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FIRST QUARTER 2003
GROUNDWATER MONITORING REPORT

6/13/03

575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SECOR Project No. 05OT.50063.00

Prepared For:

David D. Bohannon Organization
Sixty 31st Avenue
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Prepared by:

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June 13, 2003

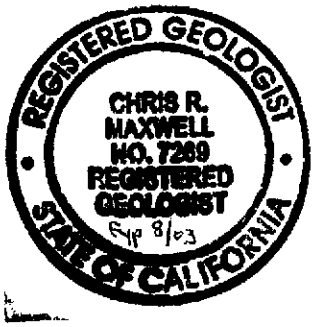
First Quarter 2003 Groundwater Monitoring Report

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

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DAVID D. BOHANNON
ORGANIZATION

June 16, 2003

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

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

Dear Ms. Chu:

Enclosed for your review is the *First Quarter 2003 Groundwater Monitoring Report* prepared by SECOR International Incorporated (SECOR). The report summarizes recent routine groundwater monitoring and sampling conducted by SECOR at 575 Paseo Grande in San Lorenzo, California.

We appreciate your timely review of this document. If you have any questions, please contact me at (650) 358-3256.

Sincerely,

Mike Jepsen
Director of Construction
David D. Bohannon Organization

Enclosure

SIXTY 31ST AVENUE • SAN MATEO, CA 94403-3497 • 650.345.8222 • FAX 650.573.5457

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 March 4, 2003, for the property located at 575 Paseo Grande, San Lorenzo, California (Site). 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 December 2002.

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 nondetect 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 zones; 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, in sand from 16 to 19 feet bgs, and in silty sand at 22.5 feet bgs; 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 recommend 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.

2.0 GROUNDWATER MONITORING

Groundwater monitoring wells MW-1 through MW-7 were gauged for depth-to-water and sampled on March 4, 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 MARCH 2003 GROUNDWATER ELEVATION RESULTS

The average depth-to-water measurement taken at the Site on March 4, 2003, was 5.57 feet below the top of the well casing, with an average water-table elevation of 20.62 feet above mean sea level. Groundwater elevations increased an average of 1.13 feet since the previous monitoring event in December 2002.

A potentiometric surface map illustrating the interpreted groundwater surface elevation and flow direction on March 4, 2003, is presented as Figure 3. The hydraulic gradient across the Site was approximately 0.003 feet per foot toward the 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 MARCH 2003 GROUNDWATER ANALYTICAL RESULTS

Table 2 presents historical groundwater laboratory analytical results for the Site, including the March 2003 sampling event. Petroleum hydrocarbon chemical data for the March 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.

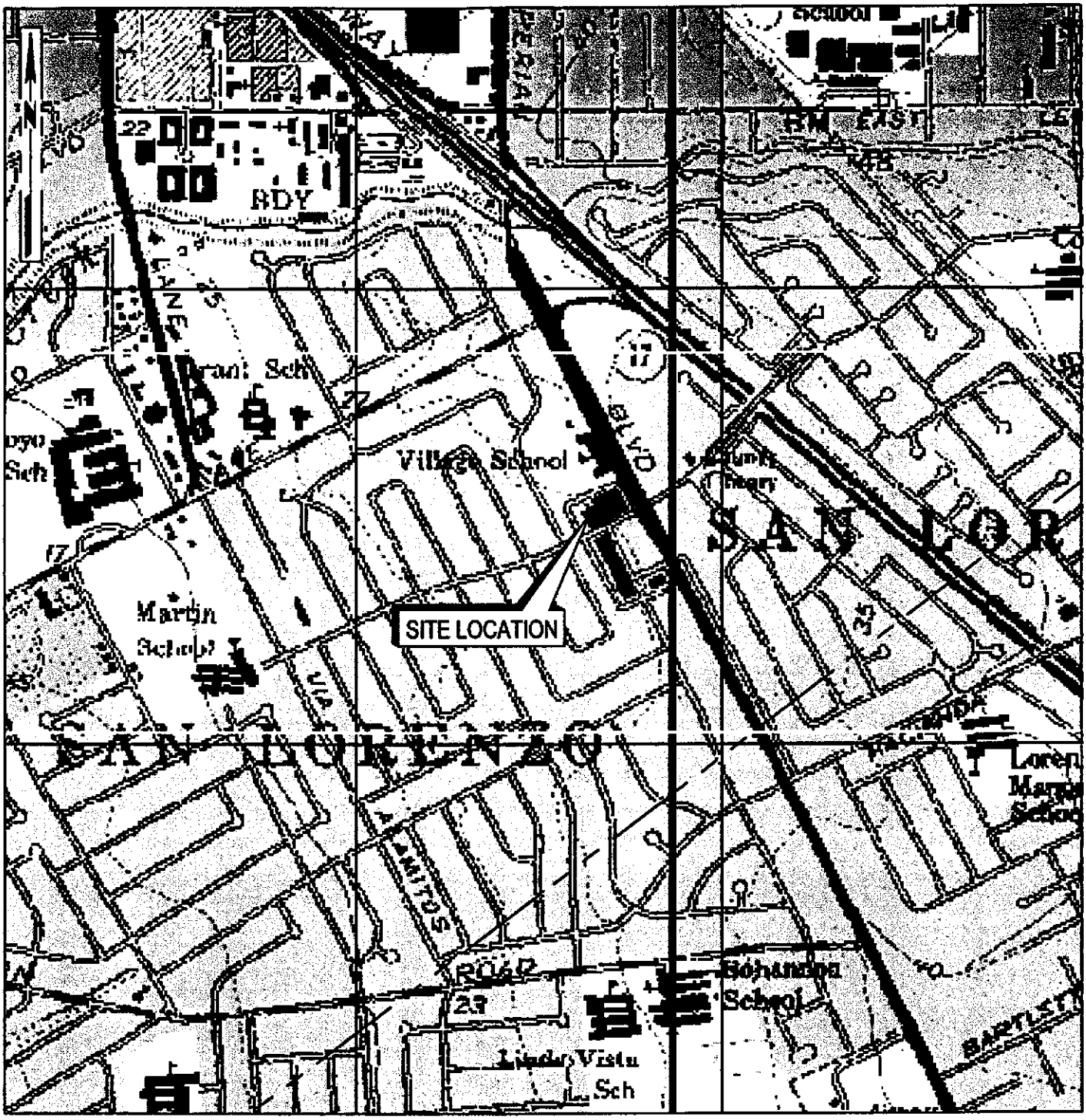
Copies of the laboratory analytical reports for groundwater samples are attached as Appendix B. The following provides a brief discussion of the analytical results:

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 March 2003 event, benzene concentrations ranged from 130 micrograms per liter (µg/L) in MW-2 to 650 µg/L in MW-3. Reported BTEX concentrations for the March 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 March 2003 event, TPH/g concentrations ranged from 1,100 µg/L in MW-2 to 5,000 µg/L in MW-3. Reported TPH/g concentrations are generally consistent with historical results.



REFERENCE:

DeLORME 3-D TOPOQUADS

0 1000 2000

APPROXIMATE SCALE FEET

SECOR

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

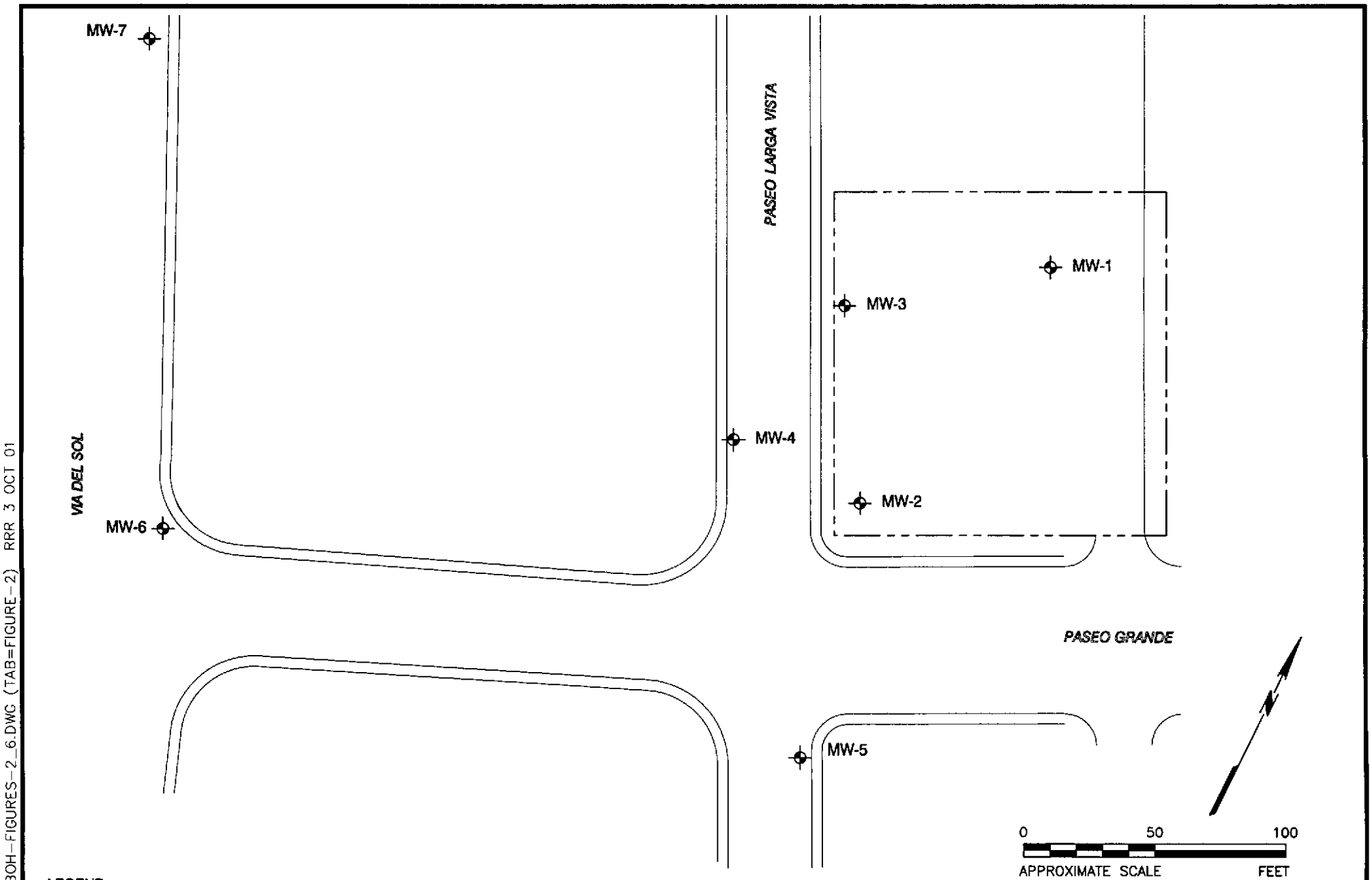
FIGURE 1

DAVID D. BOHANNON ORGANIZATION

575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

20030416.13584711 E:\BOH\2003 work plan\BOH-SITE LOCATION MAP-FIGURE 1-JAN_2003.dwg



LEGEND

MW-6 EXISTING WELL LOCATION

APPROXIMATE PROPERTY LINE

SECOR

DRAWN	RRR
APPR	ND
DATE	11 MAY 2002
JOB NO.	050T.50026.00.0005

FIGURE 2

BOHANNON DEVELOPMENT COMPANY

575 PASEO GRANDE

SAN LORENZO, CALIFORNIA

SITE PLAN

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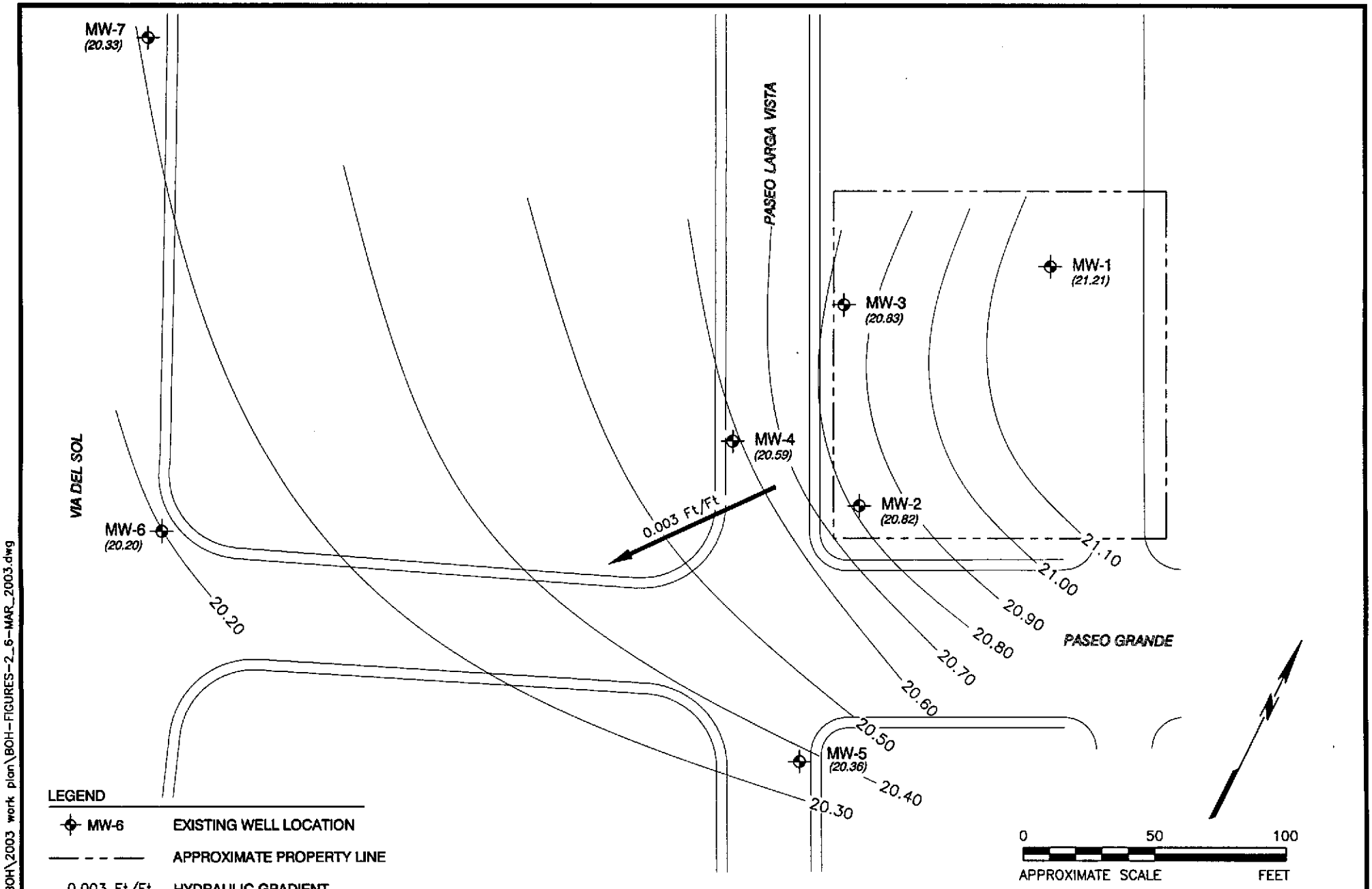

SECOR

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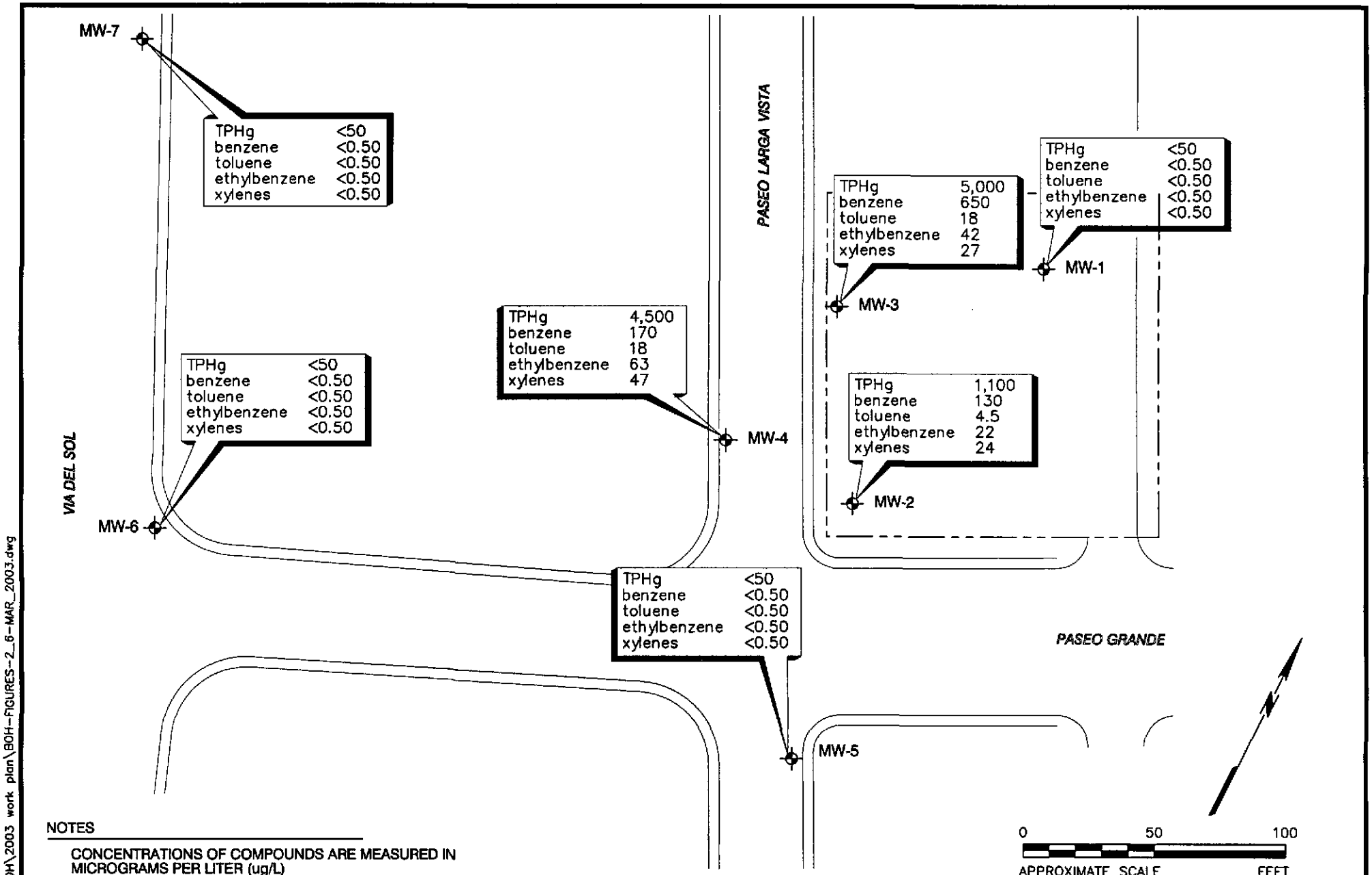
DATE	14 APRIL 2003
JOB NO.	050T.50063.00.0003

FIGURE 3

BOHANNON DEVELOPMENT COMPANY
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

POTENTIOMETRIC SURFACE MAP
MARCH 4, 2003

20030416.1401547 E:\BOH\2003 work plan\BOH-FIGURES-2_6-MAR_2003.dwg



NOTES

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

LEGEND

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

SECOR

DRAWN	RRR
APPR	ND
DATE	14 APRIL 2003
JOB NO.	050T.50063.00.0003

FIGURE 4

BOHANNON DEVELOPMENT COMPANY
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

CHEMICAL CONCENTRATIONS IN GROUNDWATER MARCH 4, 2003

20030414.0830481 E:\BOH\2003 work plan\BOH-FIGURES-2_6-MAR_2003.dwg

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

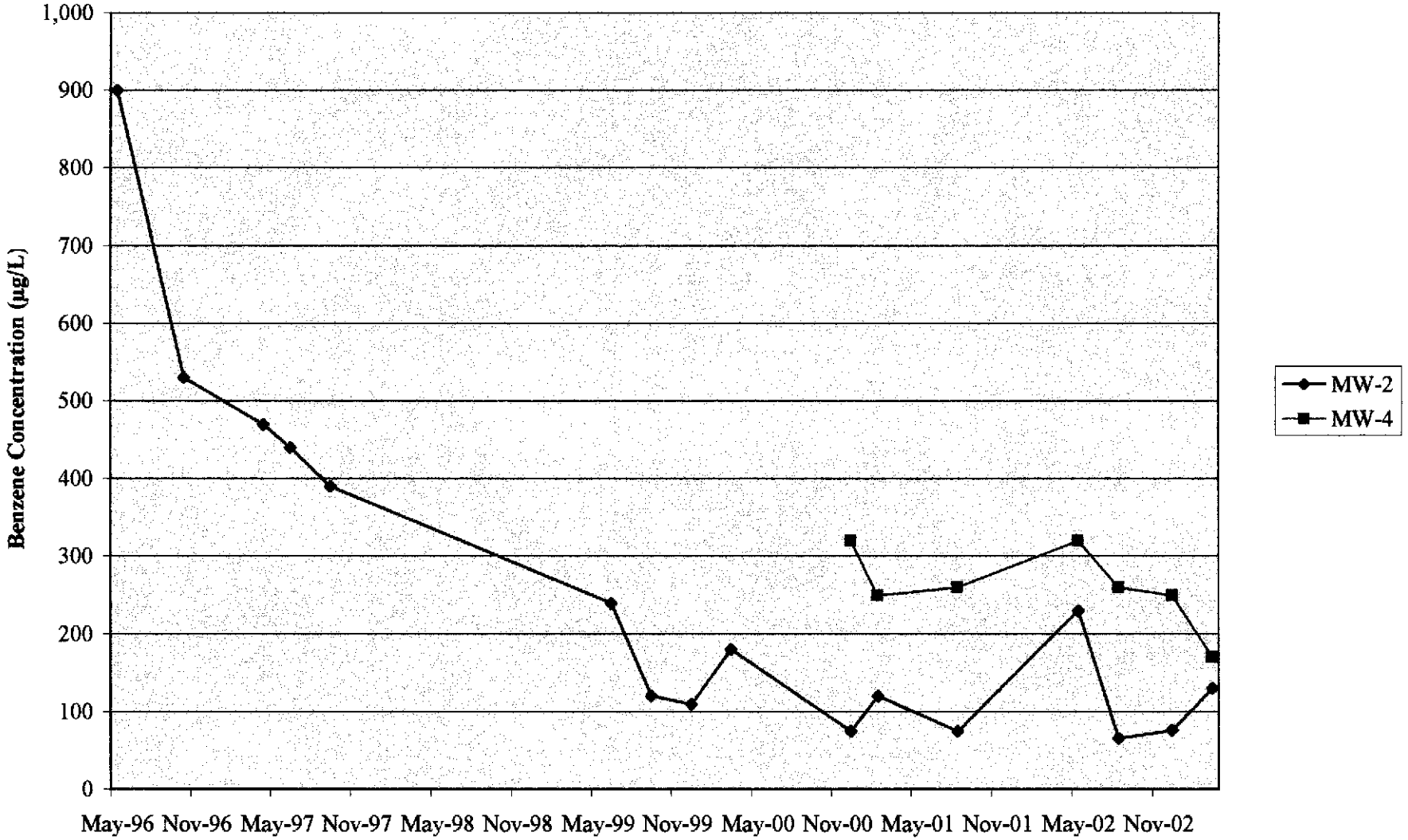


Figure 6 - Historical Concentrations of Benzene at MW-3

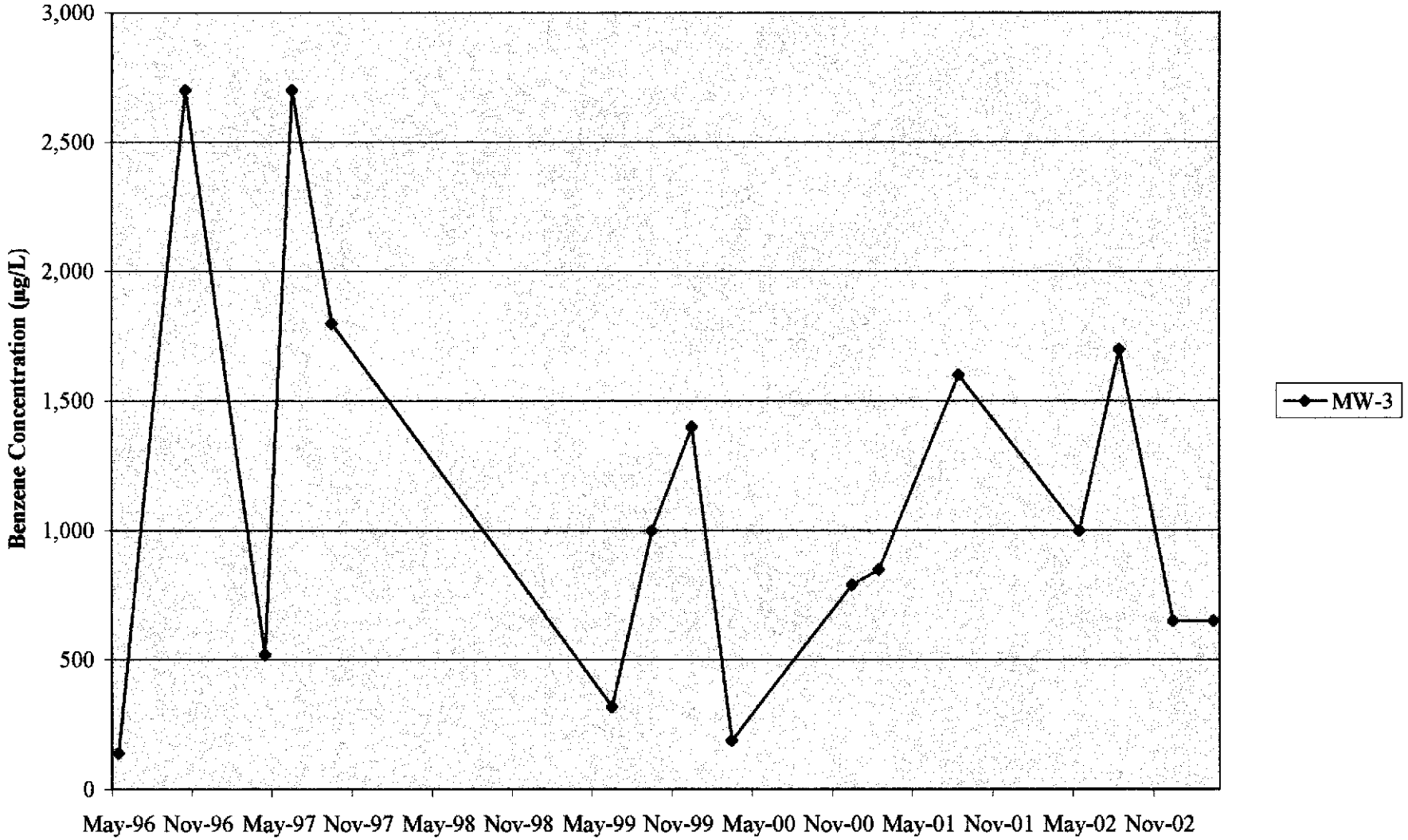


Figure 7 - Historical Concentrations of TPHg at MW-2 and MW-4

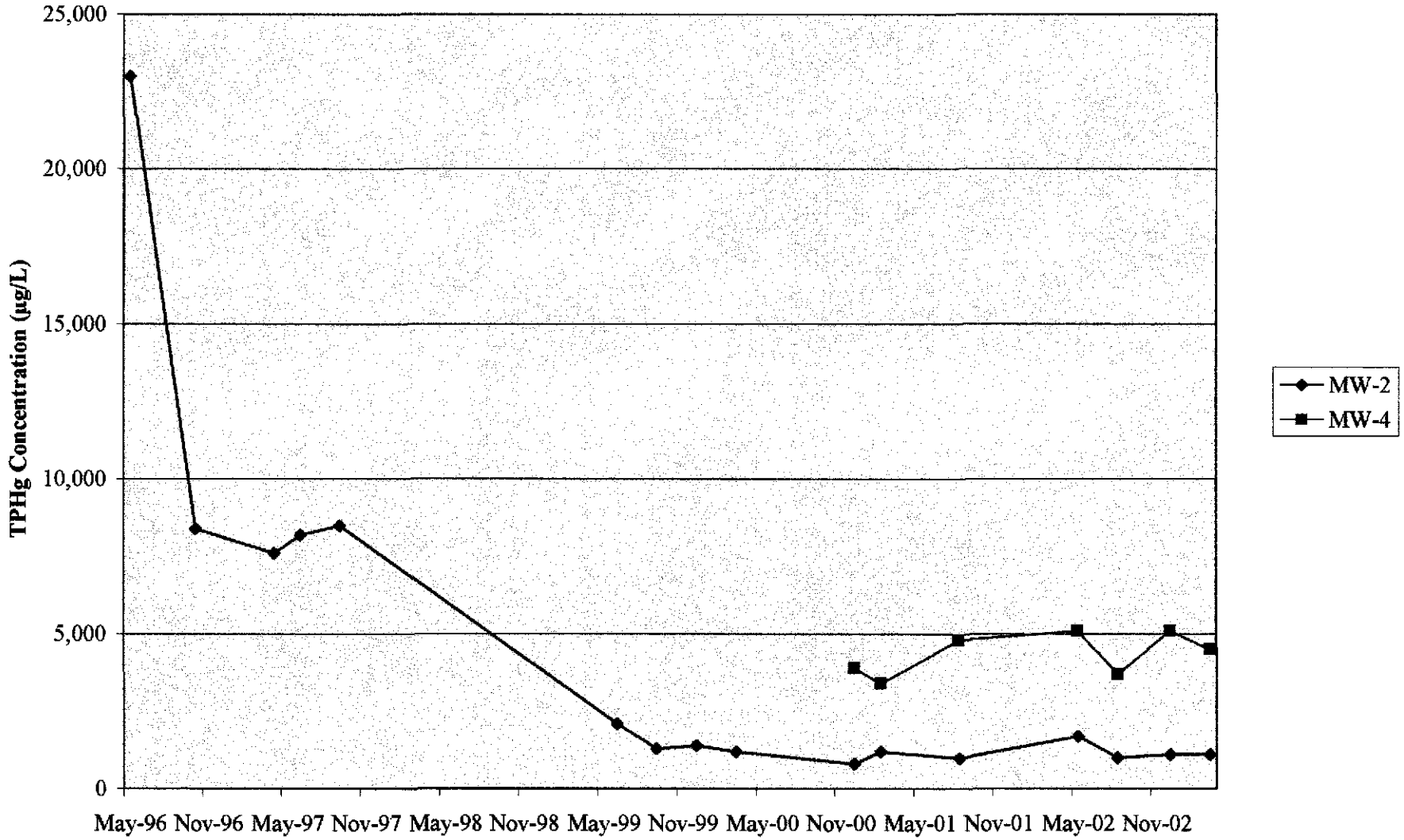


Figure 8 - Historical Concentrations of TPHg at MW-3

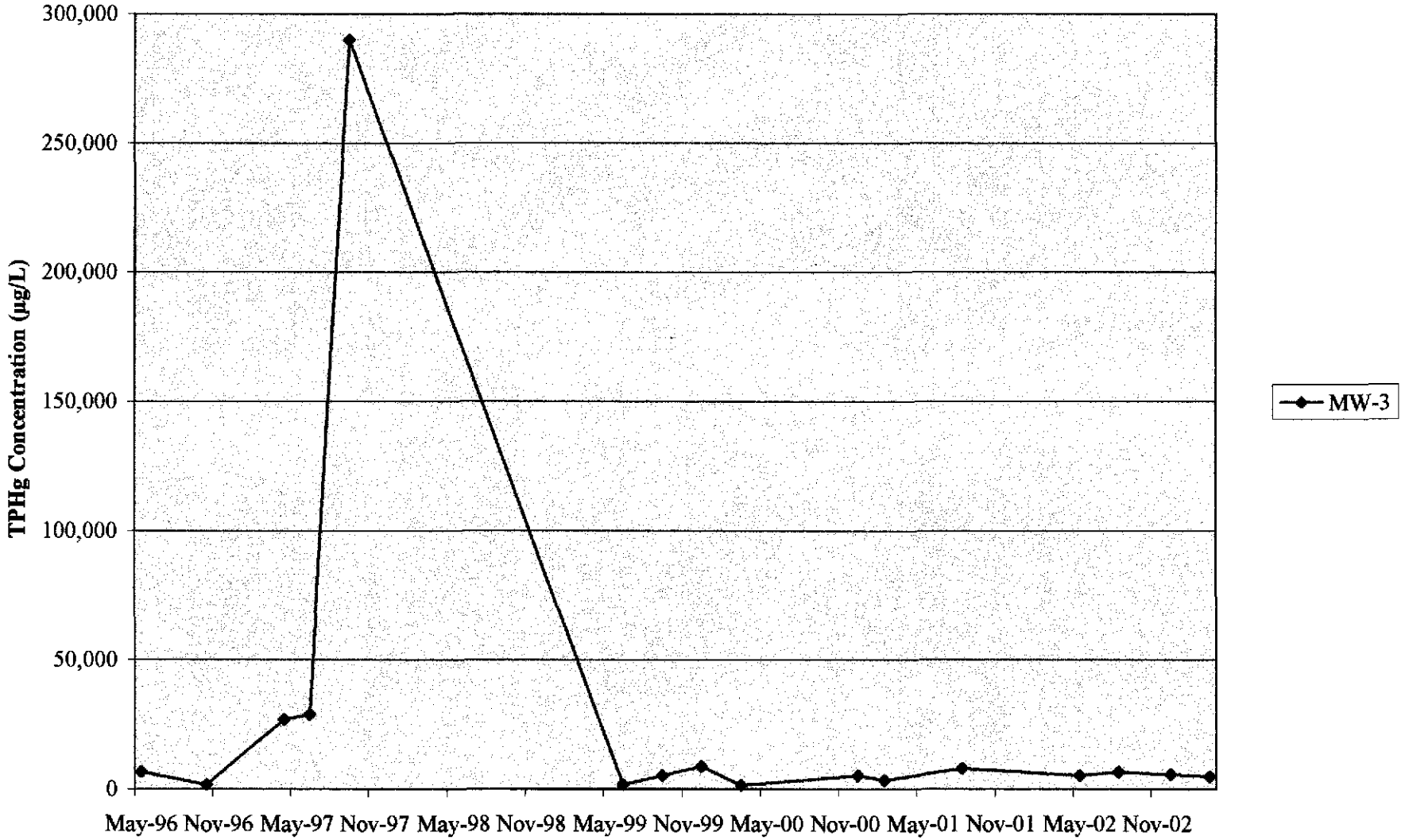


Table 1
Historical Groundwater Elevation Data
575 Paseo Grande
San Lorenzo, California

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
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
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

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
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
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
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

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
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
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

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-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
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
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
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

Notes:
TPHg = Total petroleum hydrocarbons quantified as gasoline
µg/L = Micrograms per liter
ND = Below laboratory detection limits (detection limit indicated in parentheses)
[r] 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

First Quarter 2003

Groundwater Monitoring Report

575 Paseo Grande

San Lorenzo, California

SECOR Project No. 05OT.50063.00.0003

June 13, 2003

SECOR International Incorporated

HYDROLOGIC DATA SHEET

Gauge Date: *March 4, 2002*

Project Name: *575 Paseo Grande*

Field Technician: *Neil Doran*

Project Number: *05OT.50063.00 / 0003*

TOC = Top of Well Casing Elevation
DTP = Depth to Free Product (FP or NAPH) Below TOC
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC

DIA = Well Casing Diameter
ELEV = Groundwater Elevation
DUP = Duplicate

WELL OR LOCATION	TIME	MEASUREMENT						PURGE & SAMPLE	SHEEN CONFIRMATION (w/bailer)	COMMENTS
		TOC	DTP	DTW	DTB	DIA	ELEV			
MW-1				5.77				X		
MW-2				5.91				X		
MW-3				5.72				X		
MW-4				5.28				X		
MW-5				5.41				X		
MW-6				4.69				X		
MW-7				5.10				X		

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: MW-1

CLIENT NAME: Bohannon SAMPLED BY: ND SAMPLE I.D.: MW-1

LOCATION: 575 Paseo Grande, San Lorenzo, CA QA SAMPLES: —

DATE PURGED 3.4.03 START (2400hr) 1100 END (2400hr) 1115

DATE SAMPLED 3.4.03 SAMPLE TIME (2400hr) 1130

SAMPLE TYPE: Groundwater ✓ Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" X (0.17) 3" ____ (0.38) 4" ____ (0.67) 5" ____ (1.02) 6" ____ (1.50) 8" ____ (2.60) Other ____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = ____ CASING VOLUME (gal) = ____

DEPTH TO WATER (feet) = 5.77 CALCULATED PURGE (gal) = ____

WATER COLUMN HEIGHT (feet) = ____ ACTUAL PURGE (gal) = 4.5 L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (uS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
3.4.03	1110	0.750	19.49	1280	6.97	19.7/1.76	180.6
	1111	1.50	19.69	1290	7.01	4.4/0.40	177.2
	1112	2.25	19.79	1295	7.03	3.3/0.30	176.0
	1113	3.00	20.05	1307	7.04	2.7/0.24	174.3
	1114	3.75	20.24	1313	7.05	2.4/0.22	172.1
	1115	4.50	20.28	1312	7.05	2.3/0.20	170.7

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.85 SAMPLE TURBIDITY: V. Low

80% RECHARGE: ✓ YES ___ NO ANALYSES: TPHg, BTEX

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) 40-mL VOAs with HCL

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
✓ Peristalic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
✓ Dedicated Tubing

Other: ____

Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
✓ Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
✓ Dedicated Tubing

Other: ____

WELL INTEGRITY: good LOCK#: ____

REMARKS: ____

SIGNATURE: Neil Dern

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 | PURGED BY: ND | WELL I.D.: MW-2

CLIENT NAME: Bohannon | SAMPLED BY: ND | SAMPLE I.D.: MW-2

LOCATION: 575 Paseo Grande, San Lorenzo, CA | QA SAMPLES: —

DATE PURGED 3.4.03 | START (2400hr) 1200 | END (2400hr) _____

DATE SAMPLED 3-4-03 | SAMPLE TIME (2400hr) 1230

SAMPLE TYPE: Groundwater ____ Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" X (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = _____ | CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = 5.91 | CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ | ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (uS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
3.4.03	~~1210~~ 1210	0.75	19.67	1506	6.90	41.1/3.51	-96.8
	1211	1.50	19.87	1526	6.87	6.2/0.5	-108.8
	1212	2.25	20.03	1535	6.85	2.7/0.24	-117.1
	1213	3.00	20.09	1538	6.86	1.9/0.17	-120.6
	1214	3.75	20.15	1538	6.86	1.7/0.15	-122.9
	1215	4.50	20.37	1536	6.86	1.5/0.14	-123.8

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 6.25 | SAMPLE TURBIDITY: v. low

80% RECHARGE: ✓ YES ___ NO | ANALYSES: TPHg, BTEX

ODOR: TPH | SAMPLE VESSEL / PRESERVATIVE: (3) 40-mL VOAs with HCL

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
✓ Submersible Pump
___ Peristalic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
✓ Dedicated tubing

Other: _____

Pump Depth: _____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
✓ Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
✓ Dedicated tubing

Other: _____

WELL INTEGRITY: good | LOCK#: _____

REMARKS: _____

SIGNATURE: Neil Doan

Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: MW-3

CLIENT NAME: Bohannon SAMPLED BY: ND SAMPLE I.D.: MW-3

LOCATION: 575 Paseo Grande, San Lorenzo, CA QA SAMPLES: —

DATE PURGED 3-4-03 START (2400hr) 1300 END (2400hr) _____

DATE SAMPLED 3-4-03 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)	X (0.17)	(0.38)	(0.67)	(1.02)	(1.50)	(2.60)	( )

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = 5.72 CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (uS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
3-4-03	1310	0.750	19.12	1721	6.84	41.4/3.78	-131.9
	1311	1.50	19.44	1741	6.87	8.9/0.81	-136.1
	1312	2.25	19.55	1751	6.87	4.8/0.44	-138.9
	1313	3.00	19.59	1758	6.87	3.9/0.35	-140.7
	1314	3.75	19.62	1764	6.87	3.4/0.31	-141.8
	1315	4.50	19.65	1766	6.87	3.2/0.29	-142.1

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: v. low

80% RECHARGE: ✓ YES ___ NO ANALYSES: TPHg, BTEX

ODOR: TPH SAMPLE VESSEL / PRESERVATIVE: (3) 40-mL VOAs with HCL

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Bladder Pump	___ Bailer (Teflon)	___ Bladder Pump	___ Bailer (Teflon)
___ Centrifugal Pump	___ Bailer (PVC)	___ Centrifugal Pump	___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
✓ Peristaltic Pump	✓ Dedicated tubing	___ Peristaltic Pump	___ Dedicated tubing
Other: _____		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: good LOCK#: _____

REMARKS: _____

SIGNATURE: _____ 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: Bohannon | SAMPLED BY: ND | SAMPLE I.D.: MW-4

LOCATION: 575 Paseo Grande, San Lorenzo, CA | QA SAMPLES: —

DATE PURGED: 3.4.03 | START (2400hr): 1400 | END (2400hr): ____

DATE SAMPLED: 3.4.03 | SAMPLE TIME (2400hr): 1430

SAMPLE TYPE: Groundwater ✓ | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" X (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = ____ | CASING VOLUME (gal) = ____

DEPTH TO WATER (feet) = 5.28 | CALCULATED PURGE (gal) = ____

WATER COLUMN HEIGHT (feet) = ____ | ACTUAL PURGE (gal) = ____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (uS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
3.4.03	1415	0.750	17.81	1078	6.84	44.6/4.19	-96.1
	1416	1.50	18.15	1052	6.80	9.3/0.86	-101.0
	1417	2.25	18.33	1049	6.79	2.8/0.26	-104.8
	1418	3.00	18.40	1048	6.78	2.1/0.20	-105.7
	1419	3.75	18.46	1048	6.77	2.0/0.18	-107.1
	1420	4.50	18.51	1050	6.78	1.6/0.15	-107.3

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.53 | SAMPLE TURBIDITY: v. low

80% RECHARGE: ✓ YES ___ NO | ANALYSES: TPHg, BTEX

ODOR: TPH | SAMPLE VESSEL / PRESERVATIVE: (3) 40-mL VOAs with HCL

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
✓ Peristalic Pump
___ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
✓ Dedicated tubing

Other: ____

Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
✓ Peristalic Pump
___ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
✓ Dedicated tubing

Other: ____

WELL INTEGRITY: good | LOCK#: ____

REMARKS: ____

SIGNATURE: Neil Doran

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: MW-5

CLIENT NAME: Bohannon SAMPLED BY: ND SAMPLE I.D.: MW-5

LOCATION: 575 Paseo Grande, San Lorenzo, CA QA SAMPLES: —

DATE PURGED 3.4.03 START (2400hr) 1000 END (2400hr) _____

DATE SAMPLED 3.4.03 SAMPLE TIME (2400hr) 1030

SAMPLE TYPE: Groundwater ____ Surface Water ____ Treatment Effluent ____ Other ____

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

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = 5.41 CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (uS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
3.4.03	1035	0.750	18.36	875	7.56	38.6/3.59	210.3
	1036	1.50	18.59	885	7.55	13.1/1.21	209.4
	1037	2.25	18.78	888	7.55	8.6/0.80	207.1
	1038	3.0	18.99	893	7.53	6.5/0.60	209.3
	1039	3.75	19.12	897	7.53	5.5/0.51	206.4
	1040	4.50	19.24	900	7.54	5.1/0.47	203.1
	1041	5.25	19.18	899	7.39	4.7/0.44	200.1

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.55 SAMPLE TURBIDITY: V. low

80% RECHARGE: ✓YES ___NO ANALYSES: TPHg, BTEX

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) 40-mL VOAs with HCL

PURGING EQUIPMENT

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

SAMPLING EQUIPMENT

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

WELL INTEGRITY: Good LOCK#: _____

REMARKS: _____

SIGNATURE: Neil Dam Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: MW-6

CLIENT NAME: Bohannon SAMPLED BY: ND SAMPLE I.D.: MW-6

LOCATION: 575 Paseo Grande, San Lorenzo, CA QA SAMPLES: -

DATE PURGED 3.4.03 START (2400hr) 930 END (2400hr) _____

DATE SAMPLED 3.4.03 SAMPLE TIME (2400hr) _____

SAMPLE TYPE: Groundwater ____ Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" X 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) = ~~4.6~~ CASING VOLUME (gal) = _____

DEPTH TO WATER (feet) = 4.69 CALCULATED PURGE (gal) = _____

WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (uS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
3.4.03	935	0.750	16.67	837	7.15	39.6/3.67	221.3
	936	1.50	17.18	853	7.11	11.1/1.06	219.5
	937	2.25	17.34	860	7.11	8.7/0.83	218.5
	938	3.0	17.48	865	7.10	8.0/0.76	218.4
	939	3.75	17.61	869	7.11	7.1/0.67	218.0
	940	4.50	17.69	870	7.10	6.5/0.62	217.7
	941	5.25	17.66	872	7.10	6.2/0.59	217.2

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 4.71 SAMPLE TURBIDITY: V. low

80% RECHARGE: ✓ YES ___ NO ANALYSES: TPHg, BTEX

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) 40-mL VOAs with HCL

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Bladder Pump	___ Bailer (Teflon)	___ Bladder Pump	___ Bailer (Teflon)
___ Centrifugal Pump	___ Bailer (PVC)	___ Centrifugal Pump	___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
Y Peristaltic Pump	X Dedicated tubing	X Peristaltic Pump	Y Dedicated tubing
Other:		Other:	
Pump Depth:			

WELL INTEGRITY: good LOCK#: _____

REMARKS: _____

SIGNATURE: Neil Dam Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 05OT.50063.00 / 0003 PURGED BY: ND WELL I.D.: MW-7

CLIENT NAME: Bohannon SAMPLED BY: ND SAMPLE I.D.: MW-7

LOCATION: 575 Paseo Grande, San Lorenzo, CA QA SAMPLES: —

DATE PURGED 3.4.03 START (2400hr) 830 END (2400hr) 845

DATE SAMPLED 3.4.03 SAMPLE TIME (2400hr) 900

SAMPLE TYPE: Groundwater ____ Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" X (0.17) 3" ____ (0.38) 4" ____ (0.67) 5" ____ (1.02) 6" ____ (1.50) 8" ____ (2.60) Other ____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = ____ CASING VOLUME (gal) = ____

DEPTH TO WATER (feet) = 5.10 CALCULATED PURGE (gal) = ____

WATER COLUMN HEIGHT (feet) = ____ ACTUAL PURGE (gal) = 5.25 L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (L)	TEMP. (degrees C)	CONDUCTIVITY (uS/cm)	pH (units)	Dis. Oxy. (% / PPM)	ORP (mV)
3.4.03	835	.750	14.81	834	7.22	30.5/2.99	240.8
	836	1.5	15.25	851	7.24	11.9/1.12	237.4
	837	2.25	16.12	868	7.25	6.6/0.64	236.0
	838	3.0	16.17	872	7.25	5.3/0.52	234.9
	839	3.75	16.47	875	7.25	4.6/0.44	234.2
	840	4.50	16.50	877	7.26	4.2/0.41	233.1
	841	5.25	16.55	877	7.25	3.7/0.36	232.1

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.20 SAMPLE TURBIDITY: v. low

80% RECHARGE: ✓ YES ___ NO ANALYSES: TPHg, BTEX

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) 40-mL VOAs with HCL

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Bladder Pump	___ Bailer (Teflon)	___ Bladder Pump	___ Bailer (Teflon)
___ Centrifugal Pump	___ Bailer (PVC)	___ Centrifugal Pump	___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
X Peristaltic Pump	Y Dedicated tubing	X Peristaltic Pump	___ Dedicated tubing
Other: ____		Other: ____	
Pump Depth: ____			

WELL INTEGRITY: ____ LOCK#: ____

REMARKS: ____

SIGNATURE: [signature] Page ___ of ___

APPENDIX B

Laboratory Analytical Reports

First Quarter 2003

Groundwater Monitoring Report

575 Paseo Grande

San Lorenzo, California

SECOR Project No. 05OT.50063.00.0003

June 13, 2003

SEVERN TRENT STL

Submission#: 2003-03-0124

SECOR- Lafayette

March 13, 2003

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

Attn.: Neil Doran

Project#: 050T.50063.00
Project: Bohannon Development

Attached is our report for your samples received on 03/06/2003 18:26
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 04/20/2003 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

Afsaneh Salimpour
Project Manager

SEVERN TRENT STL

Submission #: 2003-03-0124

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
Bohannon Development

Received: 03/06/2003 18:26

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	03/04/2003 11:30	Water	1
MW-2	03/04/2003 12:30	Water	2
MW-3	03/04/2003 13:30	Water	3
MW-4	03/04/2003 14:30	Water	4
MW-5	03/04/2003 10:30	Water	5
MW-6	03/04/2003 09:30	Water	6
MW-7	03/04/2003 09:00	Water	7

SEVERN TRENT STL

Submission #: 2003-03-0124

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
Bohannon Development

Received: 03/06/2003 18:26

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-1**	Lab ID:	2003-03-0124 - 1
Sampled:	03/04/2003 11:30	Extracted:	3/12/2003 18:43
Matrix:	Water	QC Batch#:	2003/03/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 18:43	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 18:43	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 18:43	
Ethyl benzene	ND	0.50	ug/L	1.00	03/12/2003 18:43	
Xylene(s)	ND	0.50	ug/L	1.00	03/12/2003 18:43	
Surrogates(s)						
Trifluorotoluene	102.8	58-124	%	1.00	03/12/2003 18:43	
4-Bromofluorobenzene-FID	91.9	50-150	%	1.00	03/12/2003 18:43	

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
Bohannon Development

Received: 03/06/2003 18:26

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-2**	Lab ID:	2003-03-0124 - 2
Sampled:	03/04/2003 12:30	Extracted:	3/12/2003 19:16
Matrix:	Water	QC Batch#:	2003/03/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	250	ug/L	5.00	03/12/2003 19:16	g
Benzene	130	2.5	ug/L	5.00	03/12/2003 19:16	
Toluene	4.5	2.5	ug/L	5.00	03/12/2003 19:16	
Ethyl benzene	22	2.5	ug/L	5.00	03/12/2003 19:16	
Xylene(s)	24	2.5	ug/L	5.00	03/12/2003 19:16	
Surrogates(s)						
Trifluorotoluene	106.2	58-124	%	5.00	03/12/2003 19:16	
4-Bromofluorobenzene-FID	102.3	50-150	%	5.00	03/12/2003 19:16	

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
Bohannon Development

Received: 03/06/2003 18:26

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-3**	Lab ID:	2003-03-0124 - 3
Sampled:	03/04/2003 13:30	Extracted:	3/12/2003 19:48
Matrix:	Water	QC Batch#:	2003/03/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5000	500	ug/L	10.00	03/12/2003 19:48	g
Benzene	650	5.0	ug/L	10.00	03/12/2003 19:48	
Toluene	18	5.0	ug/L	10.00	03/12/2003 19:48	
Ethyl benzene	42	5.0	ug/L	10.00	03/12/2003 19:48	
Xylene(s)	27	5.0	ug/L	10.00	03/12/2003 19:48	
Surrogates(s)						
Trifluorotoluene	98.4	58-124	%	10.00	03/12/2003 19:48	
4-Bromofluorobenzene-FID	94.2	50-150	%	10.00	03/12/2003 19:48	

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
Bohannon Development

Received: 03/06/2003 18:26

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-4**	Lab ID:	2003-03-0124 - 4
Sampled:	03/04/2003 14:30	Extracted:	3/12/2003 20:20
Matrix:	Water	QC Batch#:	2003/03/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4500	500	ug/L	10.00	03/12/2003 20:20	g
Benzene	170	5.0	ug/L	10.00	03/12/2003 20:20	
Toluene	18	5.0	ug/L	10.00	03/12/2003 20:20	
Ethyl benzene	63	5.0	ug/L	10.00	03/12/2003 20:20	
Xylene(s)	47	5.0	ug/L	10.00	03/12/2003 20:20	
Surrogates(s)						
Trifluorotoluene	93.6	58-124	%	10.00	03/12/2003 20:20	
4-Bromofluorobenzene-FID	92.1	50-150	%	10.00	03/12/2003 20:20	

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
Bohannon Development

Received: 03/06/2003 18:26

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-5**	Lab ID:	2003-03-0124 - 5
Sampled:	03/04/2003 10:30	Extracted:	3/12/2003 22:29
Matrix:	Water	QC Batch#:	2003/03/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 22:29	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 22:29	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 22:29	
Ethyl benzene	ND	0.50	ug/L	1.00	03/12/2003 22:29	
Xylene(s)	ND	0.50	ug/L	1.00	03/12/2003 22:29	
Surrogates(s)						
Trifluorotoluene	102.7	58-124	%	1.00	03/12/2003 22:29	
4-Bromofluorobenzene-FID	98.8	50-150	%	1.00	03/12/2003 22:29	

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
Bohannon Development

Received: 03/06/2003 18:26

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6**	Lab ID:	2003-03-0124 - 6
Sampled:	03/04/2003 09:30	Extracted:	3/12/2003 23:01
Matrix:	Water	QC Batch#:	2003/03/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 23:01	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 23:01	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 23:01	
Ethyl benzene	ND	0.50	ug/L	1.00	03/12/2003 23:01	
Xylene(s)	ND	0.50	ug/L	1.00	03/12/2003 23:01	
Surrogates(s)						
Trifluorotoluene	100.7	58-124	%	1.00	03/12/2003 23:01	
4-Bromofluorobenzene-FID	95.2	50-150	%	1.00	03/12/2003 23:01	

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
Bohannon Development

Received: 03/06/2003 18:26

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7**	Lab ID:	2003-03-0124 - 7
Sampled:	03/04/2003 09:00	Extracted:	3/12/2003 23:34
Matrix:	Water	QC Batch#:	2003/03/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/12/2003 23:34	
Benzene	ND	0.50	ug/L	1.00	03/12/2003 23:34	
Toluene	ND	0.50	ug/L	1.00	03/12/2003 23:34	
Ethyl benzene	ND	0.50	ug/L	1.00	03/12/2003 23:34	
Xylene(s)	ND	0.50	ug/L	1.00	03/12/2003 23:34	
Surrogates(s)						
Trifluorotoluene	101.6	58-124	%	1.00	03/12/2003 23:34	
4-Bromofluorobenzene-FID	94.8	50-150	%	1.00	03/12/2003 23:34	

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
Bohannon Development

Received: 03/06/2003 18:26

Batch QC Report

Prep(s): 5030
Method Blank

Water

Test(s): 8015M
QC Batch # 2003/03/12-01.05

MB: 2003/03/12-01.05-003

Date Extracted: 03/12/2003 08:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/12/2003 08:06	
Benzene	ND	0.5	ug/L	03/12/2003 08:06	
Toluene	ND	0.5	ug/L	03/12/2003 08:06	
Ethyl benzene	ND	0.5	ug/L	03/12/2003 08:06	
Xylene(s)	ND	0.5	ug/L	03/12/2003 08:06	
Surrogates(s)					
Trifluorotoluene	100.4	58-124	%	03/12/2003 08:06	
4-Bromofluorobenzene-FID	98.3	50-150	%	03/12/2003 08:06	

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
Bohannon Development

Received: 03/06/2003 18:26

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2003/03/12-01.05**

LCS 2003/03/12-01.05-004 Extracted: 03/12/2003 Analyzed: 03/12/2003 08:38

LCSD 2003/03/12-01.05-005 Extracted: 03/12/2003 Analyzed: 03/12/2003 09:10

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	93.9	95.5	100.0	93.9	95.5	1.7	77-123	20		
Toluene	98.3	98.7	100.0	98.3	98.7	0.4	78-122	20		
Ethyl benzene	96.7	98.8	100.0	96.7	98.8	2.1	70-130	20		
Xylene(s)	287	293	300	95.7	97.7	2.1	75-125	20		
Surrogates(s)										
Trifluorotoluene	489	528	500	97.8	105.6		58-124			

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
Bohannon Development

Received: 03/06/2003 18:26

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2003/03/12-01.05**

LCS 2003/03/12-01.05-006 Extracted: 03/12/2003 Analyzed: 03/12/2003 09:42
LCSD 2003/03/12-01.05-007 Extracted: 03/12/2003 Analyzed: 03/12/2003 10:15

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	490	468	500	98.0	93.6	4.6	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	523	532	500	104.6	106.4		50-150			

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
Bohannon Development

Received: 03/06/2003 18:26

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

2003-03-0124 Chain-of Custody Number: 72452

SECOR Chain-of Custody Record

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

☐ Additional documents are attached, and are a part of this Record.

Job Name: Bohannon Development
Location: 575 Paseo Grande
San Lorenzo, CA

Project # 050T.50063.00 Task # 0003
Project Manager Neil Doran
Laboratory STL
Turnaround Time Standard

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

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/MTPH-G 8015 (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	3.4.03	1180	H2O		X														4
MW-2		1230			X														4
MW-3		1330			X														4
MW-4		1430			X														4
MW-5		1030			X														4
MW-6		930			X														4
MW-7		900			X														4

Special Instructions/Comments:

Relinquished by:
Sign Neil Doran
Print Neil Doran
Company SECOR
Time _____ Date 3.6.03

Received by:
Sign [signature]
Print [signature]
Company STL-SF
Time 1015 Date 3/6/03

Relinquished by:
Sign [signature]
Print [signature]
Company STL-SF
Time 1826 Date 3/6/03

Received by:
Sign Nounak
Print Nounak
Company STL-SF
Time 1826 Date 3/6/03

Sample Receipt
Total no. of containers: 2.0°
Chain of custody seals:
Rec'd in good condition/cold:
Conforms to record:

Client: _____
Client Contact: _____
Client Phone: _____

SECOR CUSTREC Rev. 2/99

Date 3/5/03 Page 1 of 1

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 03 - 0124

Checklist completed by: (initials) CR Date: 03/07/03

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^{o} C ± 2)?	Temp: 2.0 °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: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ 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):