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August 27, 2003

Ms. Eva Chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Second Quarter 2003 Groundwater Monitoring Report
575 Paseo Grande
San Lorenzo, California

Dear Ms. Chu:

Enclosed for your review is the *Second Quarter 2003 Groundwater Monitoring Report* prepared by SECOR International Incorporated (SECOR) on behalf of David D. Bohannon Organization (Bohannon). The report summarizes recent routine groundwater monitoring and sampling conducted by SECOR at 575 Paseo Grande in San Lorenzo, California (the Site).

Due to the large quantity of baseline water quality data collected at the Site since 1996, and considering the relatively consistent concentrations of petroleum hydrocarbon concentrations detected in groundwater beneath the Site, Bohannon and SECOR respectfully request that further groundwater monitoring and sampling at the Site be performed on a bi-annual basis. Under this schedule, the next sampling event will take place in December 2003. Bohannon will continue to submit groundwater monitoring reports following each event.

We appreciate your timely review of the enclosed document. In addition, we look forward to receiving your comments regarding the *Sensitive Receptor Survey and Conduit Study* prepared by SECOR and dated June 30, 2003. If you have any questions, please contact me at (925) 299-9300.

Sincerely,

A handwritten signature in black ink, appearing to read "Neil Doran".

Neil Doran
Project Geologist

Enclosure

cc: Andrew Bassak, Steefel, Levitt & Weiss
Michael Jepsen, David D. Bohannon Organization



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**SECOND QUARTER 2003
GROUNDWATER MONITORING REPORT**

**575 PASEO GRANDE
SAN LORENZO, CALIFORNIA**

SECOR Project No. 05OT.50063.00

Prepared For:

David D. Bohannon Organization
Sixty 31st Avenue
San Mateo, California 94403

Prepared by:

SECOR International Incorporated
57 Lafayette Circle
Lafayette, California 94549

August 26, 2003

SECOR

Second Quarter 2003 Groundwater Monitoring Report

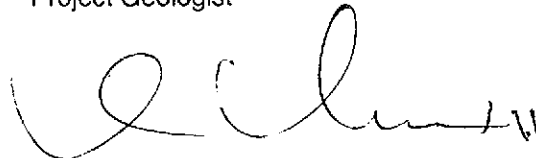
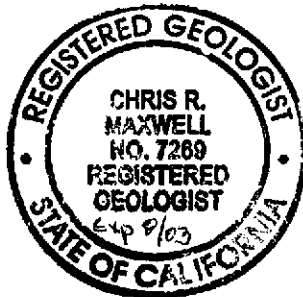
David D. Bohannon Organization
575 Paseo Grande
San Lorenzo, CA
SECOR Project No. 05OT.50063.00

The material and data in this report were prepared under the supervision and direction of the undersigned. This report was prepared consistent with current and generally accepted geologic and environmental consulting principles and practices that are within the limitations provided herein.

SECOR International Incorporated



Neil Doran
Project Geologist



Chris R. Maxwell, R.G., No. 7269
Principal Project Geologist

LIMITATIONS

The conclusions and recommendations contained in this report/assessment are based upon professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations:

1. The data and findings presented in this report are valid as of the dates when the investigations were performed. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.
2. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Work. The Scope of Work was defined by the request of the client, the time and budgetary constraints imposed by the client, and availability of access to the Site.
3. Because of the limitations stated above, the findings, observations, and conclusions expressed by SECOR in this report are not, and should not be, considered an opinion concerning the compliance of any past or present owner or operator of the Site with any federal, state or local law or regulation.
4. No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, and conclusions, which are based solely upon Site conditions in existence at the time of investigation.
5. SECOR reports present professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of federal, state or local governmental agencies. Any use of the report constitutes acceptance of the limits of SECOR's liability. SECOR's liability extends only to its client and not to any other parties who may obtain the report. Issues raised by the report should be reviewed by appropriate legal counsel.

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring, sampling, and analysis conducted on June 6, 2003, for the property located at 575 Paseo Grande, San Lorenzo, California (Site; Figure 1). This sampling event was conducted to continue the assessment of groundwater conditions beneath the Site. The previous groundwater monitoring and sampling event was conducted in March 2003.

The scope of work included measuring the depth-to-water in groundwater monitoring wells MW-1 through MW-7, and collecting groundwater samples for analysis of total petroleum hydrocarbons as gasoline (TPH/g) and benzene, toluene, ethylbenzene and total xylenes (BTEX).

1.1 BACKGROUND

Over the last 25 years, the Site has been used as an asphalt-paved parking area located in a C1 commercial zone. The Site was a gasoline station prior to 1969. Little information is known about the Site history related to its use as a gasoline service station. In anticipation of property redevelopment, initial investigation activities were conducted in March 1995 to determine if out-of-service gasoline service station underground equipment remained on-site. The work was conducted by Twining Laboratories, Inc. (TLI), as documented in their letter report dated April 15, 1995. The investigation included a magnetometer survey followed by an exploratory excavation. In summary, the work conducted identified underground gasoline service station equipment which included what appeared to be the former tank pit, approximately 110 feet of fuel delivery system piping, and a grease sump and/or hydraulic lift pit in an area which may have been the former service garage. Field evidence and one soil sample indicated the potential for soil contamination along the piping runs, around the grease sump, and around the inferred location of the former tank pit. Characterization of the magnitude and extent of potential soil contamination were not performed during initial investigation activities.

In June 1995, SECOR conducted additional activities at the Site which included removal of the former underground storage tank (UST) system piping and the former grease sump, and characterization soil sampling along pipelines and around the former grease sump and former tank pit areas. This work was summarized in SECOR's letter report dated June 29, 1995. The characterization data from this investigation indicated that there were two areas of concern at the Site: 1) the former grease sump area; and 2) the former gasoline distribution system area. SECOR subsequently conducted excavation activities in these two areas. The soil excavated from the former sump area was transported off-site for disposal. The soil generated from the UST excavation was treated by means of aeration and later transported off-site for disposal. Three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed during the investigation activities to evaluate the degree to which the groundwater had been affected. The results of the soil characterization and groundwater monitoring activities are reported in SECOR's *Report of Interim Remedial Actions* dated June 4, 1996, and *Fourth Quarter 1996 Monitoring and Sampling Report* dated November 26, 1996. Monitoring well locations are illustrated on Figure 2.

In June 1999, a utility trench survey was conducted around the Site, and a passive soil vapor survey was performed downgradient from the Site. The results of the utility trench and passive soil vapor surveys are documented in SECOR's *Third Quarter 1999 Groundwater Monitoring Results and Plume Definition Report* dated October 21, 1999.

On December 5, 2000, four additional groundwater monitoring wells (MW-4 through MW-7) were installed at the Site by SECOR. Soil and groundwater sampling was conducted to evaluate possible off-site migration of petroleum-related constituents originating from the Site, and to collect data to direct further subsurface investigations and/or remediation at the Site, if necessary. The work was conducted in general accordance with the *Work Plan for Additional Groundwater Monitoring Well Installation* dated October 22, 1999, and the *Addendum to the Work Plan for Additional Groundwater Monitoring Well Installation* dated December 2, 1999. The Work Plan was approved with comments in correspondence from the Alameda County Health Care Services Agency (ACHCSA) in a letter dated November 4, 1999.

Historically, two of the on-site wells (MW-2 and MW-3) and one well immediately downgradient to the west (MW-4) contain elevated concentrations of petroleum hydrocarbons. Wells further off-site to the west (MW-6 and MW-7) and south (MW-5) typically do not contain detectable levels of petroleum hydrocarbons, with the exception of well MW-7, which reported low concentrations of total xylenes (up to 6.7 milligrams per kilogram [mg/kg]) in the first two sampling events (December 2000 and February 2001). The well has since been non-detect for all constituents.

In January 2003, SECOR performed an additional limited subsurface investigation as described in the *Remedial Action Work Plan* dated October 25, 2002, and submitted to the ACHCSA. The Work Plan was approved by the ACHCSA in a letter dated October 28, 2002. Based on field observations, soil boring logs, and laboratory analytical results, SECOR concluded that: 1) subsurface materials consist primarily of fine-grained soils punctuated by zones of silty sand and can be divided into 'A', 'B', and 'C' zones based on depth and the occurrence of water-bearing sandy sediments; 2) Perched groundwater was encountered within fill materials at approximately 5 to 8 feet bgs, and water-bearing zones were encountered in silt and sand at depths of 13 to 15 feet bgs ('A' zone), in sand from 16 to 19 feet bgs ('B' zone), and in silty sand at 22.5 feet bgs ('C' zone); and 3) soil sample analytical results suggest that the majority of chemical impact exists in silty clay from approximately 8 to 13.5 feet bgs within and adjacent to the former UST and pump island excavation.

Based on these conclusions, SECOR recommended an additional phase of work to further characterize subsurface conditions in the vicinity of the Site. SECOR presented the findings of the investigation and the recommended additional scope of work in the *Limited Subsurface Investigation Report and Work Plan for Additional Soil and Groundwater Assessment* dated February 19, 2003. In correspondence dated April 29, 2003, Ms. Eva Chu of the ACHCSA requested that a receptor survey and conduit study be performed at the site prior to initiating additional subsurface investigation. SECOR's subsequently prepared the *Sensitive Receptor Survey and Conduit Study* dated June 30, 2003, and submitted it to the ACHCSA.

2.0 GROUNDWATER MONITORING

Groundwater monitoring wells MW-1 through MW-7 were gauged for depth-to-water and sampled on June 6, 2003.

2.1 WATER-LEVEL GAUGING

Prior to purging and sampling, the depth-to-groundwater was measured from the top of each well casing using a water-level indicator graduated to 0.01 foot. Depth-to-groundwater measurements and surveyed wellhead top-of-casing elevations were used to calculate groundwater surface elevations for each well. Table 1 presents historical groundwater elevation data for the Site.

2.2 PURGING AND SAMPLING

Each of the seven wells were purged using a low-flow purging method consisting of dedicated tubing attached to a variable speed peristaltic pump set to extract groundwater at a rate of 0.1 gallons per minute. Temperature, conductivity, pH, dissolved oxygen content, and oxidation-reduction potential were monitored using a flow-through cell during purging to confirm static water conditions prior to sampling. Copies of the field data sheets are attached as Appendix A.

Samples were collected from each well using the dedicated tubing to eliminate the possibility of cross-contamination between wells. Samples were placed in laboratory supplied sample containers, capped, labeled, and stored on ice pending delivery to STL San Francisco, a California state-certified laboratory. The groundwater samples were analyzed for TPH/g by modified U.S. Environmental Protection Agency (EPA) Method 8015M and for BTEX by EPA Method 8021B.

3.0 RESULTS

3.1 JUNE 2003 GROUNDWATER ELEVATION RESULTS

The average depth-to-water measurement taken at the Site on June 6, 2003, was 5.98 feet below the top of the well casing, with an average water-table elevation of 20.05 feet above mean sea level. Groundwater elevations decreased an average of 0.58 feet since the previous monitoring event in December 2002.

A potentiometric surface map illustrating the interpreted groundwater surface elevation and flow direction on June 6, 2003, is presented as Figure 3. The hydraulic gradient across the Site was approximately 0.0066 feet per foot toward the south-southwest. These results are generally consistent with flow direction results obtained during the prior monitoring events. As noted in previous reports, the flow direction beneath the Site is potentially tidally influenced by San Francisco Bay to the west.

3.2 JUNE 2003 GROUNDWATER ANALYTICAL RESULTS

Table 2 presents historical groundwater laboratory analytical results for the Site, including the June 2003 sampling event. Petroleum hydrocarbon chemical data for the June 2003 event are illustrated on Figure 4.

TPH/g and BTEX concentrations continue to be below laboratory method reporting limits in on-site well MW-1 and off-site wells MW-5, MW-6, and MW-7. Samples from wells MW-2, MW-3, and MW-4 continue to report detectable concentrations of petroleum hydrocarbons.

Copies of the laboratory analytical reports for groundwater samples are attached as Appendix B. The following provides a brief discussion of the analytical results.

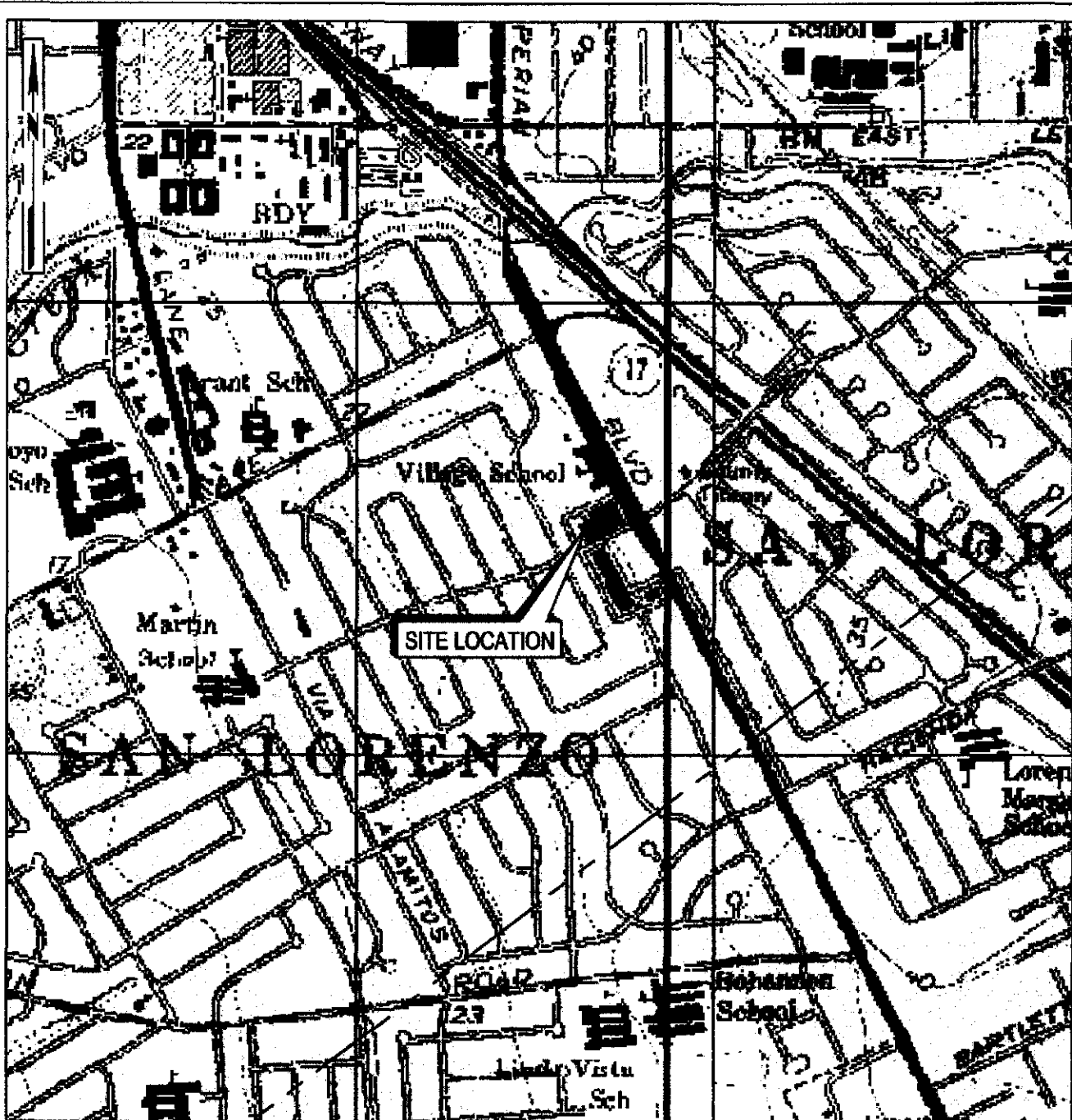
3.2.1 BTEX

BTEX constituents were reported in samples collected from wells MW-2, MW-3, and MW-4. Historical concentrations of benzene in these three wells are shown on Figure 5 (MW-2 and MW-4) and Figure 6 (MW-3). During the June 2003 event, benzene concentrations ranged from 150 micrograms per liter ($\mu\text{g/L}$) in MW-2 to 800 $\mu\text{g/L}$ in MW-3. Reported BTEX concentrations for the June 2003 event are generally consistent with historical results.

3.2.2 TPH/g

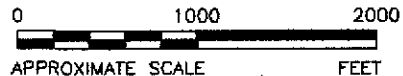
TPH/g was reported in samples collected from wells MW-2, MW-3, and MW-4. Historical concentrations of TPH/g in these three wells are shown on Figure 7 (MW-2 and MW-4) and Figure 8 (MW-3). During the June 2003 event, TPH/g concentrations ranged from 1,200 $\mu\text{g/L}$ in MW-2 to 4,600 $\mu\text{g/L}$ in MW-3. Reported TPH/g concentrations are generally consistent with historical results.

20030723.08003939 K:\BOH\2003 work plan\BOH-SITE LOCATION MAP-FIGURE 1-JAN_2003.dwg



REFERENCE:

DeLORME 3-D TOPOQUADS

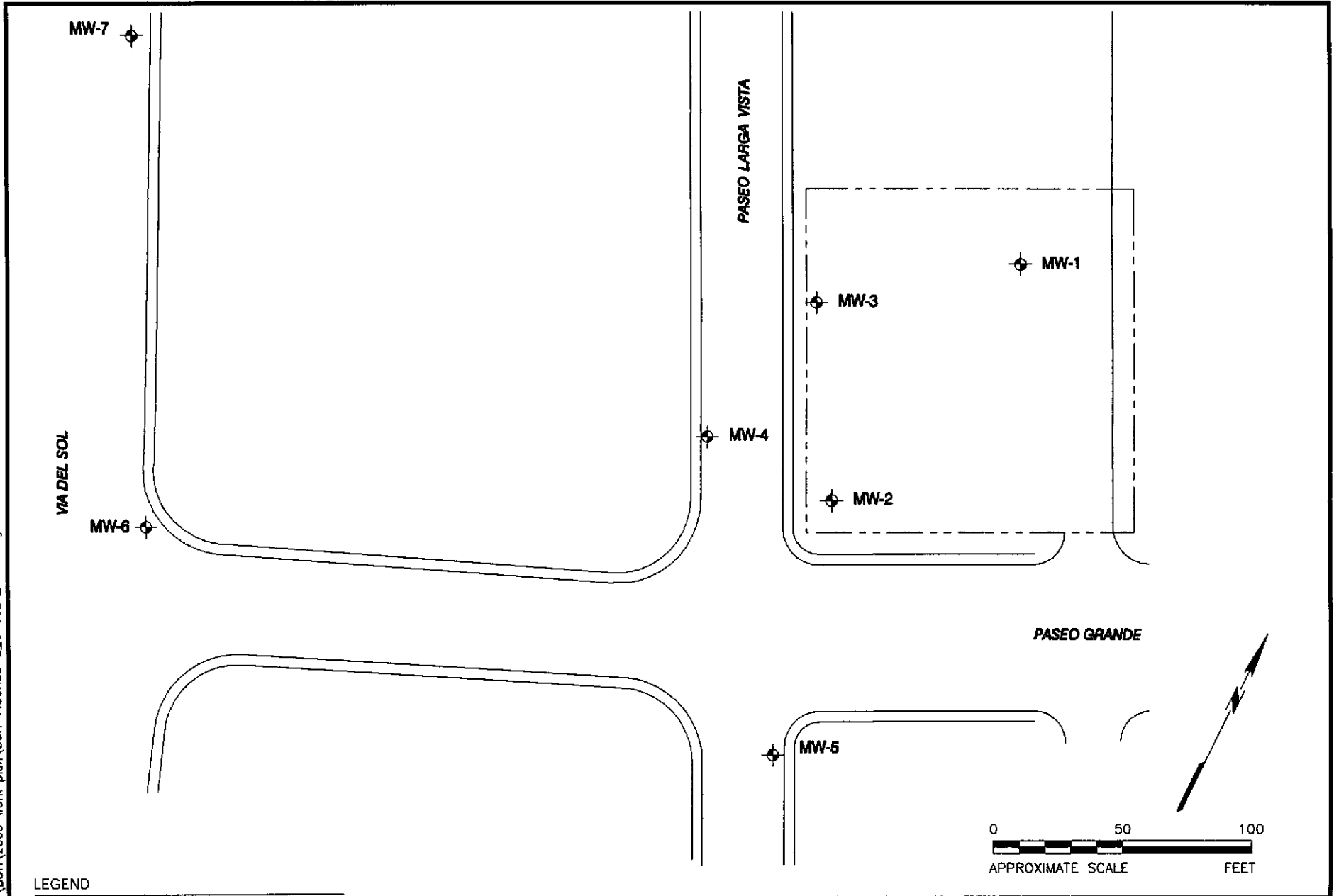


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APPR	ND
DATE	11 MAY 2002
JOB NO.	05OT.50063.01.0003



FIGURE 1
DAVID D. BOHANNON ORGANIZATION
 678 PASSEO GRANDE
 SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

20030723.0754553 K:\BOH\2003 work plan\BOH-FIGURES-2_6-JULY_2003.dwg



LEGEND

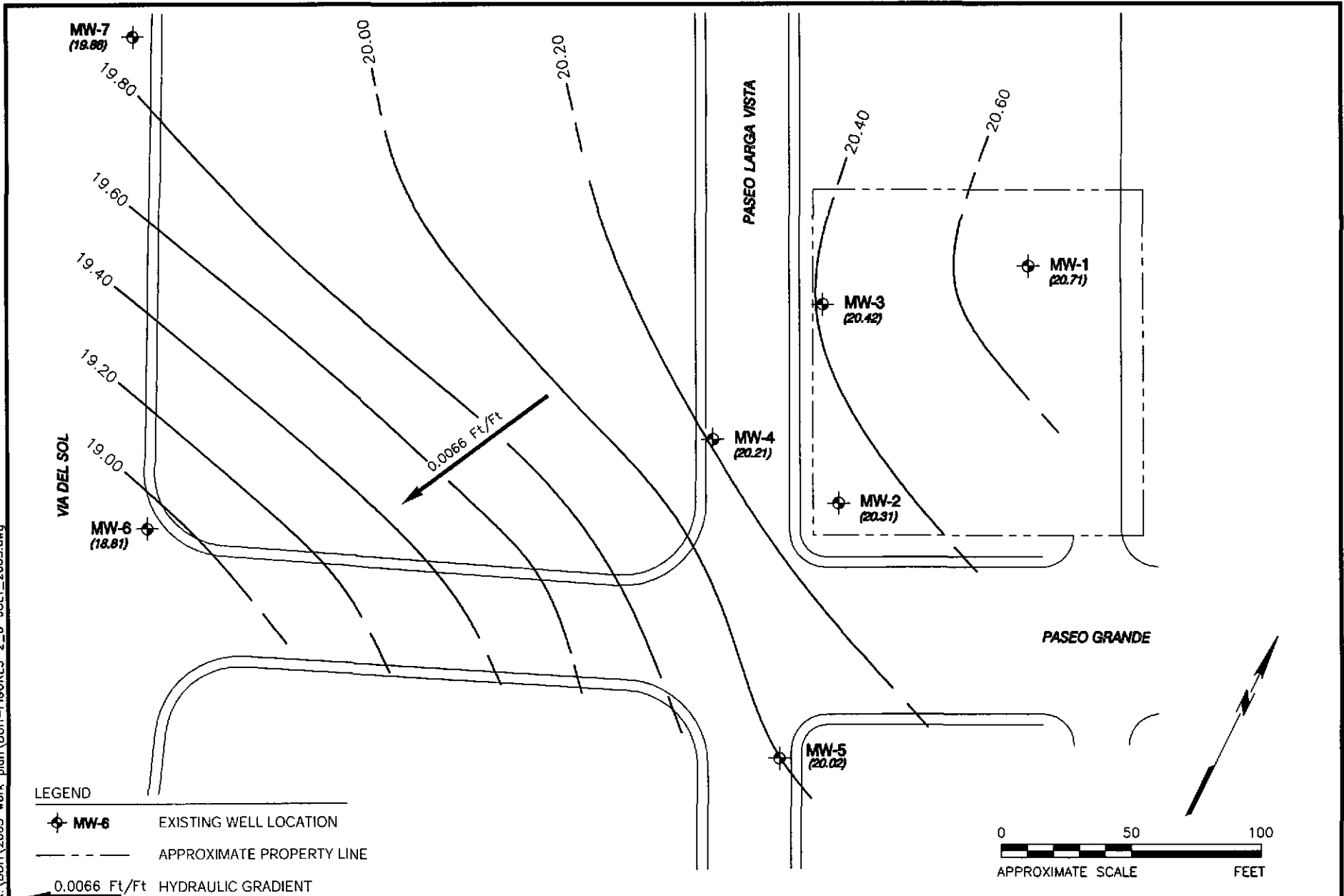
-  MW-6 EXISTING WELL LOCATION
-  APPROXIMATE PROPERTY LINE



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DATE	23 JULY 2003
JOB NO.	050T.50026.00.0005

FIGURE 2
 BOHANNON DEVELOPMENT COMPANY
 575 PASEO GRANDE
 SAN LORENZO, CALIFORNIA
 SITE PLAN

K:\BOH\2003 work plan\BOH-FIGURES-2_6-JULY_2003.dwg



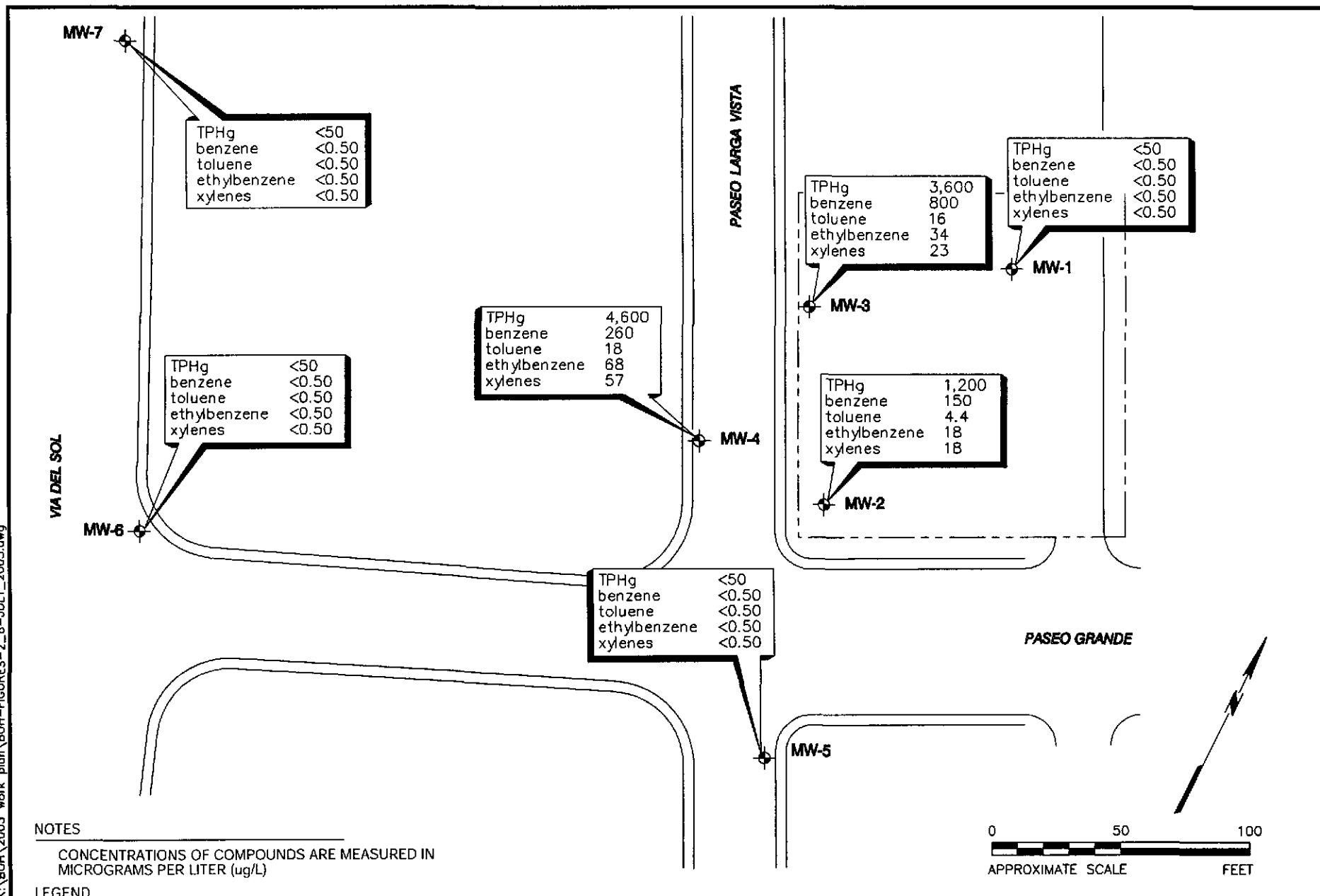
LEGEND

- MW-6** EXISTING WELL LOCATION
- APPROXIMATE PROPERTY LINE
- 0.0066 Ft/Ft HYDRAULIC GRADIENT
- 20.60 GROUNDWATER SURFACE ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (18.81) GROUNDWATER ELEVATION (FEET ABOVE MSL)

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	DATE	23 JULY 2003
	JOB NO.	050T.50063.00.0003

FIGURE 3
 BOHANNON DEVELOPMENT COMPANY
 575 PASEO GRANDE
 SAN LORENZO, CALIFORNIA
 POTENTIOMETRIC SURFACE MAP
 JUNE 6, 2003

20030723.07573127 K:\BOH\2003 work plan\BOH-FIGURES-2_6-JULY_2003.dwg



NOTES

CONCENTRATIONS OF COMPOUNDS ARE MEASURED IN MICROGRAMS PER LITER (µg/L)

LEGEND

- MW-6** EXISTING WELL LOCATION
- APPROXIMATE PROPERTY LINE
- TPHg** TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

	DRAWN	RRR
	APPR	ND
	DATE	23 JULY 2003
	JOB NO.	050T.50063.00.0003

FIGURE 4
 BOHANNON DEVELOPMENT COMPANY
 575 PASEO GRANDE
 SAN LORENZO, CALIFORNIA
CHEMICAL CONCENTRATIONS IN GROUNDWATER
 JUNE 6, 2003

Figure 5 - Historical Concentrations of Benzene at MW-2 and MW-4

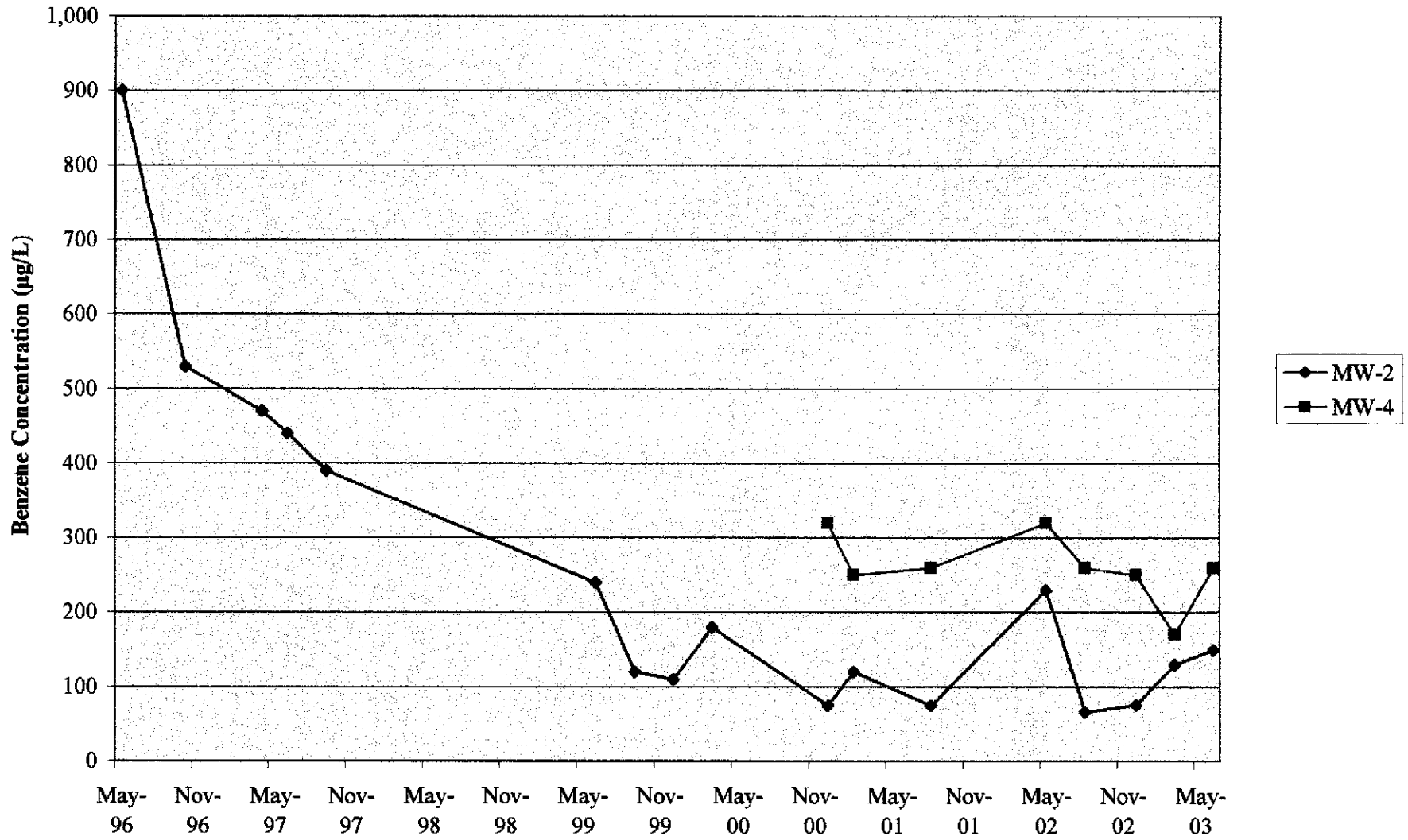


Figure 6 - Historical Concentrations of Benzene at MW-3

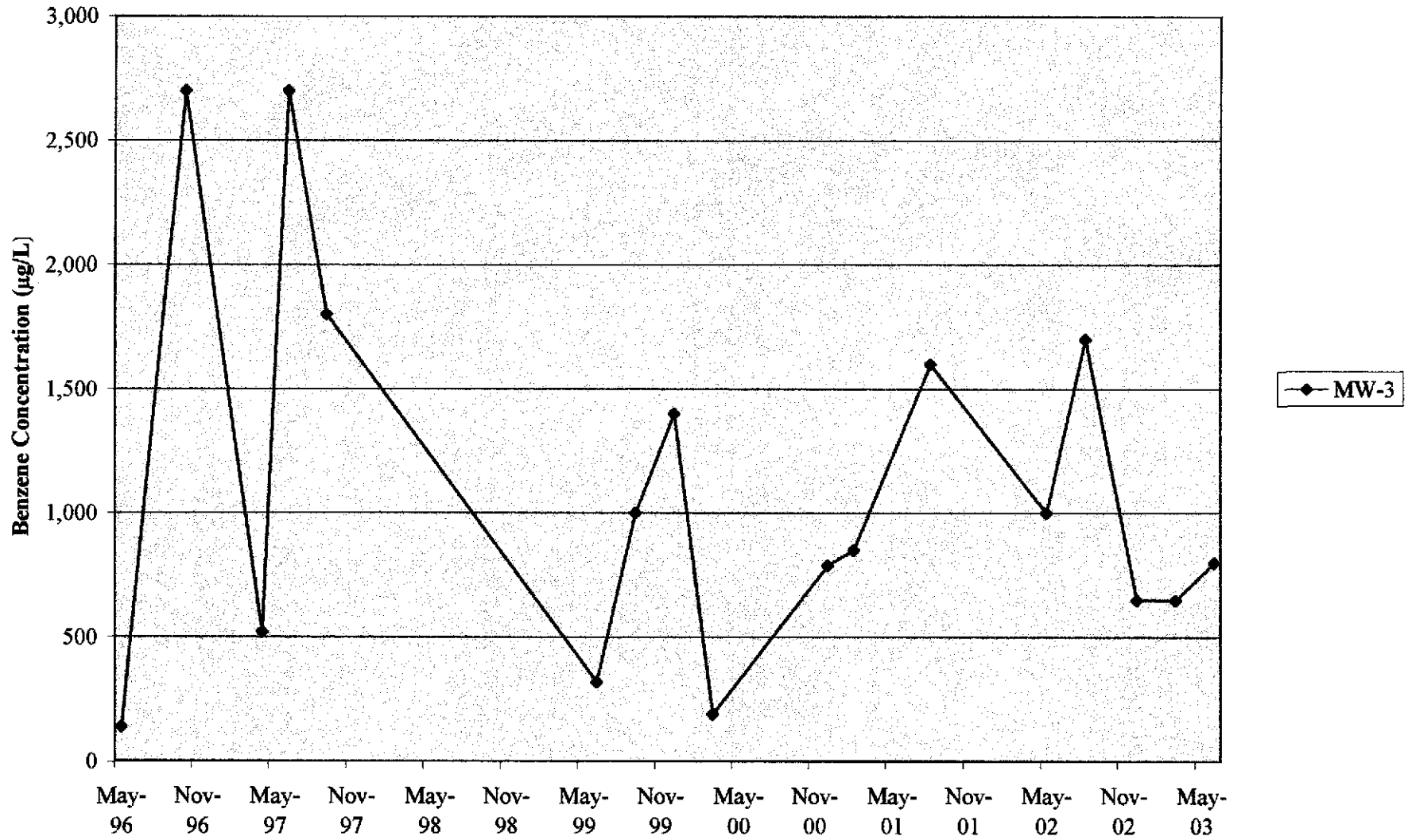


Figure 7 - Historical Concentrations of TPHg at MW-2 and MW-4

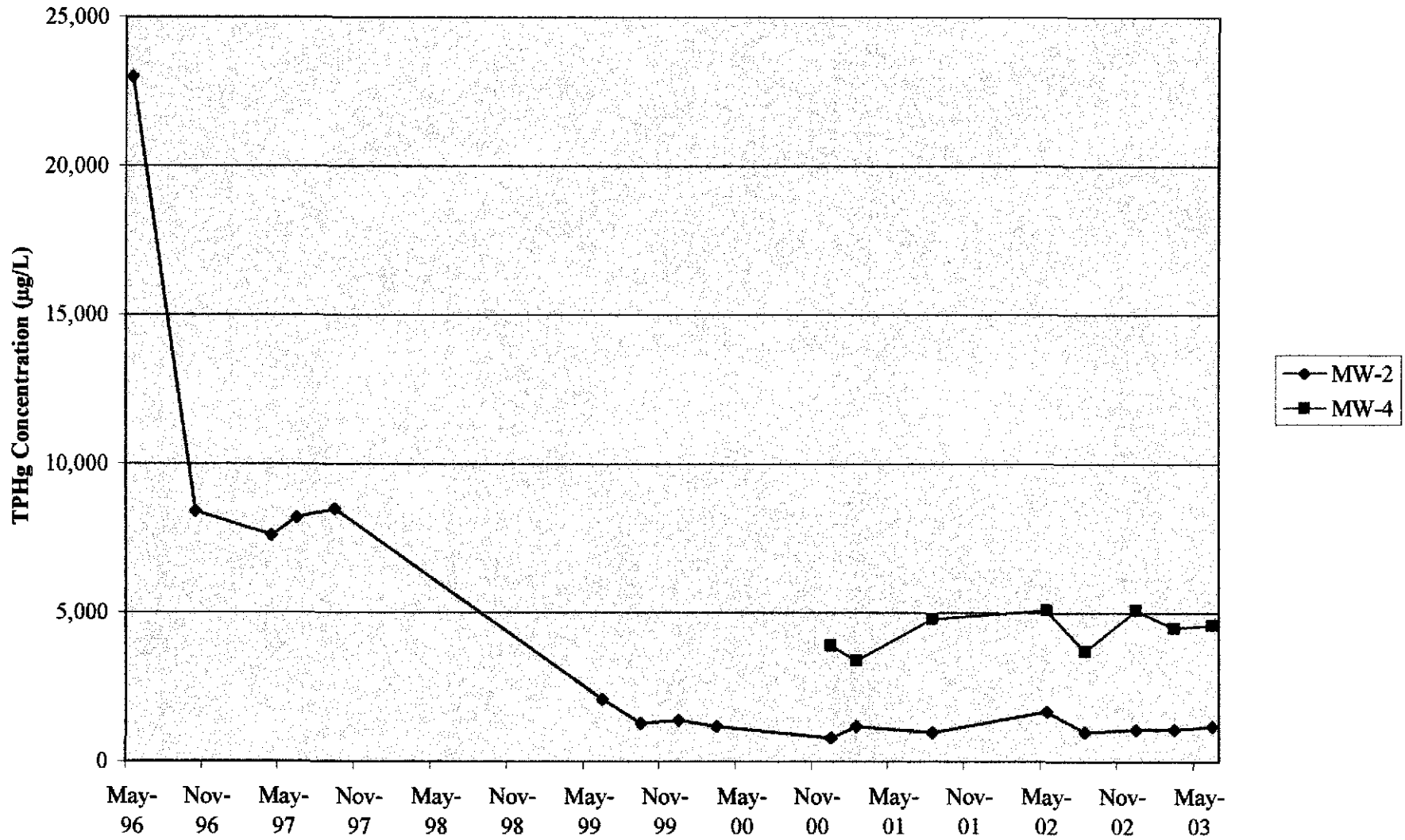
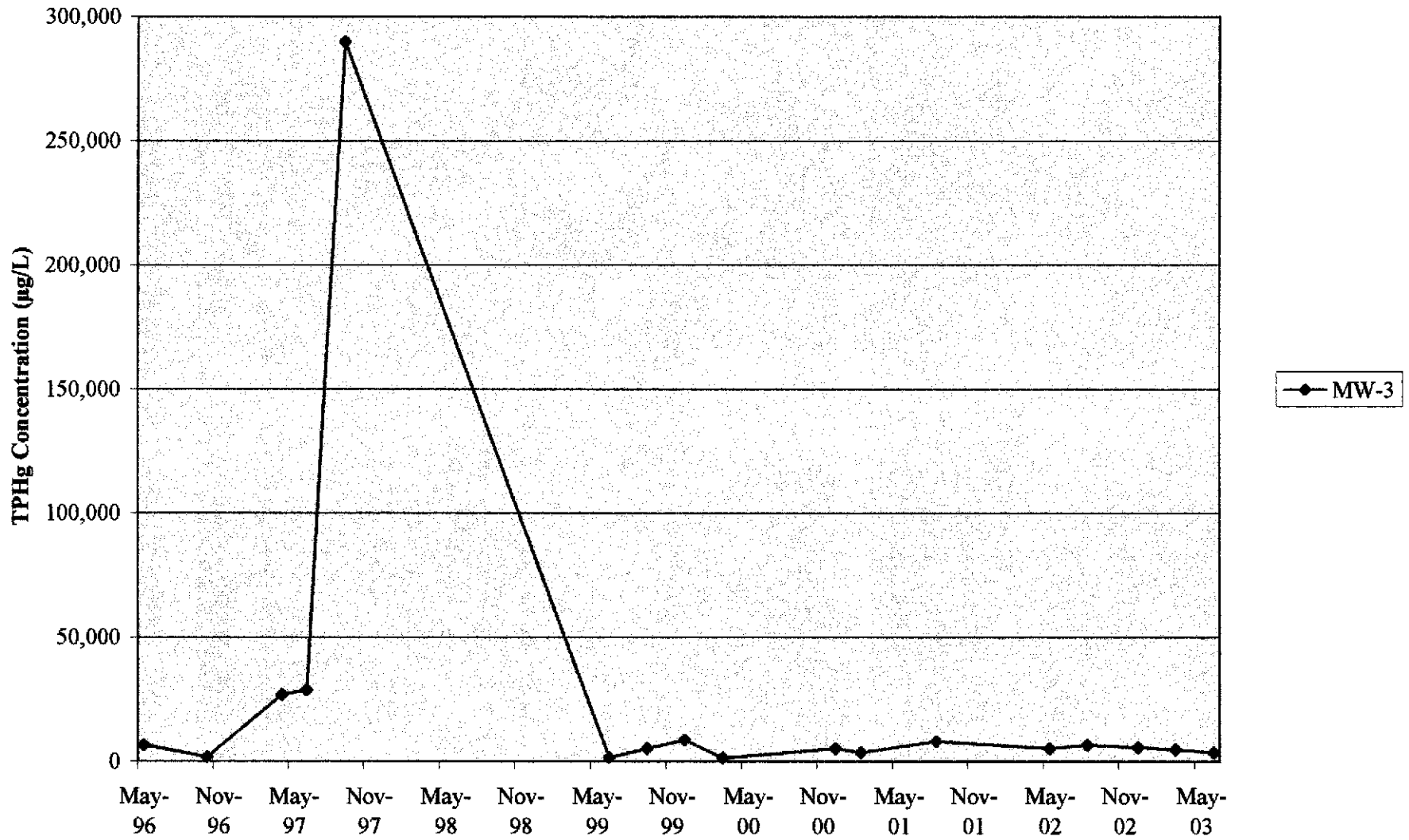


Figure 8 - Historical Concentrations of TPHg at MW-3



**Table 1
Historical Groundwater Elevation Data
575 Paseo Grande
San Lorenzo, California**

Date	TOC (ft msl)	DTW (ft bTOC)	ELEV (ft msl)	
MW-1				
17-May-96	27.11	5.65	21.46	
8-Oct-96		7.47	19.64	
1-Apr-97		6.27	20.84	
12-Jun-97		6.90	20.21	
10-Sep-97		7.48	19.63	
8-Jun-99		6.44	20.67	
13-Sep-99		7.56	19.55	
21-Dec-99		7.41	19.70	
17-Mar-00		5.35	21.76	
5-Dec-00		26.98	6.99	19.99
28-Feb-01	5.71		21.27	
22-Aug-01	7.39		19.59	
22-May-02	6.25		20.73	
29-Aug-02	7.23		19.75	
2-Dec-02	7.13		19.85	
4-Mar-03	5.77		21.21	
6-Jun-03	6.27		20.71	
MW-2				
17-May-96	26.73		5.56	21.17
8-Oct-96		7.15	19.58	
1-Apr-97		6.61	20.12	
12-Jun-97		6.76	19.97	
10-Sep-97		7.19	19.54	
8-Jun-99		6.45	20.28	
13-Sep-99		7.46	19.27	
21-Dec-99		7.26	19.47	
17-Mar-00		5.56	21.17	
5-Dec-00		26.73	7.01	19.72
28-Feb-01	5.81		20.92	
22-Aug-01	7.42		19.31	
22-May-02	6.40		20.33	
29-Aug-02	7.26		19.47	
2-Dec-02	7.02		19.71	
4-Mar-03	5.91		20.82	
6-Jun-03	6.42		20.31	
MW-3				
17-May-96	26.15		4.39	21.76
8-Oct-96		6.82	19.33	
1-Apr-97		5.53	20.62	
12-Jun-97		6.18	19.97	
10-Sep-97		6.81	19.34	
8-Jun-99		5.74	20.41	
13-Sep-99		6.88	19.27	
21-Dec-99		6.66	19.49	
17-Mar-00		4.51	21.64	
5-Dec-00		26.55	6.84	19.71
28-Feb-01	5.44		21.11	
22-Aug-01	7.29		19.26	
22-May-02	6.22		20.33	
29-Aug-02	7.26		19.29	
2-Dec-02	6.85		19.70	
4-Mar-03	5.72		20.83	
6-Jun-03	6.13		20.42	

**Table 1
Historical Groundwater Elevation Data
575 Paseo Grande
San Lorenzo, California**

Date	TOC (ft msl)	DTW (ft bTOC)	ELEV (ft msl)
MW-4			
5-Dec-00	25.87	6.28	19.59
28-Feb-01		4.99	20.88
22-Aug-01		6.73	19.14
22-May-02		5.50	20.37
29-Aug-02		6.55	19.32
2-Dec-02		6.28	19.59
4-Mar-03		5.28	20.59
6-Jun-03		5.66	20.21
MW-5			
5-Dec-00	25.77	6.25	19.52
28-Feb-01		4.95	20.82
22-Aug-01		6.69	19.08
22-May-02		5.50	20.27
29-Aug-02		6.54	19.23
2-Dec-02		6.37	19.40
4-Mar-03		5.41	20.36
6-Jun-03		5.75	20.02
MW-6			
5-Dec-00	24.89	5.68	19.21
28-Feb-01		4.35	20.54
22-Aug-01		6.15	18.74
22-May-02		4.91	19.98
29-Aug-02		5.96	18.93
2-Dec-02		5.70	19.19
4-Mar-03		4.69	20.20
6-Jun-03		6.08	18.81
MW-7			
5-Dec-00	25.43	6.43	19.00
28-Feb-01		4.76	20.67
22-Aug-01		6.95	18.48
22-May-02		5.55	19.88
29-Aug-02		NM	--
2-Dec-02		6.43	19.00
4-Mar-03		5.10	20.33
6-Jun-03		5.55	19.88

Notes:

TOC = Top of well casing
DTW = Depth to Water
ELEV = Water table elevation above MSL
ft msl = Feet above mean sea level
ft bTOC = Feet below top of casing
NM = Not Measured

Table 2
Historical Groundwater Analytical Results
575 Paseo Grande
San Lorenzo, California

	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
MW-1								
17-May-96	1,100	ND (<0.5)	8.7	7.4	17	NA	ND (<10)	ND (<50)
8-Oct-96	120	ND (<0.5)	ND (<0.5)	2.7	ND (<0.5)	NA	NA	NA
1-Apr-97	550	ND (<0.5)	ND (<0.5)	7.6	6.6	NA	NA	NA
12-Jun-97	160	ND (<0.5)	ND (<0.5)	2.9	1.7	NA	NA	NA
10-Sep-97	640	2.2 ^P	3.8 ^P	7.4 ^P	16 ^P	NA	NA	NA
8-Jun-99	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<10)	ND (<10)	ND (<20)
21-Dec-99	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	1.1	NA	NA	ND (<5.0)
13-Sep-99	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
17-Mar-00	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	0.79	ND (<5)	NA	ND (<5.0)
5-Dec-00	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
28-Feb-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
22-Aug-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<5.0)	NA	ND (<5.0)
22-May-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
29-Aug-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
2-Dec-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
4-Mar-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
6-Jun-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
MW-2								
17-May-96	23,000	900	330	650	1,500	NA	ND (<10)	ND (<50)
8-Oct-96	8,400	530	ND (<50)	400	360	NA	NA	NA
1-Apr-97	7,600	470	64	210	250	NA	NA	NA
12-Jun-97	8,200	440	52	190	190	NA	NA	NA
10-Sep-97	8,500	390	51 ^P	220	240	NA	NA	NA
8-Jun-99	2,100	240	8	33	40	ND (<10)	ND (<10)	33
13-Sep-99	1,300	120	ND (<5.0)	ND (<5.0)	15	NA	NA	NA
21-Dec-99	1,400	110	5.6	11	17	NA	NA	ND (<5.0)
17-Mar-00	1,200	180	19	28	31	ND (<50)	NA	ND (<5.0)
5-Dec-00	800	75	1.8	11	14	NA	NA	NA
28-Feb-01	1,200	120	7.1	19	27	NA	NA	NA
22-Aug-01	990	75	3.5	8.9	8.1	ND (<5.0)	NA	ND (<5.0)
22-May-02	1,700	230	12	12	25	NA	NA	NA
29-Aug-02	1,000	66	2.6	12	12	NA	NA	NA
2-Dec-02	1,100	76	8.7	11	17	NA	NA	NA
4-Mar-03	1,100	130	4.5	22	24	NA	NA	NA
6-Jun-03	1,200	150	4.4	18	18	NA	NA	NA

Table 2
Historical Groundwater Analytical Results
575 Paseo Grande
San Lorenzo, California

	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
MW-3								
17-May-96	6,700	140	45	210	180	NA	ND (<10)	ND (<50)
8-Oct-96	1,800	2,700	240	910	970	NA	NA	NA
1-Apr-97	27,000	520	50	520	450	NA	NA	NA
12-Jun-97	29,000	2,700	160	940	500	NA	NA	NA
10-Sep-97	290,000	1,800	3,200	2800 ^P	6900 ^P	NA	NA	NA
8-Jun-99	1,700	320	6.4	15	ND (<0.5)	ND (<10)	ND (<10)	24
13-Sep-99	5,400	1,000	ND (<20)	ND (<20)	ND (<20)	NA	NA	NA
21-Dec-99	8,800	1,400	63	17	23	NA	NA	ND (<5.0)
17-Mar-00	1,500	190	ND (<5)	7.6	ND (<5)	ND (<50)	NA	ND (<5.0)
5-Dec-00	5,400	790	20	7.4	10	NA	NA	NA
28-Feb-01	3,600	850	15	25	10	NA	NA	NA
22-Aug-01	8,100	1,600	28	44	17	ND (<50)	NA	ND (<5.0)
22-May-02	5,400	1,000	32	13	21	NA	NA	NA
29-Aug-02	6,700	1,700	55	49	38	NA	NA	NA
2-Dec-02	5,700	650	17	37	33	NA	NA	NA
4-Mar-03	5,000	650	18	42	27	NA	NA	NA
6-Jun-03	3,600	800	16	34	23	NA	NA	NA
MW-4								
5-Dec-00	3,900	320	13	41	31	NA	NA	ND (<5.0)
28-Feb-01	3,400	250	14	44	22	NA	NA	ND (<5.0)
22-Aug-01	4,800	260	12	27	9	ND (<50)	NA	ND (<5.0)
22-May-02	5,100	320	29	74	50	NA	NA	NA
29-Aug-02	3,700	260	ND (<5.0)	30	28	NA	NA	NA
2-Dec-02	5,100	250	8.9	26	22	NA	NA	NA
4-Mar-03	4,500	170	18	63	47	NA	NA	NA
6-Jun-03	4,600	260	18	68	57	NA	NA	NA
MW-5								
5-Dec-00	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	ND (<5.0)
28-Feb-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	ND (<5.0)
22-Aug-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<5.0)	NA	ND (<5.0)
22-May-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
29-Aug-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
2-Dec-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
4-Mar-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
6-Jun-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA

Table 2
Historical Groundwater Analytical Results
575 Paseo Grande
San Lorenzo, California

	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Chromium (µg/L)	Dissolved Inorganic Lead (µg/L)
MW-6								
5-Dec-00	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	ND (<5.0)
28-Feb-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	ND (<5.0)
22-Aug-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<5.0)	NA	ND (<5.0)
22-May-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
29-Aug-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
2-Dec-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
4-Mar-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
6-Jun-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
MW-7								
5-Dec-00	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	1.5	NA	NA	ND (<5.0)
28-Feb-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	6.7	NA	NA	ND (<5.0)
22-Aug-01	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<5.0)	NA	ND (<5.0)
22-May-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
29-Aug-02	NS	NS	NS	NS	NS	NS	NS	NS
2-Dec-02	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
4-Mar-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA
6-Jun-03	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NA	NA	NA

Notes:

TPHg = Total petroleum hydrocarbons quantified as gasoline

µg/L = Micrograms per liter

ND = Below laboratory detection limits (detection limit indicated in parentheses)

* The laboratory noted that there was a greater than 25% difference in results between the two GC columns.

NA = Not analyzed

NS = Not Sampled

APPENDIX A
Field Data Sheets
Second Quarter 2003
Groundwater Monitoring Report
575 Paseo Grande
San Lorenzo, California
SECOR Project No. 05OT.50063.00.0003
August 26, 2003

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: Mw-1
 CLIENT NAME: Tierra Solutions SAMPLED BY: ND SAMPLE I.D.: Mw-1
 LOCATION: 575 Paseo Grande, San Lorenzo, Ca QA SAMPLES: -

DATE PURGED 6-6-03 START (2400hr) 1008 END (2400hr) _____
 DATE SAMPLED 6-6-03 SAMPLE TIME (2400hr) ~~1020~~ 1030
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = 6.27 CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (mS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
<u>6-6-03</u>	<u>1009</u>	<u>0.5</u>	<u>21.02</u>	<u>1.421</u>	<u>7.06</u>	<u>3.9/0.34</u>	<u>228.5</u>
	<u>1010</u>	<u>1</u>	<u>20.98</u>	<u>1.432</u>	<u>7.10</u>	<u>1.7/0.15</u>	<u>229.9</u>
	<u>1011</u>	<u>1.5</u>	<u>20.96</u>	<u>1.433</u>	<u>7.11</u>	<u>1.4/0.13</u>	<u>228.1</u>
	<u>1012</u>	<u>2</u>	<u>20.92</u>	<u>1.433</u>	<u>7.11</u>	<u>1.2/0.11</u>	<u>221.3</u>
	<u>1013</u>	<u>2.5</u>	<u>20.90</u>	<u>1.431</u>	<u>7.12</u>	<u>1.1/0.10</u>	<u>219.9</u>
	<u>1014</u>	<u>3</u>	<u>20.91</u>	<u>1.429</u>	<u>7.12</u>	<u>1.1/0.10</u>	<u>218.0</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: V. low
 80% RECHARGE: YES NO ANALYSES: TPH, BTEX
 ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOA's w/ HCl

PURGING EQUIPMENT

Bladder Pump _____ Bailer (Teflon) _____
 Centrifugal Pump _____ Bailer (PVC) _____
 Submersible Pump _____ Bailer (Stainless Steel) _____
 Peristaltic Pump _____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump _____ Bailer (Teflon) _____
 Centrifugal Pump _____ Bailer (_____ PVC or _____ disposable)
 Submersible Pump _____ Bailer (Stainless Steel) _____
 Peristaltic Pump _____ Dedicated _____

Other: _____

WELL INTEGRITY: good LOCK#: _____

REMARKS: in core purge

SIGNATURE: ND

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: Mw.2
 CLIENT NAME: Tierra Solutions SAMPLED BY: ND SAMPLE I.D.: Mw.2
 LOCATION: 575 Paseo Grande, San Lorenzo, Ca QA SAMPLES: —

DATE PURGED 6.6.03 START (2400hr) ~~11028~~ 1135 END (2400hr) _____
 DATE SAMPLED 6.6.03 SAMPLE TIME (2400hr) 1150
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = 6.42 CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (mS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
<u>6.6.03</u>	<u>1136</u>	<u>0.5</u>	<u>21.63</u>	<u>1.679</u>	<u>6.85</u>	<u>58.5/4.75</u>	<u>-51.2</u>
	<u>1137</u>	<u>1</u>	<u>21.59</u>	<u>1.685</u>	<u>6.86</u>	<u>2.9/0.22</u>	<u>-86.3</u>
	<u>1138</u>	<u>1.5</u>	<u>21.56</u>	<u>1.690</u>	<u>6.86</u>	<u>1.3/0.11</u>	<u>-91.6</u>
	<u>1139</u>	<u>2</u>	<u>21.51</u>	<u>1.688</u>	<u>6.86</u>	<u>1.0/0.09</u>	<u>-87.7</u>
	<u>1140</u>	<u>2.5</u>	<u>21.48</u>	<u>1.690</u>	<u>6.87</u>	<u>1.0/0.09</u>	<u>-102.1</u>
	<u>1141</u>	<u>3</u>	<u>21.46</u>	<u>1.673</u>	<u>6.87</u>	<u>0.9/0.08</u>	<u>-103.5</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: very low

80% RECHARGE: YES NO ANALYSES: TRH, BTEX

ODOR: TRH SAMPLE VESSEL / PRESERVATIVE: (3) VOA's w/ H₂O

PURGING EQUIPMENT

Bladder Pump _____ Bailer (Teflon) _____
 Centrifugal Pump _____ Bailer (PVC) _____
 Submersible Pump _____ Bailer (Stainless Steel) _____
 Peristaltic Pump _____ Dedicated _____

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump _____ Bailer (Teflon) _____
 Centrifugal Pump _____ Bailer (_____ PVC or _____ disposable)
 Submersible Pump _____ Bailer (Stainless Steel) _____
 Peristaltic Pump _____ Dedicated _____

Other: _____

WELL INTEGRITY: good LOCK#: _____

REMARKS: microfuge

SIGNATURE: ND Page _____ of _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: Ma 3
 CLIENT NAME: Tierra Solutions SAMPLED BY: ND SAMPLE I.D.: Ma 3
 LOCATION: 575 Paseo Grande, San Lorenzo, Ca QA SAMPLES: -

DATE PURGED 6-6-03 START (2400hr) 1215 END (2400hr) 1222
 DATE SAMPLED 6-6-03 SAMPLE TIME (2400hr) 1235
 SAMPLE TYPE: Groundwater Surface Water Treatment Effluent Other

CASING DIAMETER: 2" 3" 4" 5" 6" 8" Other
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = 6.13 CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (mS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
<u>6-6-03</u>	<u>1216</u>	<u>0.5</u>	<u>21.36</u>	<u>2.109</u>	<u>6.87</u>	<u>7.8/0.62</u>	<u>-135.8</u>
	<u>1217</u>	<u>1</u>	<u>21.44</u>	<u>2.116</u>	<u>6.88</u>	<u>2.7/0.74</u>	<u>-142.6</u>
	<u>1218</u>	<u>1.5</u>	<u>21.56</u>	<u>2.122</u>	<u>6.88</u>	<u>2.0/0.18</u>	<u>-146.9</u>
	<u>1219</u>	<u>2</u>	<u>21.68</u>	<u>2.125</u>	<u>6.88</u>	<u>1.9/0.16</u>	<u>-149.3</u>
	<u>1220</u>	<u>2.5</u>	<u>21.78</u>	<u>2.124</u>	<u>6.89</u>	<u>1.7/0.15</u>	<u>-150.9</u>
	<u>1221</u>	<u>3</u>	<u>21.85</u>	<u>2.126</u>	<u>6.89</u>	<u>1.7/0.15</u>	<u>-151.1</u>
	<u>1222</u>	<u>3.5</u>	<u>21.87</u>	<u>2.129</u>	<u>6.89</u>	<u>1.7/0.15</u>	<u>-151.4</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: v. low
 80% RECHARGE: YES NO ANALYSES: TBHG, BTEX
 ODOR: TPH SAMPLE VESSEL / PRESERVATIVE: (3) VOA's w/ HCl

PURGING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (_____ PVC or _____ disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: _____
 REMARKS: micro purge

SIGNATURE: ND Page _____ of _____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: MW-4
 CLIENT NAME: Tierra Solutions SAMPLED BY: ND SAMPLE I.D.: MW-4
 LOCATION: 575 Paseo Grande, San Lorenzo, Ca QA SAMPLES: —

DATE PURGED 6.6-03 START (2400hr) 1300 END (2400hr) 1306
 DATE SAMPLED 6.6-03 SAMPLE TIME (2400hr) 1330
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = 5.66 CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (mS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
<u>6.6.03</u>	<u>1301</u>	<u>0.5</u>	<u>19.21</u>	<u>1.301</u>	<u>6.85</u>	<u>15.2/1.38</u>	<u>-95.2</u>
	<u>1302</u>	<u>1</u>	<u>19.18</u>	<u>1.295</u>	<u>6.83</u>	<u>5.2/10.49</u>	<u>-97.8</u>
	<u>1303</u>	<u>1.5</u>	<u>19.16</u>	<u>1.291</u>	<u>6.81</u>	<u>2.4/10.23</u>	<u>-102.1</u>
	<u>1304</u>	<u>2</u>	<u>19.15</u>	<u>1.286</u>	<u>6.80</u>	<u>1.8/10.17</u>	<u>-109.5</u>
	<u>1305</u>	<u>2.5</u>	<u>19.14</u>	<u>1.279</u>	<u>6.79</u>	<u>1.6/10.15</u>	<u>-106.0</u>
	<u>1306</u>	<u>3</u>	<u>19.15</u>	<u>1.279</u>	<u>6.78</u>	<u>1.4/10.13</u>	<u>-107.1</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: V. low
 80% RECHARGE: YES NO ANALYSES: TPH, BTEX
 ODOR: FPH SAMPLE VESSEL / PRESERVATIVE: (3) VOA5 w/ HCl

PURGING EQUIPMENT

____ Bladder Pump _____ Bailer (Teflon)
 ____ Centrifugal Pump _____ Bailer (PVC)
 ____ Submersible Pump _____ Bailer (Stainless Steel)
 Peristaltic Pump _____ Dedicated _____

Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump _____ Bailer (Teflon)
 ____ Centrifugal Pump _____ Bailer (____ PVC or ____ disposable)
 ____ Submersible Pump _____ Bailer (Stainless Steel)
 Peristaltic Pump _____ Dedicated _____

Other: _____

WELL INTEGRITY: good LOCK#: _____
 REMARKS: microbiol

SIGNATURE: ND Page ____ of ____

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: MW-5
 CLIENT NAME: Tierra Solutions SAMPLED BY: ND SAMPLE I.D.: MW-5
 LOCATION: 575 Paseo Grande, San Lorenzo, Ca QA SAMPLES: -

DATE PURGED 6-6-03 START (2400hr) 947 END (2400hr) 953
 DATE SAMPLED 6-6-03 SAMPLE TIME (2400hr) 1005
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = 5.75 CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = 3 L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (mS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
<u>6-6-03</u>	<u>948</u>	<u>0.5</u>	<u>19.56</u>	<u>1.002</u>	<u>7.40</u>	<u>22.7/0.87</u>	<u>231.4</u>
	<u>949</u>	<u>1</u>	<u>19.91</u>	<u>1.002</u>	<u>7.41</u>	<u>6.6/0.60</u>	<u>220.4</u>
	<u>950</u>	<u>1.5</u>	<u>19.82</u>	<u>1.001</u>	<u>7.40</u>	<u>3.6/0.32</u>	<u>228.3</u>
	<u>951</u>	<u>2</u>	<u>19.84</u>	<u>1.000</u>	<u>7.40</u>	<u>2.7/0.25</u>	<u>226.7</u>
	<u>952</u>	<u>2.5</u>	<u>19.84</u>	<u>1.000</u>	<u>7.41</u>	<u>2.9/0.22</u>	<u>225.3</u>
	<u>953</u>	<u>3</u>	<u>19.83</u>	<u>1.001</u>	<u>7.39</u>	<u>2.2/0.20</u>	<u>225.6</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.72 SAMPLE TURBIDITY: 4.100
 80% RECHARGE: YES NO ANALYSES: TPH, BTEX
 ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOAs w/ HCl

PURGING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (_____ PVC or _____ disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: _____

REMARKS: 11000 purge

SIGNATURE: TTD

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: 1700-6
 CLIENT NAME: Tierra Solutions SAMPLED BY: ND SAMPLE I.D.: 1700-6
 LOCATION: 575 Paseo Grande, San Lorenzo, Ca QA SAMPLES: -

DATE PURGED 6-6-03 START (2400hr) 922 END (2400hr) 928
 DATE SAMPLED 6-6-03 SAMPLE TIME (2400hr) 928-745
 SAMPLE TYPE: Groundwater Surface Water Treatment Effluent Other

CASING DIAMETER: 2" 3" 4" 5" 6" 8" Other
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = 6.08 CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (mS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
<u>6.6.03</u>	<u>923</u>	<u>0.5</u>	<u>18.96</u>	<u>1.085</u>	<u>7.07</u>	<u>6.1/1.37</u>	<u>248.8</u>
	<u>924</u>	<u>1</u>	<u>18.93</u>	<u>1.089</u>	<u>7.09</u>	<u>6.7/1.62</u>	<u>246.0</u>
	<u>925</u>	<u>1.5</u>	<u>18.92</u>	<u>1.090</u>	<u>7.10</u>	<u>5.5/1.51</u>	<u>244.9</u>
	<u>926</u>	<u>2</u>	<u>18.95</u>	<u>1.090</u>	<u>7.10</u>	<u>4.6/1.42</u>	<u>243.1</u>
	<u>927</u>	<u>2.5</u>	<u>18.95</u>	<u>1.089</u>	<u>7.10</u>	<u>4.2/1.38</u>	<u>240.8</u>
	<u>928</u>	<u>3</u>	<u>18.96</u>	<u>1.087</u>	<u>7.11</u>	<u>3.7/1.34</u>	<u>239.1</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: v. low
 80% RECHARGE: YES NO ANALYSES: TPH, BTEX
 ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOAs w/ HCl

PURGING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (_____ PVC or _____ disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated
 Other: _____

WELL INTEGRITY: good LOCK#: _____
 REMARKS: Micropurge

SIGNATURE: TJD Page ____ of ____

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 050T.50063.00 / 0003 PURGED BY: ND WELL ID.: Mw-7
 CLIENT NAME: Tierra Solutions SAMPLED BY: ND SAMPLE I.D.: Mw-7
 LOCATION: 575 Paseo Grande, San Lorenzo, Ca QA SAMPLES: -

DATE PURGED 6-6-03 START (2400hr) 857 END (2400hr) _____
 DATE SAMPLED 6-6-03 SAMPLE TIME (2400hr) 9:00
 SAMPLE TYPE: Groundwater _____ Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = 5.55 CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = 3.5L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (mS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
<u>6.6.03</u>	<u>858</u>	<u>0.5</u>	<u>17.10</u>	<u>1.029</u>	<u>7.29</u>	<u>12.6/1.09</u>	<u>275.8</u>
	<u>859</u>	<u>1</u>	<u>17.06</u>	<u>1.027</u>	<u>7.25</u>	<u>5.2/0.49</u>	<u>272.0</u>
	<u>900</u>	<u>1.5</u>	<u>17.07</u>	<u>1.026</u>	<u>7.26</u>	<u>3.7/0.35</u>	<u>268.5</u>
	<u>901</u>	<u>2</u>	<u>17.06</u>	<u>1.025</u>	<u>7.26</u>	<u>3.2/0.32</u>	<u>265.9</u>
	<u>902</u>	<u>2.5</u>	<u>17.07</u>	<u>1.025</u>	<u>7.26</u>	<u>2.8/0.27</u>	<u>263.0</u>
	<u>905</u>	<u>3</u>	<u>17.06</u>	<u>1.025</u>	<u>7.27</u>	<u>2.6/0.25</u>	<u>260.4</u>
	<u>909</u>	<u>3.5</u>	<u>17.07</u>	<u>1.025</u>	<u>7.27</u>	<u>2.5/0.24</u>	<u>258.1</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.75 SAMPLE TURBIDITY: v. low
 80% RECHARGE: YES NO ANALYSES: TPH, BTEX
 ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) UVAE and HCl

PURGING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (_____ PVC or _____ disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: _____
 REMARKS: micropurge

SIGNATURE: TID Page _____ of _____

APPENDIX B
Laboratory Analytical Reports
Second Quarter 2003
Groundwater Monitoring Report
575 Paseo Grande
San Lorenzo, California
SECOR Project No. 05OT.50063.00.0003
August 26, 2003

SECOR- Lafayette

June 13, 2003

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321

Attn.: Neil Doran

Project#: 050T.50063.00

Project: 575 Paseo Grande

Attached is our report for your samples received on 06/09/2003 17:46
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
07/24/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

SECOR- Lafayette

June 13, 2003

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321

Attn.: Neil Doran

Project#: 050T.50063.00

Project: 575 Paseo Grande

Case Narrative

General and Sample Comments

We (STL San Francisco) received 7 Water samples , on Monday, June 09, 2003
5:46 PM.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	06/06/2003 10:30	Water	1
MW-2	06/06/2003 11:50	Water	2
MW-3	06/06/2003 12:35	Water	3
MW-4	06/06/2003 13:30	Water	4
MW-5	06/06/2003 10:05	Water	5
MW-6	06/06/2003 09:45	Water	6
MW-7	06/06/2003 09:10	Water	7

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Prep(s): 5030
5030
Sample ID: MW-1
Sampled: 06/06/2003 10:30
Matrix: Water
Test(s): 8015M
8021B
Lab ID: 2003-06-0282 - 1
Extracted: 6/11/2003 10:44
QC Batch#: 2003/06/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/11/2003 10:44	
Benzene	ND	0.50	ug/L	1.00	06/11/2003 10:44	
Toluene	ND	0.50	ug/L	1.00	06/11/2003 10:44	
Ethyl benzene	ND	0.50	ug/L	1.00	06/11/2003 10:44	
Xylene(s)	ND	0.50	ug/L	1.00	06/11/2003 10:44	
Surrogates(s)						
Trifluorotoluene	105.9	58-124	%	1.00	06/11/2003 10:44	
4-Bromofluorobenzene-FID	93.7	50-150	%	1.00	06/11/2003 10:44	

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Prep(s): 5030
5030
Sample ID: MW-2
Sampled: 06/06/2003 11:50
Matrix: Water

Test(s): 8015M
8021B
Lab ID: 2003-06-0282 - 2
Extracted: 6/11/2003 11:17
QC Batch#: 2003/06/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1200	100	ug/L	2.00	06/11/2003 11:17	
Benzene	150	1.0	ug/L	2.00	06/11/2003 11:17	
Toluene	4.4	1.0	ug/L	2.00	06/11/2003 11:17	
Ethyl benzene	18	1.0	ug/L	2.00	06/11/2003 11:17	
Xylene(s)	18	1.0	ug/L	2.00	06/11/2003 11:17	
Surrogates(s)						
Trifluorotoluene	98.2	58-124	%	2.00	06/11/2003 11:17	
4-Bromofluorobenzene-FID	97.9	50-150	%	2.00	06/11/2003 11:17	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-3	Lab ID:	2003-06-0282 - 3
Sampled:	06/06/2003 12:35	Extracted:	6/11/2003 11:49
Matrix:	Water	QC Batch#:	2003/06/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3600	500	ug/L	10.00	06/11/2003 11:49	
Benzene	800	5.0	ug/L	10.00	06/11/2003 11:49	
Toluene	16	5.0	ug/L	10.00	06/11/2003 11:49	
Ethyl benzene	34	5.0	ug/L	10.00	06/11/2003 11:49	
Xylene(s)	23	5.0	ug/L	10.00	06/11/2003 11:49	
Surrogates(s)						
Trifluorotoluene	103.2	58-124	%	10.00	06/11/2003 11:49	
4-Bromofluorobenzene-FID	102.6	50-150	%	10.00	06/11/2003 11:49	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566
Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Prep(s): 5030	Test(s): 8015M
5030	8021B
Sample ID: MW-4	Lab ID: 2003-06-0282 - 4
Sampled: 06/06/2003 13:30	Extracted: 6/11/2003 12:21
Matrix: Water	QC Batch#: 2003/06/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4600	250	ug/L	5.00	06/11/2003 12:21	
Benzene	260	2.5	ug/L	5.00	06/11/2003 12:21	
Toluene	18	2.5	ug/L	5.00	06/11/2003 12:21	
Ethyl benzene	68	2.5	ug/L	5.00	06/11/2003 12:21	
Xylene(s)	57	2.5	ug/L	5.00	06/11/2003 12:21	
Surrogates(s)						
Trifluorotoluene	98.3	58-124	%	5.00	06/11/2003 12:21	
4-Bromofluorobenzene-FID	101.8	50-150	%	5.00	06/11/2003 12:21	

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Prep(s): 5030 Test(s): 8015M
5030 8021B
Sample ID: MW-5 Lab ID: 2003-06-0282 - 5
Sampled: 06/06/2003 10:05 Extracted: 6/11/2003 12:53
Matrix: Water QC Batch#: 2003/06/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/11/2003 12:53	
Benzene	ND	0.50	ug/L	1.00	06/11/2003 12:53	
Toluene	ND	0.50	ug/L	1.00	06/11/2003 12:53	
Ethyl benzene	ND	0.50	ug/L	1.00	06/11/2003 12:53	
Xylene(s)	ND	0.50	ug/L	1.00	06/11/2003 12:53	
Surrogates(s)						
Trifluorotoluene	106.9	58-124	%	1.00	06/11/2003 12:53	
4-Bromofluorobenzene-FID	94.2	50-150	%	1.00	06/11/2003 12:53	

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Prep(s): 5030
5030
Test(s): 8015M
8021B
Sample ID: MW-6
Lab ID: 2003-06-0282 - 6
Sampled: 06/06/2003 09:45
Extracted: 6/11/2003 13:25
Matrix: Water
QC Batch#: 2003/06/11-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/11/2003 13:25	
Benzene	ND	0.50	ug/L	1.00	06/11/2003 13:25	
Toluene	ND	0.50	ug/L	1.00	06/11/2003 13:25	
Ethyl benzene	ND	0.50	ug/L	1.00	06/11/2003 13:25	
Xylene(s)	ND	0.50	ug/L	1.00	06/11/2003 13:25	
Surrogates(s)						
Trifluorotoluene	104.5	58-124	%	1.00	06/11/2003 13:25	
4-Bromofluorobenzene-FID	93.6	50-150	%	1.00	06/11/2003 13:25	

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor

Lafayette, CA 94549-4321

Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00

575 Paseo Grande

Received: 06/09/2003 17:46

Prep(s): 5030 Test(s): 8015M
5030 8021B
Sample ID: MW-7 Lab ID: 2003-06-0282 - 7
Sampled: 06/06/2003 09:10 Extracted: 6/11/2003 13:42
Matrix: Water QC Batch#: 2003/06/11-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/11/2003 13:42	
Benzene	ND	0.50	ug/L	1.00	06/11/2003 13:42	
Toluene	ND	0.50	ug/L	1.00	06/11/2003 13:42	
Ethyl benzene	ND	0.50	ug/L	1.00	06/11/2003 13:42	
Xylene(s)	ND	0.50	ug/L	1.00	06/11/2003 13:42	
Surrogates(s)						
4-Bromofluorobenzene	94.4	50-150	%	1.00	06/11/2003 13:42	
4-Bromofluorobenzene-FID	90.4	50-150	%	1.00	06/11/2003 13:42	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Batch QC Report

Prep(s): 5030

Method Blank

MB: 2003/06/11-01.04-007

Water

Test(s): 8015M

QC Batch # 2003/06/11-01.04

Date Extracted: 06/11/2003 09:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/11/2003 09:25	
Benzene	ND	0.5	ug/L	06/11/2003 09:25	
Toluene	ND	0.5	ug/L	06/11/2003 09:25	
Ethyl benzene	ND	0.5	ug/L	06/11/2003 09:25	
Xylene(s)	ND	0.5	ug/L	06/11/2003 09:25	
Surrogates(s)					
Trifluorotoluene	120.6	58-124	%	06/11/2003 09:25	
4-Bromofluorobenzene-FID	90.7	50-150	%	06/11/2003 09:25	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Batch QC Report

Prep(s): 5030

Method Blank

MB: 2003/06/11-01.05-003

Water

Test(s): 8015M

QC Batch # 2003/06/11-01.05

Date Extracted: 06/11/2003 07:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	06/11/2003 07:53	
Benzene	ND	0.5	ug/L	06/11/2003 07:53	
Toluene	ND	0.5	ug/L	06/11/2003 07:53	
Ethyl benzene	ND	0.5	ug/L	06/11/2003 07:53	
Xylene(s)	ND	0.5	ug/L	06/11/2003 07:53	
Surrogates(s)					
Trifluorotoluene	100.6	58-124	%	06/11/2003 07:53	
4-Bromofluorobenzene-FID	96.6	50-150	%	06/11/2003 07:53	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2003/06/11-01.04

LCS 2003/06/11-01.04-002

Extracted: 06/11/2003

Analyzed: 06/11/2003 07:23

LCSD 2003/06/11-01.04-003

Extracted: 06/11/2003

Analyzed: 06/11/2003 07:47

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	510	477	500	102.0	95.4	6.7	75-125	20		
Surrogates(s) 4-Bromofluorobenzene-FID	474	460	500	94.8	92.0		50-150			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2003/06/11-01.04

LCS 2003/06/11-01.04-005

Extracted: 06/11/2003

Analyzed: 06/11/2003 08:36

LCSD 2003/06/11-01.04-006

Extracted: 06/11/2003

Analyzed: 06/11/2003 09:00

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	96.2	95.3	100.0	96.2	95.3	0.9	77-123	20		
Toluene	98.5	96.6	100.0	98.5	96.6	1.9	78-122	20		
Ethyl benzene	98.3	96.2	100.0	98.3	96.2	2.2	70-130	20		
Xylene(s)	277	271	300	92.3	90.3	2.2	75-125	20		
Surrogates(s)										
Trifluorotoluene	531	528	500	106.2	105.6		58-124			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Water

QC Batch # 2003/06/11-01.05

LCS 2003/06/11-01.05-004

Extracted: 06/11/2003

Analyzed: 06/11/2003 08:25

LCSD 2003/06/11-01.05-005

Extracted: 06/11/2003

Analyzed: 06/11/2003 08:57

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	93.6	97.9	100.0	93.6	97.9	4.5	77-123	20		
Toluene	92.2	96.6	100.0	92.2	96.6	4.7	78-122	20		
Ethyl benzene	92.1	96.2	100.0	92.1	96.2	4.4	70-130	20		
Xylene(s)	277	288	300	92.3	96.0	3.9	75-125	20		
Surrogates(s)										
Trifluorotoluene	478	507	500	95.6	101.4		58-124			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

Gas/BTEX by 8015M/8021

SECOR- Lafayette

Attn.: Neil Doran

57 Lafayette Circle, 2nd Floor
Lafayette, CA 94549-4321
Phone: (925) 299-9300 Fax: (925) 299-9302

Project: 050T.50063.00
575 Paseo Grande

Received: 06/09/2003 17:46

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2003/06/11-01.05

LCS 2003/06/11-01.05-006

Extracted: 06/11/2003

Analyzed: 06/11/2003 09:29

LCSD 2003/06/11-01.05-007

Extracted: 06/11/2003

Analyzed: 06/11/2003 10:02

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	497	470	500	99.4	94.0	5.6	75-125	20		
Surrogates(s) 4-Bromofluorobenzene-FID	514	492	500	102.8	98.4		50-150			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

06/11/2003 16:03

2003-06-0282

Chain-of Custody Number: 74953

SECOR Chain-of Custody Record

Field Office: 5- San Francisco
 Address: 57 Lafayette Circle
Lafayette, CA 94549

Additional documents are attached, and are a part of this Record.
 Job Name: 575 Paseo Grande
 Location: San Lorenzo, CA

Project # 050T 50063.00 Task # 0003
 Project Manager Neil Doran
 Laboratory STL - San Francisco
 Turnaround Time Standard

Sampler's Name Neil Doran
 Sampler's Signature Neil Doran

				Analysis Request													
Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G 8875 (modified)/8020	TPHd/WTPH-D 8015 (modified)	TPH 418.1/WTPH 418.1	Aromatic Volatiles 602/8020	Volatile Organics 624/8240 (GC/MS)	Halogenated Volatiles 601/8010	Semi-volatile Organics 625/8270 (GC/MS)	Pesticides/PCBs 608/8080	Total Lead 7421	Priority Pollutant Metals (13)	TCLP Metals	Comments/ Instructions	Number of Containers
MW-1	6-6-03	1030	H2O		X												W
MW-2		1150			X												W
MW-3		1235			X												W
MW-4		1330			X												W
MW-5		1005			X												W
MW-6		945			X												W
MW-7		910			X												W

Special Instructions/Comments:
4.2L

Relinquished by:
 Sign Neil Doran
 Print Neil Doran
 Company SECOR
 Time _____ Date 6.9.03

Relinquished by:
 Sign B. Mounak
 Print B. Mounak
 Company STL-SF
 Time 1746 Date 6/9/03

Received by:
 Sign [Signature]
 Print [Signature]
 Company STL-SF
 Time 1135 Date 6/9/03

Received by:
 Sign Nounak
 Print Nounak
 Company STL-SF
 Time 1746 Date 6/9/03

Sample Receipt

Total no. of containers: _____
 Chain of custody seals: _____
 Rec'd in good condition/cold: _____
 Conforms to record: _____

Client: _____
 Client Contact: _____
 Client Phone: _____

STL San Francisco

Sample Receipt Checklist

Submission #: 2003- 06 - 0282

Checklist completed by: (initials) CR Date: 06 / 10 /03

Courier name: STL San Francisco Client _____

Custody seals intact on shipping container/samples

Yes ___ No ___ Not Present

Chain of custody present?

Yes No ___

Chain of custody signed when relinquished and received?

Yes No ___

Chain of custody agrees with sample labels?

Yes No ___

Samples in proper container/bottle?

Yes No ___

Sample containers intact?

Yes No ___

Sufficient sample volume for indicated test?

Yes No ___

All samples received within holding time?

Yes No ___

Container/Temp Blank temperature in compliance ($4^{\circ}C \pm 2$)?

Temp 4.2 $^{\circ}C$ Yes No ___

Water - VOA vials have zero headspace?

No VOA vials submitted ___ Yes No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt? Yes No

pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/03

Client contacted: Yes No

Summary of discussion:

Corrective Action (per PM/Client):