1.50		2.00	
SCREENED INTERVAL (ft)	5-10		5-10		5-10		28-30.9		5 - 10	
DEPTH TO WATER (ft)	4.54		7.85		4.40		23.91		4.26	
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL
FIELD INTRINSICS: pH	6.4	6.2	6.6	6.2	6.5	6.6				
TEMP (°C)	19.2	17.9	18.6	18.6	17.8	16.3				
Ecw (µmohs)	145	151	175	175	281	275				
ORP (mV)	124	154	98	136	106	76				
DO (mg/L)	2.47	0.95	1.63	1.58	1.19	0.44				
OTHER (units)	—		—		—					
PURGE: TIME	11:24	11:32	11:05	11:13	11:43	11:51				
METHOD (DHP/CB/B)	DHP		DHP		DHP					
RATE (Lpm)	0.18		0.19		0.19					
VOLUME (L)	1.40		1.50		1.50					
COLOR	CLOUDY	CLOUDY	CLEAR	CLEAR	CLOUDY	LT. GREY CLOUDY				
ODOR	NONE		VERY SLIGHT POND WATER		STRONG SULFUR					
INTAKE DEPTH (FEET)	8.5		9.5		8.5					
SAMPLE: TIME	11:33		11:14		11:52					
METHOD (DHP/CB/B)	DHP		DHP		DHP					
ANALYTES	8260 List 1		8260 List 1		8260 List 1		8260 List 1		8260 List 1	
TOTAL DRAWDOWN (FEET)	0.74		0.63		0.08					
REMARKS	—		—		—					
WELL CONDITION	good		good		good		good		good	
WASTE DRUMS										

DEPTH MEASUREMENTS ARE REFERENCED TO TOP OF CASING

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Project Name: R Village Texaco
Project No.: 4329.02
Date: 2-9-06
Golbal ID No.: T0602300415
PM: CJW

Tech: SJD
Mobe/Demobe time: .50/.50
Travel time: 1.00
Time on site: 8:55
Time off site: 1:30
Mileage: 38

WELL No.:	MW14		MW15		MW16		MW17		MW18	
DIAMETER (in)	2.00		2.00		2.00		2.00		2.00	
SCREENED INTERVAL (ft)	5-10		5-10		4-14		4-14		4-14	
DEPTH TO WATER (ft)	4.48		4.97		6.05		4.42		4.77	
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL
FIELD INTRINSICS: pH	6.5	6.2	6.5	6.5					6.4	6.4
TEMP (°C)	17.4	15.8	17.1	16.3					17.5	16.0
Ecw (µmohs)	179	187	267	260					230	237
ORP (mV)	88	124	75	57					46	61
DO (mg/L)	1.66	0.63	1.41	0.65					1.28	0.60
OTHER (units)	—		—						—	
PURGE: TIME	12:03	12:11	12:23	12:31					12:42	12:50
METHOD (DHP/CB/B)	DHP		DHP						DHP	
RATE (Lpm)	0.18		0.18						0.19	
VOLUME (L)	1.40		1.40						1.50	
COLOR	CLEAR	CLOUDY	CLEAR	CLEAR					CLEAR	CLEAR
ODOR	STRONG SULFUR		MED. RUBBER / LIGHT SULFUR						LIGHT RUBBER / FUEL	
INTAKE DEPTH (FEET)	8.5		8.5						10.0	
SAMPLE: TIME	12:12		12:32						12:52	
METHOD (DHP/CB/B)	DHP		DHP						DHP	
ANALYTES	8260 List 1		8260 List 1		8260 List 1		8260 List 1		8260 List 1	
TOTAL DRAWDOWN (FEET)	0.39		0.77						0.05	
REMARKS	—		—						FD + MB	
WELL CONDITION	good		good		good		good		good	
WASTE DRUMS										

DEPTH MEASUREMENTS ARE REFERENCED TO TOP OF CASING

DHP=DOWN HOLE PUMP CB=CHECK BALL B=BAILER FD=FIELD DUPLICATE MB=METHOD BLANK FF=FIELD FILTERED

LACO ASSOCIATES
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21 West Fourth Street, Eureka, CA 95501
TEL 707.443.5054
FAX 707.443.0553

Project Name: R. VILLAGE TEXACO
Project No.: 4329.07

Tech: SJD
Date: 2-9-06

WELL ID:	METER ACCURACY RANGE				
MW4	+/- 0.2 pH	+/- 0.5 °C	+/- 20 µmohs	+/- 2 mv	+/- 0.3 mg/L
TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
10:05	6.7	14.8	265	89	1.22
10:07	6.5	14.4	263	105	1.08
10:09	6.5	14.3	262	110	0.90
10:11	6.5	14.3	259	112	0.88
10:13	6.5	14.2	258	113	0.85

WELL ID: MW5

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
10:29	6.9	16.0	219	50	3.54
10:31	6.9	15.8	213	52	3.88
10:33	6.9	15.9	208	58	4.02
10:35	6.9	16.1	207	59	4.04

WELL ID: MW10

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
11:07	6.3	18.6	176	125	1.93
11:09	6.2	18.6	175	134	1.62
11:11	6.2	18.6	176	136	1.64
11:13	6.2	18.6	175	136	1.58

WELL ID: MW9

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
11:26	6.3	18.1	149	144	1.45
11:28	6.2	17.8	150	150	1.24
11:30	6.2	17.9	150	153	1.04
11:32	6.2	17.9	151	154	0.95

WELL ID: MW11

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
11:45	6.6	16.7	283	87	0.92
11:47	6.6	16.4	282	80	0.56
11:49	6.6	16.4	279	77	0.50
11:51	6.6	16.3	275	76	0.44

WELL ID: MW14

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
12:05	6.3	16.2	185	113	1.03
12:07	6.2	15.8	185	120	0.86
12:09	6.2	15.8	186	123	0.72
12:11	6.2	15.8	187	124	0.63

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Project Name: R. VILLAGE TEXACO
Project No.: 4329.02
Tech: SJD
Date: 2-9-06

WELL ID:	METER ACCURACY RANGE				
MW15	+/- 0.2 pH	+/- 0.5 °C	+/- 20 µmohs	+/- 2 mv	+/- 0.3 mg/L
TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
12:25	6.5	16.1	267	67	1.30
12:27	6.6	16.0	264	62	0.92
12:29	6.5	16.2	262	58	0.74
12:31	6.5	16.3	260	57	0.65

WELL ID: MW18					
TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
12:44	6.4	16.7	236	57	0.79
12:46	6.4	16.2	237	60	0.68
12:48	6.3	16.1	238	60	0.63
12:50	6.4	16.0	237	61	0.60

WELL ID:

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)

WELL ID:

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)

WELL ID:

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)

WELL ID:

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)

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Project Name: R. VILLAGE TEXACO

Project No.: 4329.02

Tech: SJD

Date: 2-9-06

WELL ID: MW4		WELL ID: MW5		WELL ID: MW9		WELL ID: MW10		WELL ID: MW11		WELL ID: MW14	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)
9:30	4.88	9:32	21.85	9:43	4.54	9:46	7.85	9:40	4.40	9:48	4.48
10:00	4.88	10:24	21.85	11:20	4.54	11:01	7.85	11:40	4.40	12:00	4.48

WELL ID: MW15		WELL ID: MW18		WELL ID:		WELL ID:		WELL ID:		WELL ID:	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)
9:38	4.97	9:34	4.27								
12:20	4.97	12:39	4.27								

WELL ID:		WELL ID:		WELL ID:		WELL ID:		WELL ID:		WELL ID:	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)

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Project Name: R Village Texaco
Project No.: 4329.02
Date: 2-9-06
Golbal ID No.: T0602300415
PM: CJW

Tech: SJD/RLD
Mob/Demob time: .50/1.50
Travel time: 1.0
Time on site: 9:00
Time off site: 1:30
Mileage: 36

WELL No.:	MW4		MW5		MW6		MW7		MW8	
DIAMETER (in)	2.00		2.00		2.00		2.00		2.00	
SCREENED INTERVAL (ft)	3-10		15-24.1		3-10		15-26.3		10-15	
DEPTH TO WATER (ft)					6.36		24.66		14.67	
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL
FIELD INTRINSICS: pH					6.0	5.9	—	—		
FIELD INTRINSICS: TEMP (°C)					15.2	16.1	—	—		
FIELD INTRINSICS: Ecw (µmohs)					360	350	—	—		
FIELD INTRINSICS: ORP (mV)					143	225	—	—		
FIELD INTRINSICS: DO (mg/L)					1.37	0.70	—	—		
FIELD INTRINSICS: OTHER (units)					—		—			
PURGE: TIME					10:07	10:15	12:10	12:15		
PURGE: METHOD (DHP/CB/B)					DHP		3/4" B			
PURGE: RATE (Lpm)					0.25		—			
PURGE: VOLUME (L)					2.0		0.5			
PURGE: COLOR					CLEAR	CLEAR	CLEAR	CLEAR		
PURGE: ODOR					MED RUBBER MED SWEET		LIGHT SULFUR			
PURGE: INTAKE DEPTH (FEET)					9.0		25.5			
SAMPLE: TIME					10:17		12:17			
SAMPLE: METHOD (DHP/CB/B)					DHP		3/4" B			
SAMPLE: ANALYTES	8260 List 1		8260 List 1		8260 List 5		8260 List 1		8260 List 1	
SAMPLE: TOTAL DRAWDOWN (FEET)					0.86		—			
SAMPLE: REMARKS					—		NOT ENOUGH TO DO INTRINSICS		DRY @ 14.67	
WELL CONDITION					GOOD		GOOD		GOOD	
WASTE DRUMS										

DEPTH MEASUREMENTS ARE REFERENCED TO TOP OF CASING

DHP=DOWN HOLE PUMP CB=CHECK BALL B=BAILER FD=FIELD DUPLICATE MB=METHOD BLANK FF=FIELD FILTERED

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Project Name: R Village Texaco
Project No.: 4329.02
Date: 2-9-06
Golbal ID No.: T0602300415
PM: CJW

Tech: SJD/RLD
Mob/Demob time: .50/.50
Travel time: 1.0
Time on site: 9:00
Time off site: 1:30
Mileage: 36

WELL No.:	MW9		MW10		MW11		MW12		MW13	
DIAMETER (in)	2.00		2.00		2.00		1.50		2.00	
SCREENED INTERVAL (ft)	5-10		5-10		5-10		28-30.9		5 - 10	
DEPTH TO WATER (ft)							33.91		4.26	
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL
FIELD INTRINSICS: pH							—	—	5.7	5.4
TEMP (°C)							—	—	19.6	20
Ecw (µmohs)							—	—	150	150
ORP (mV)							—	—	135	334
DO (mg/L)							—	—	1.51	1.43
OTHER (units)							—		—	
PURGE: TIME							12:35	12:41	11:41	11:53
METHOD (DHP/CB/B)							3/4" B		DHP	
RATE (Lpm)							—		0.17	
VOLUME (L)							0.5		2.0	
COLOR							CLEAR	CLEAR	CLEAR	CLEAR
ODOR							MED - STRONG SULFUR		NONE	
INTAKE DEPTH (FEET)							29.0		7.5	
SAMPLE: TIME							12:43		11:55	
METHOD (DHP/CB/B)							3/4" B		DHP	
ANALYTES	8260 List 1		8260 List 1		8260 List 1		8260 List 1		8260 List 1	
TOTAL DRAWDOWN (FEET)							—		0.03	
REMARKS							BG Pump won't FET		—	
WELL CONDITION							Good		Good	
WASTE DRUMS										

DEPTH MEASUREMENTS ARE REFERENCED TO TOP OF CASING

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Project Name: R Village Texaco
Project No.: 4329.02
Date: 2-9-06
Golbal ID No.: T0602300415
PM: CJW

Tech: SJD/RLP
Mobe/Demobe time: .50/.50
Travel time: 1.0
Time on site: 9:00
Time off site: 1:30
Mileage: 36

WELL No.:	MW14		MW15		MW16		MW17		MW18	
DIAMETER (in)	2.00		2.00		2.00		2.00		2.00	
SCREENED INTERVAL (ft)	5-10		5-10		4-14		4-14		4-14	
DEPTH TO WATER (ft)					6.05		4.42			
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL
FIELD INTRINSICS: pH					6.1	6.0	6.4	6.2		
TEMP (°C)					18.1	20.4	18.6	17.7		
Ecw (µmohs)					290	290	430	430		
ORP (mV)					18	21	-14	-20		
DO (mg/L)					0.86	0.67	0.51	0.28		
OTHER (units)					—		—			
PURGE: TIME					11:17	11:23	10:49	10:57		
METHOD (DHP/CB/B)					DHP		DHP			
RATE (Lpm)					0.25		0.25			
VOLUME (L)					1.5		2.0			
COLOR					CLEAR	CLEAR	CLEAR	CLEAR		
ODOR					MED RUBBER MED SWEET		LIGHT SWEET LIGHT FUEL			
INTAKE DEPTH (FEET)					10.0		10.0			
SAMPLE: TIME					11:25		10:59			
METHOD (DHP/CB/B)					DHP		DHP			
ANALYTES	8260 List 1		8260 List 1		8260 List 1		8260 List 1		8260 List 1	
TOTAL DRAWDOWN (FEET)					0.35		0.02			
REMARKS					—		—			
WELL CONDITION					GOOD		GOOD			
WASTE DRUMS										

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LACO ASSOCIATES
CONSULTING ENGINEERS

21 West Fourth Street, Eureka, CA 95501
TEL 707.443.5054
FAX 707.443.0553

Project Name: REDWOOD VILLAGE TO LACO

Project No.: 4329 02

Tech: RCC

Date: 2-9-06

METER ACCURACY RANGE

WELL ID: MW6	+/- 0.2 pH	+/- 0.5 °C	+/- 20 µmohs	+/- 2 mv	+/- 0.3 mg/L
TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
10:09	6.0	16.3	360	197	1.69
10:11	5.9	16.2	360	208	1.01
10:13	5.9	16.1	350	224	0.76
10:15	5.9	16.1	350	225	0.70

WELL ID: MW7

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
			3/4"	B	

WELL ID: MW17

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
10:51	6.2	18.5	420	-17	0.69
10:53	6.2	18.0	430	-21	0.57
10:55	6.2	17.8	430	-20	0.30
10:57	6.2	17.7	430	-20	0.28

WELL ID: MW13

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
11:43	5.4	19.6	150	184	1.94
11:45	5.4	19.8	150	235	1.53
11:47	5.4	20.1	150	270	1.35
11:49	5.4	20.4	150	288	1.30
11:51	5.4	20.8	150	322	1.33
11:53	5.4	21.0	150	334	1.43

WELL ID: MW16

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
11:19	6.0	20.3	290	24	0.97
11:21	6.0	20.4	290	23	0.79
11:23	6.0	20.4	290	21	0.67

WELL ID: MW12

TIME	pH	TEMP (°C)	Ecw (µmohs)	ORP (mV)	DO (mg/L)
		3/4" B			

LACO ASSOCIATES
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21 West Fourth Street, Eureka, CA 95501
TEL 707.443.5054
FAX 707.443.0553

Project Name: REDWOOD VILLAGE TEXACO

Project No.: 4329.02

Tech: RLD

Date: 2-9-06

WELL ID: MW6		WELL ID: MW7		WELL ID: MW8		WELL ID: MW12		WELL ID: MW13		WELL ID: MW16	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)
9:05	6.36	9:10	24.66	9:15	14.67	9:20	23.91	9:25	4.26	9:30	6.05
9:40	6.36	9:45	24.66	DRY @	14.67	9:50	23.91	9:55	4.26	10:00	6.05

WELL ID: MW17		WELL ID: —		WELL ID: —		WELL ID: —		WELL ID: —		WELL ID: —	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)
9:25	4.42										
[illegible]	[illegible]										

WELL ID: —		WELL ID: —		WELL ID: —		WELL ID: —		WELL ID: —		WELL ID: —	
TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)	TIME	DTW (ft)

REVISED:10/21/2005

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Chain of Custody

LABORATORY NUMBER:

Attention: Accounts Payable
Results & Invoice to: Laco Associates
Address: 21 W. 4th St. Eureka CA 95501
Phone: (707) 443-5054
Copies of Report to: LACO ; Chris Watt
Sampler (Sign & Print): SJD

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☑ Verbal ☐ By:
Final Report: FAX ☐ Verbal ☐ By:

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: 4329.02
Project Name: WSE - R Village Texaco
Purchase Order Number: task 3035

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	ANALYSIS: 8260 List 1 (CONTAINER: 9, PRESERVATIVE: b)	ANALYSIS: 8260 List5 (CONTAINER: 9, PRESERVATIVE: b)	SAMPLE CONDITION/SPECIAL INSTRUCTIONS
	4329-MW4-W	2-9-06	Am	GW	3		GEOTRACKER
	4329-MW5-W	↓	↓	↓	3		
	4329-MW6-W					3	
	4329-MW7-W				3		
	4329-MW9-W				3		
	4329-MW10-W				3		
	4329-MW11-W				3		
	4329-MW12-W				3		
	4329-MW13-W		pm		3		

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME

SAMPLE DISPOSAL
☑ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

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Chain of Custody

LABORATORY NUMBER:

Attention: Accounts Payable
Results & Invoice to: Laco Associates
Address: 21 W 4th St. Eureka CA 95501
Phone: (707) 443-5054
Copies of Report to: LACO ; Chris Watt
Sampler (Sign & Print): SJD

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☑ Verbal ☐ By:
Final Report: FAX ☐ Verbal ☐ By:

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: 4329.02
Project Name: WSE - R Village Texaco
Purchase Order Number: task 3035

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	ANALYSIS: 8260 List 1	CONTAINER: 9	PRESERVATIVE: b
	4329-MW14-W	2-9-06	Am	GW		3	
	4329-MW15-W					3	
	4329-MW16-W					3	
	4329-MW17-W					3	
	4329-MW18-W					3	
	4329-QCMB-W					3	
	4329-QCFD-W					3	
	4329-QCTB-W		Pm			1	

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
GEOTRACKER

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME

SAMPLE DISPOSAL
☑ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

Attachment 2

NORTH COAST LABORATORIES LTD.

RECEIVED
LACO ASSOCIATES
FEB 23 2006
BY: DR

February 22, 2006

LACO Associates
P.O. Box 1023
Eureka, CA 95502

Attn: Accounts Payable

RE: 4329.02, WSE-R Village Texaco

Order No.: 0602188
Invoice No.: 56419
PO No.: TASK 3035
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	4329-MW4-W
02A	4329-MW5-W
03A	4329-MW6-W
04A	4329-MW7-W
05A	4329-MW9-W
06A	4329-MW10-W
07A	4329-MW11-W
08A	4329-MW12-W
09A	4329-MW13-W
10A	4329-MW14-W
11A	4329-MW15-W
12A	4329-MW16-W
13A	4329-MW17-W
14A	4329-MW18-W
15A	4329-QCMB-W
16A	4329-QCFD-W
17A	4329-QCTB-W

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

LMO
DRG
DNL
GH
GEO
HPI
CSW

File
Project #

REPORT CERTIFIED BY

Laboratory Supervisor(s) | QA Unit | Jesse G. Chaney, Jr. Laboratory Director

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CLIENT: LACO Associates
Project: 4329.02, WSE-R Village Texaco
Lab Order: 0602188

CASE NARRATIVE

Gasoline Components/Additives:
Sample 4329-MW12-W does not present a peak pattern consistent with that of gasoline. The reported result represents the amount of material in the gasoline range.

Samples 4329-MW4-W, 4329-MW6-W, 4329-MW15-W, 4329-MW16-W, 4329-MW17-W, 4329-MW18-W and 4329-QCFD-W appear to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported results represent the amount of material in the gasoline range.

The gasoline value for sample 4329-MW13-W includes the reported gasoline components in addition to other peaks in the gasoline range.

The gasoline value for sample 4329-MW11-W includes the reported gasoline additive in addition to other peaks in the gasoline range.

Some reporting limits were raised for samples 4329-MW6-W, 4329-MW11-W, 4329-MW15-W, 4329-MW16-W, 4329-MW18-W and 4329-QCFD-W due to matrix interference.

Sample 4329-MW6-W was diluted and the reporting limits raised additionally due to matrix interference.

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Date: 22-Feb-06
WorkOrder: 0602188

ANALYTICAL REPORT

Client Sample ID: 4329-MW4-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-01A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	490	50	µg/L	50		2/19/06
Tert-butyl alcohol (TBA)	250	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	2.5	1.0	µg/L	1.0		2/19/06
Benzene	4.7	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	32	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	9.5	0.50	µg/L	1.0		2/19/06
m,p-Xylene	1.2	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	89.3	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1,600	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW5-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-02A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/18/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/18/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/18/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/18/06
Benzene	ND	0.50	µg/L	1.0		2/18/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/18/06
Toluene	1.4	0.50	µg/L	1.0		2/18/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/18/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/18/06
o-Xylene	ND	0.50	µg/L	1.0		2/18/06
Surrogate: 1,4-Dichlorobenzene-d4	95.1	80.8-139	% Rec	1.0		2/18/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/18/06

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Date: 22-Feb-06
WorkOrder: 0602188

ANALYTICAL REPORT

Client Sample ID: 4329-MW6-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-03A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	19,000	1,000	µg/L	1,000		2/19/06
Tert-butyl alcohol (TBA)	ND	2,000	µg/L	50		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	83	1.0	µg/L	1.0		2/19/06
Benzene	2,800	25	µg/L	50		2/19/06
Tert-amyl methyl ether (TAME)	290	50	µg/L	50		2/19/06
1,2-Dichloroethane	ND	5.0	µg/L	1.0		2/19/06
Toluene	63	0.50	µg/L	1.0		2/19/06
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1.0		2/19/06
Chlorobenzene	ND	1.0	µg/L	1.0		2/19/06
Ethylbenzene	1,800	25	µg/L	50		2/19/06
m,p-Xylene	660	25	µg/L	50		2/19/06
o-Xylene	230	25	µg/L	50		2/19/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		2/19/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		2/19/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	89.7	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	32,000	2,500	µg/L	50		2/19/06

Client Sample ID: 4329-MW7-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-04A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	0.71	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	94.6	80.8-139	% Rec	1.0		2/19/06

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ANALYTICAL REPORT

WorkOrder: 0602188

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW9-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00

Lab ID: 0602188-05A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	ND	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	94.8	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW10-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00

Lab ID: 0602188-06A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	ND	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	94.2	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed

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ANALYTICAL REPORT

TPHC Gasoline	ND	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW11-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-07A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	6.2	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	20	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	ND	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	93.9	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	69	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW12-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-08A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	ND	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	94.2	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	60	50	µg/L	1.0		2/19/06

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Date: 22-Feb-06
WorkOrder: 0602188

ANALYTICAL REPORT

Client Sample ID: 4329-MW13-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-09A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	0.63	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	0.84	0.50	µg/L	1.0		2/19/06
m,p-Xylene	0.58	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	98.0	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	52	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW14-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-10A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	2.7	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	ND	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	94.0	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/19/06

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Date: 22-Feb-06
WorkOrder: 0602188

ANALYTICAL REPORT

Client Sample ID: 4329-MW15-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-11A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	5.4	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	20	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	6.1	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	29	0.50	µg/L	1.0		2/19/06
m,p-Xylene	15	0.50	µg/L	1.0		2/19/06
o-Xylene	5.1	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	89.4	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	1,900	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW16-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-12A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	11	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	20	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	40	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	3.9	0.50	µg/L	1.0		2/19/06
Ethylbenzene	120	25	µg/L	50		2/19/06
m,p-Xylene	87	0.50	µg/L	1.0		2/19/06
o-Xylene	46	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	88.0	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	2,900	50	µg/L	1.0		2/19/06

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Date: 22-Feb-06
WorkOrder: 0602188

ANALYTICAL REPORT

Client Sample ID: 4329-MW17-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-13A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	69	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	56	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	32	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	3.4	1.0	µg/L	1.0		2/19/06
Toluene	1.4	0.50	µg/L	1.0		2/19/06
Ethylbenzene	110	10	µg/L	20		2/19/06
m,p-Xylene	82	0.50	µg/L	1.0		2/19/06
o-Xylene	11	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	92.6	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	4,500	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-MW18-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-14A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	31	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	30	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	17	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	2.5	1.0	µg/L	1.0		2/19/06
Toluene	1.6	0.50	µg/L	1.0		2/19/06
Ethylbenzene	78	25	µg/L	50		2/19/06
m,p-Xylene	97	0.50	µg/L	1.0		2/19/06
o-Xylene	27	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	89.3	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	3,900	50	µg/L	1.0		2/19/06

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Date: 22-Feb-06
WorkOrder: 0602188

ANALYTICAL REPORT

Client Sample ID: 4329-QCMB-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-15A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	ND	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/19/06
Toluene	ND	0.50	µg/L	1.0		2/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/19/06
o-Xylene	ND	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	93.9	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/19/06

Client Sample ID: 4329-QCFD-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-16A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	30	1.0	µg/L	1.0		2/19/06
Tert-butyl alcohol (TBA)	ND	30	µg/L	1.0		2/19/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/19/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/19/06
Benzene	17	0.50	µg/L	1.0		2/19/06
Tert-amyl methyl ether (TAME)	2.4	1.0	µg/L	1.0		2/19/06
Toluene	1.6	0.50	µg/L	1.0		2/19/06
Ethylbenzene	80	10	µg/L	20		2/19/06
m,p-Xylene	98	0.50	µg/L	1.0		2/19/06
o-Xylene	26	0.50	µg/L	1.0		2/19/06
Surrogate: 1,4-Dichlorobenzene-d4	89.3	80.8-139	% Rec	1.0		2/19/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	3,900	50	µg/L	1.0		2/19/06

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Date: 22-Feb-06
WorkOrder: 0602188

ANALYTICAL REPORT

Client Sample ID: 4329-QCTB-W **Received:** 2/9/06 **Collected:** 2/9/06 0:00
Lab ID: 0602188-17A **Matrix:** Groundwater

Test Name: Gasoline Components/Additives **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		2/18/06
Tert-butyl alcohol (TBA)	ND	10	µg/L	1.0		2/18/06
Di-isopropyl ether (DIPE)	ND	1.0	µg/L	1.0		2/18/06
Ethyl tert-butyl ether (ETBE)	ND	1.0	µg/L	1.0		2/18/06
Benzene	ND	0.50	µg/L	1.0		2/18/06
Tert-amyl methyl ether (TAME)	ND	1.0	µg/L	1.0		2/18/06
Toluene	ND	0.50	µg/L	1.0		2/18/06
Ethylbenzene	ND	0.50	µg/L	1.0		2/18/06
m,p-Xylene	ND	0.50	µg/L	1.0		2/18/06
o-Xylene	ND	0.50	µg/L	1.0		2/18/06
Surrogate: 1,4-Dichlorobenzene-d4	94.0	80.8-139	% Rec	1.0		2/18/06

Test Name: TPH as Gasoline **Reference:** LUFT/EPA 8260B Modified

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
TPHC Gasoline	ND	50	µg/L	1.0		2/18/06

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North Coast Laboratories, Ltd.

Date: 22-Feb-06

CLIENT: LACO Associates
Work Order: 0602188
Project: 4329.02, WSE-R Village Texaco

QC SUMMARY REPORT

Method Blank

Sample ID **MB-2/18/06** Batch ID: **R39852** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **2/18/06 11:04:00 AM** Prep Date

Client ID: Run ID: **ORGCMS3_060217D** SeqNo: **572461**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	1.0									
Tert-butyl alcohol (TBA)	ND	10									
Di-isopropyl ether (DIPE)	ND	1.0									
Ethyl tert-butyl ether (ETBE)	ND	1.0									
Benzene	ND	0.50									
Tert-amyl methyl ether (TAME)	ND	1.0									
Toluene	0.08491	0.50									J
Ethylbenzene	ND	0.50									
m,p-Xylene	0.3689	0.50									J
o-Xylene	ND	0.50									
1,4-Dichlorobenzene-d4	0.936	0.10	1.00	0	93.6%	81	139	0			

Sample ID **MB-2/18/06** Batch ID: **R39850** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **2/18/06 11:04:00 AM** Prep Date

Client ID: Run ID: **ORGCMS3_060217C** SeqNo: **572424**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	26.73	50									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 22-Feb-06

CLIENT: LACO Associates
Work Order: 0602188
Project: 4329.02, WSE-R Village Texaco

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-06109** Batch ID: **R39852** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **2/18/06 9:48:00 AM** Prep Date

Client ID: Run ID: **ORGCMS3_060217D** SeqNo: **572460**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	18.52	1.0	20.0	0	92.6%	80	120	0			
Tert-butyl alcohol (TBA)	392.7	10	400	0	98.2%	25	162	0			
Di-isopropyl ether (DIPE)	18.74	1.0	20.0	0	93.7%	80	120	0			
Ethyl tert-butyl ether (ETBE)	18.27	1.0	20.0	0	91.3%	77	120	0			
Benzene	18.98	0.50	20.0	0	94.9%	78	117	0			
Tert-amyl methyl ether (TAME)	19.93	1.0	20.0	0	99.6%	64	136	0			
Toluene	19.52	0.50	20.0	0	97.6%	80	120	0			
Ethylbenzene	18.98	0.50	20.0	0	94.9%	80	120	0			
m,p-Xylene	39.10	0.50	40.0	0	97.7%	80	120	0			
o-Xylene	21.39	0.50	20.0	0	107%	80	120	0			
1,4-Dichlorobenzene-d4	0.978	0.10	1.00	0	97.8%	81	139	0			

Sample ID **LCSD-06109** Batch ID: **R39852** Test Code: **8260OXYW** Units: **µg/L** Analysis Date **2/19/06 5:00:00 AM** Prep Date

Client ID: Run ID: **ORGCMS3_060217D** SeqNo: **572474**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19.06	1.0	20.0	0	95.3%	80	120	18.5	2.88%	20	
Tert-butyl alcohol (TBA)	397.4	10	400	0	99.3%	25	162	393	1.18%	20	
Di-isopropyl ether (DIPE)	19.20	1.0	20.0	0	96.0%	80	120	18.7	2.40%	20	
Ethyl tert-butyl ether (ETBE)	18.71	1.0	20.0	0	93.6%	77	120	18.3	2.39%	20	
Benzene	18.97	0.50	20.0	0	94.8%	78	117	19.0	0.0747%	20	
Tert-amyl methyl ether (TAME)	20.29	1.0	20.0	0	101%	64	136	19.9	1.81%	20	
Toluene	19.70	0.50	20.0	0	98.5%	80	120	19.5	0.910%	20	
Ethylbenzene	19.18	0.50	20.0	0	95.9%	80	120	19.0	1.01%	20	
m,p-Xylene	38.92	0.50	40.0	0	97.3%	80	120	39.1	0.455%	20	
o-Xylene	21.38	0.50	20.0	0	107%	80	120	21.4	0.0522%	20	
1,4-Dichlorobenzene-d4	0.963	0.10	1.00	0	96.3%	81	139	0.978	1.52%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: LACO Associates
Work Order: 0602188
Project: 4329.02, WSE-R Village Texaco

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-06110** Batch ID: **R39850** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **2/18/06 10:13:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060217C** SeqNo: **572423**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	930.6	50	1,000	0	93.1%	80	120	0			

Sample ID **LCSD-06110** Batch ID: **R39850** Test Code: **GASW-MS** Units: **µg/L** Analysis Date **2/19/06 5:26:00 AM** Prep Date
Client ID: Run ID: **ORGCMS3_060217C** SeqNo: **572437**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	912.9	50	1,000	0	91.3%	80	120	931	1.93%	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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Chain of Custody

0602188

LABORATORY NUMBER:

Attention: Accounts Payable
Results & Invoice to: Laco Associates
Address: 21 W. 4th St. Eureka CA 95501
Phone: (707) 443-5054
Copies of Report to: LACO ; Chris Watt
Sampler (Sign & Print): SJD

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☑ Verbal ☐ By:
Final Report: FAX ☐ Verbal ☐ By:

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: 4329.02
Project Name: WSE - R Village Texaco
Purchase Order Number: task 3035

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	ANALYSIS	CONTAINER	PRESERVATIVE
-1	4329-MW4-W	2-9-06	AM	GW	8260 List 1	9	b
-2	4329-MW5-W	↓	↓	↓	8260 List5	9	b
-3	4329-MW6-W						
-4	4329-MW7-W						
-5	4329-MW9-W						
-6	4329-MW10-W						
-7	4329-MW11-W						
-8	4329-MW12-W						
-9	4329-MW13-W	↓	PM	↓			

	ANALYSIS	CONTAINER
-1	8260 List 1	3
-2	8260 List5	3
-3		3
-4		3
-5		3
-6		3
-7		3
-8		3
-9		3

SAMPLE CONDITION/SPECIAL INSTRUCTIONS
GEOTRACKER
Cold intact

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
STEVE DAVIS	2-9-06		2/9/06 1400
	2:10 pm		

SAMPLE DISPOSAL
☑ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

*MATRIX: DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT

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Chain of Custody

0602188

LABORATORY NUMBER:

Attention: Accounts Payable
Results & Invoice to: Laco Associates
Address: 21 W 4th St. Eureka CA 95501

Phone: (707) 443-5054
Copies of Report to: LACO ; Chris Watt

Sampler (Sign & Print): SJD

TAT: ☐ 24 Hr ☐ 48 Hr ☐ 5 Day ☐ 5–7 Day
☑ STD (2–3 Wk) ☐ Other:
PRIOR AUTHORIZATION IS REQUIRED FOR RUSHES

REPORTING REQUIREMENTS: State Forms ☐
Preliminary: FAX ☑ Verbal ☐ By:
Final Report: FAX ☐ Verbal ☐ By:

CONTAINER CODES: 1—½ gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

PRESERVATIVE CODES: a—HNO_3; b—HCl; c—H_2SO_4; d—$Na_2S_2O_3$; e—NaOH; f—$C_2H_3O_2Cl$; g—other

PROJECT INFORMATION

Project Number: 4329.02
Project Name: WSE - R Village Texaco
Purchase Order Number: task 3035

LAB ID	SAMPLE ID	DATE	TIME	MATRIX*	ANALYSIS: 8260 List 1	CONTAINER: 9	PRESERVATIVE: b
-10	4329-MW14-W	2-9-06	AM	GW	3		
-11	4329-MW15-W	↓	↓	↓	3		
-12	4329-MW16-W	↓	↓	↓	3		
-13	4329-MW17-W	↓	↓	↓	3		
-14	4329-MW18-W	↓	↓	↓	3		
-15	4329-QCMB-W	↓	↓	↓	3		
-16	4329-QCFD-W	↓	↓	↓	3		
-17	4329-QCTB-W	↓	PM	↓	1		

SAMPLE CONDITION/SPECIAL INSTRUCTIONS

GEOTRACKER

RELINQUISHED BY (Sign & Print)	DATE/TIME	RECEIVED BY (Sign)	DATE/TIME
STEVE DAVIS	2-9-06 2:10pm	[signature]	2/9/06 1400

SAMPLE DISPOSAL
☑ NCL Disposal of Non-Contaminated
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA
SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

PW

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT