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FOURTH QUARTER 2002
GROUNDWATER MONITORING REPORT

3/21/03

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:

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Lafayette, California 94549

March 21, 2003

RO-167

DAVID D. BOHANNON
ORGANIZATION

March 27, 2003

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

RE: Fourth Quarter 2002 Groundwater Monitoring Report
575 Paseo Grande
San Lorenzo, California

Dear Ms. Chew:

Enclosed for your review is the *Fourth Quarter 2002 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

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Fourth Quarter 2002 Groundwater Monitoring Report

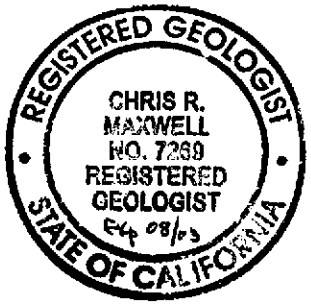
David D. Bohannon Organization
575 Paseo Grande
San Lorenzo, CA
SECOR Project No. 05OT.50063.00

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 December 2, 2002, 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 August 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 (TPHg) 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.

2.0 GROUNDWATER MONITORING

Groundwater monitoring wells MW-1 through MW-7 were gauged for depth-to-water and sampled on December 2, 2002.

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 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 TPHg by U.S. Environmental Protection Agency (EPA) Method 8015 (modified); and for BTEX by EPA Method 8021B.

3.0 RESULTS

3.1 DECEMBER 2002 GROUNDWATER ELEVATION RESULTS

The average depth-to-water measurement taken at the Site on December 2, 2002, was 6.54 feet below the top of the well casing, with an average water-table elevation of 19.49 feet above mean sea level. Groundwater elevations increased an average of 0.24 feet since the previous monitoring event in August 2002.

A potentiometric surface map illustrating the interpreted groundwater surface elevation and flow direction on December 2, 2002, is presented as Figure 3. The hydraulic gradient across the Site was approximately 0.0019 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 DECEMBER 2002 GROUNDWATER ANALYTICAL RESULTS

Table 2 presents historical groundwater laboratory analytical results for the Site, including the December 2002 sampling event. Petroleum hydrocarbon chemical data for the December 2002 event are illustrated on Figure 4.

TPHg 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.

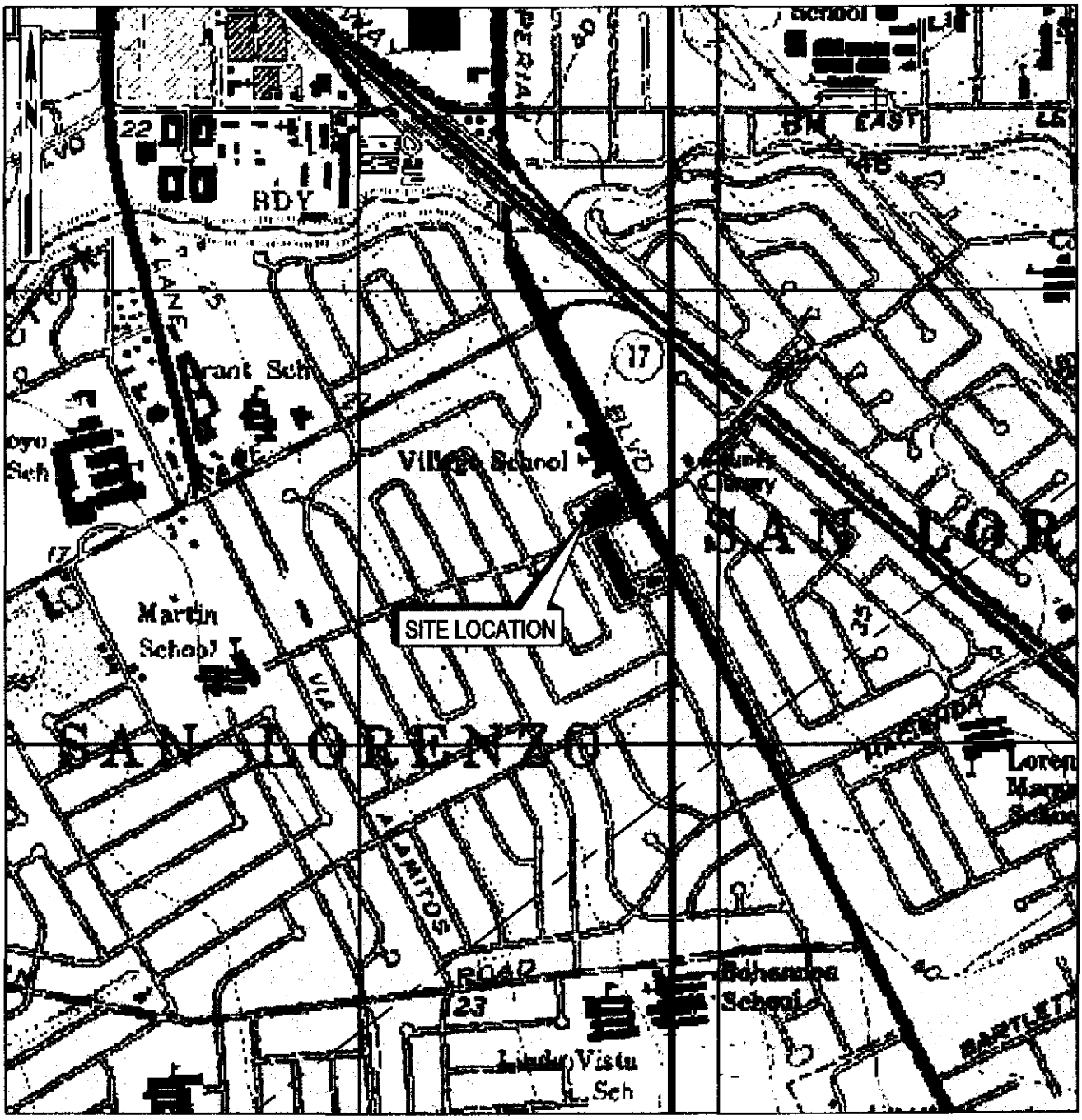
Copies of the laboratory analytical reports for groundwater samples are attached as Appendix B. The following provides a brief discussion of the analytical results:

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 December 2002 event, benzene concentrations ranged from 76 micrograms per liter (µg/L) in MW-2 to 650 µg/L in MW-3. Reported BTEX concentrations for the December 2002 event are generally consistent with historical results.

3.2.2 TPHg

TPHg was reported in samples collected from wells MW-2, MW-3, and MW-4. Historical concentrations of TPHg in these three wells are shown on Figure 7 (MW-2 and MW-4) and Figure 8 (MW-3). During the December 2002 event, TPHg concentrations ranged from 1,100 µg/L in MW-2 to 5,700 µg/L in MW-3. Reported TPHg concentrations are generally consistent with historical results.



REFERENCE:

DeLORME 3-D TOPOQUADS

0 1000 2000

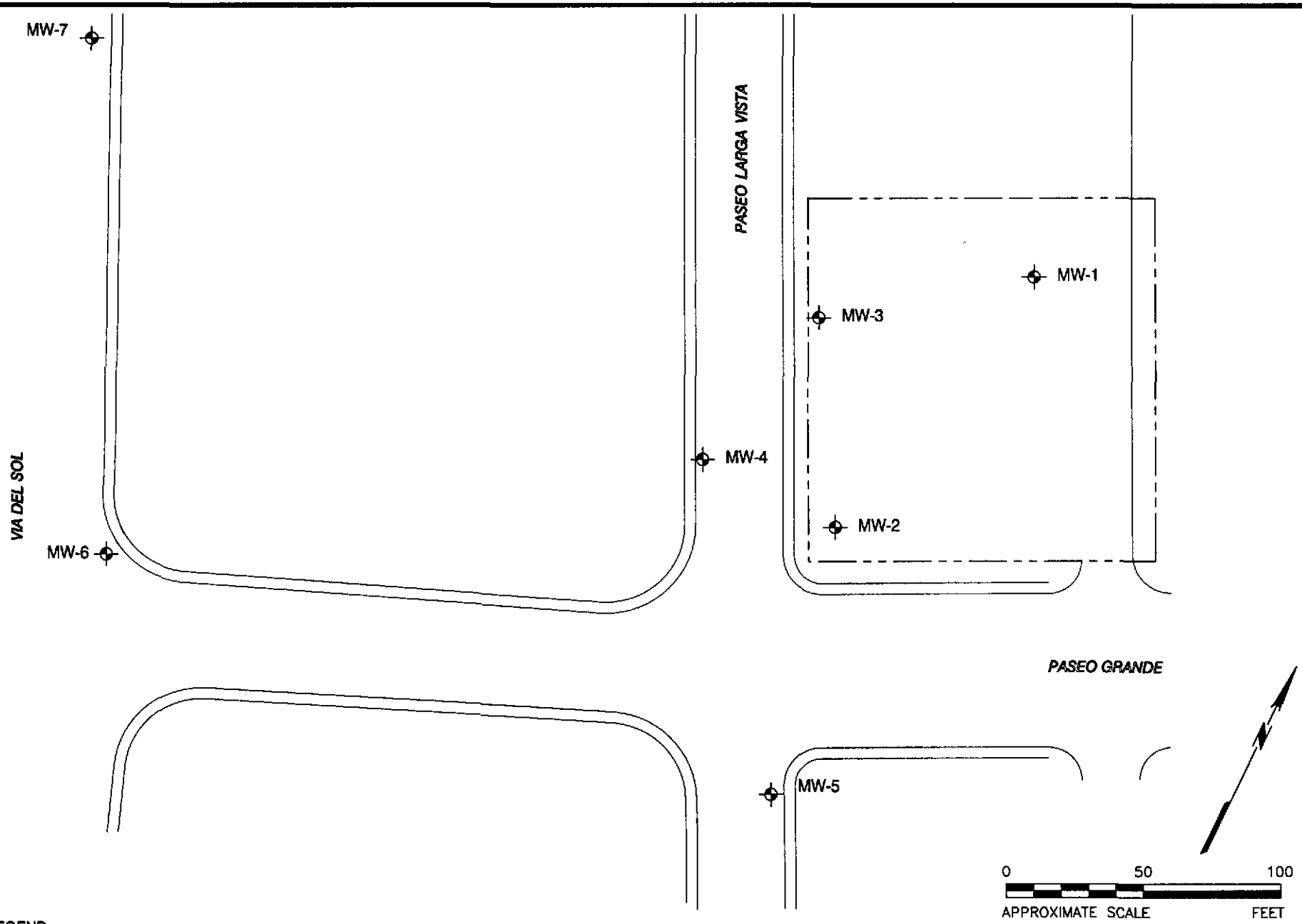
APPROXIMATE SCALE FEET

SECOR International Incorporated	DRAWN RRR
	APPR ND
	DATE 11 MAY 2002
	JOB NO. 05OT.50026.00.0005

FIGURE 1
BOHANNON DEVELOPMENT COMPANY
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

20021011.154722\18 E:\BOH\2002 work plan\BOH-SITE LOCATION MAP-FIGURE 1-2002 work plan.dwg



LEGEND

MW-6 EXISTING WELL LOCATION

APPROXIMATE PROPERTY LINE

SECOR International Incorporated

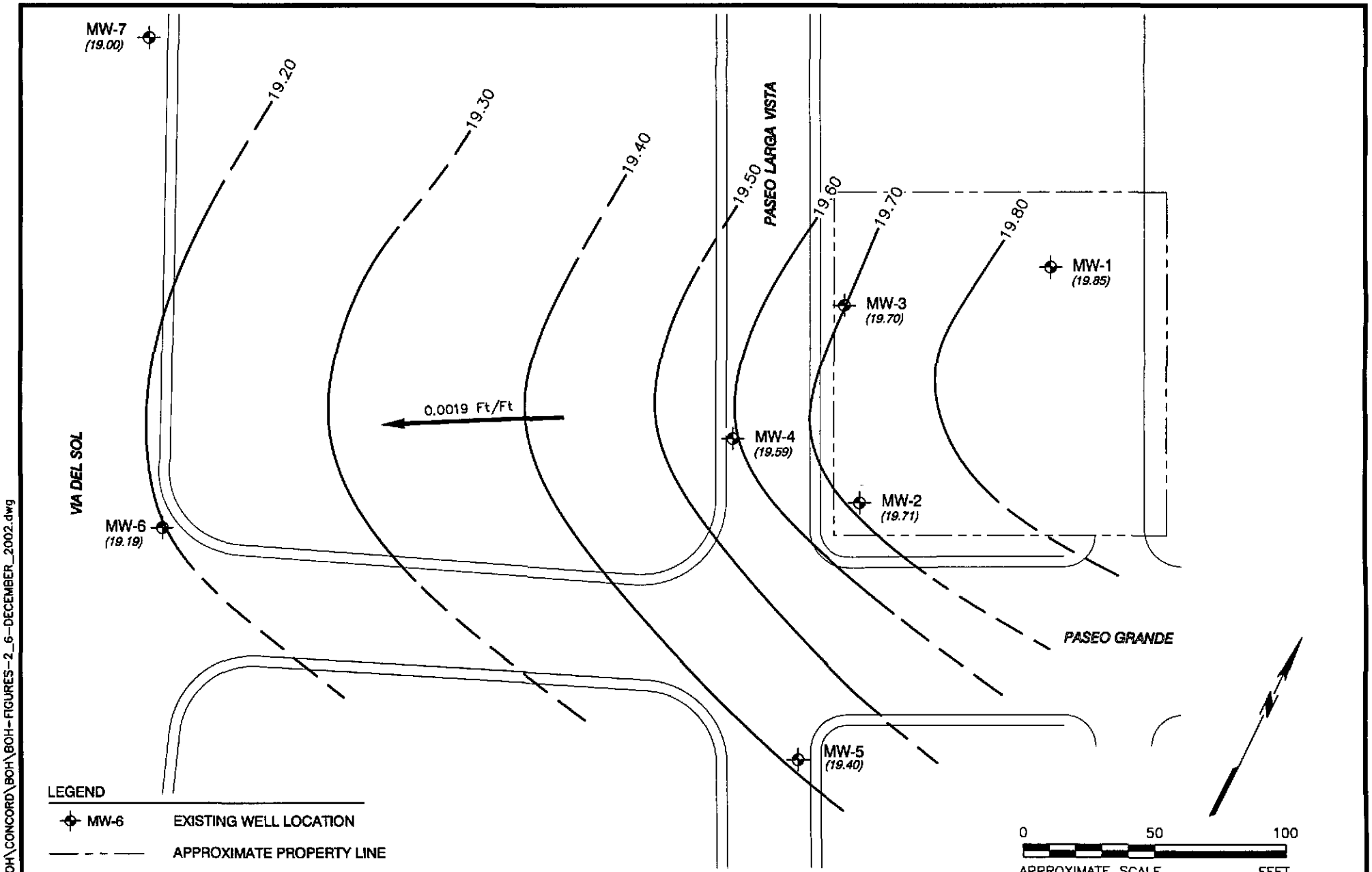
DRAWN	RRR
APPR	ND
DATE	11 MAY 2002
JOB NO.	050T.50026.00.0005

FIGURE 2

BOHANNON DEVELOPMENT COMPANY
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SITE PLAN

G:\CONCORD\BOH\BOH-FIGURES-2_6.DWG (TAB=FIGURE-2) RRR 3 OCT 01



LEGEND

MW-6	EXISTING WELL LOCATION
— — —	APPROXIMATE PROPERTY LINE
0.0019 Ft/Ft	HYDRAULIC GRADIENT
19.20	GROUNDWATER SURFACE ELEVATION CONTOUR (DASHED WHERE INFFERED)
(19.19)	GROUNDWATER ELEVATION (FEET ABOVE MSL)

SECOR International Incorporated

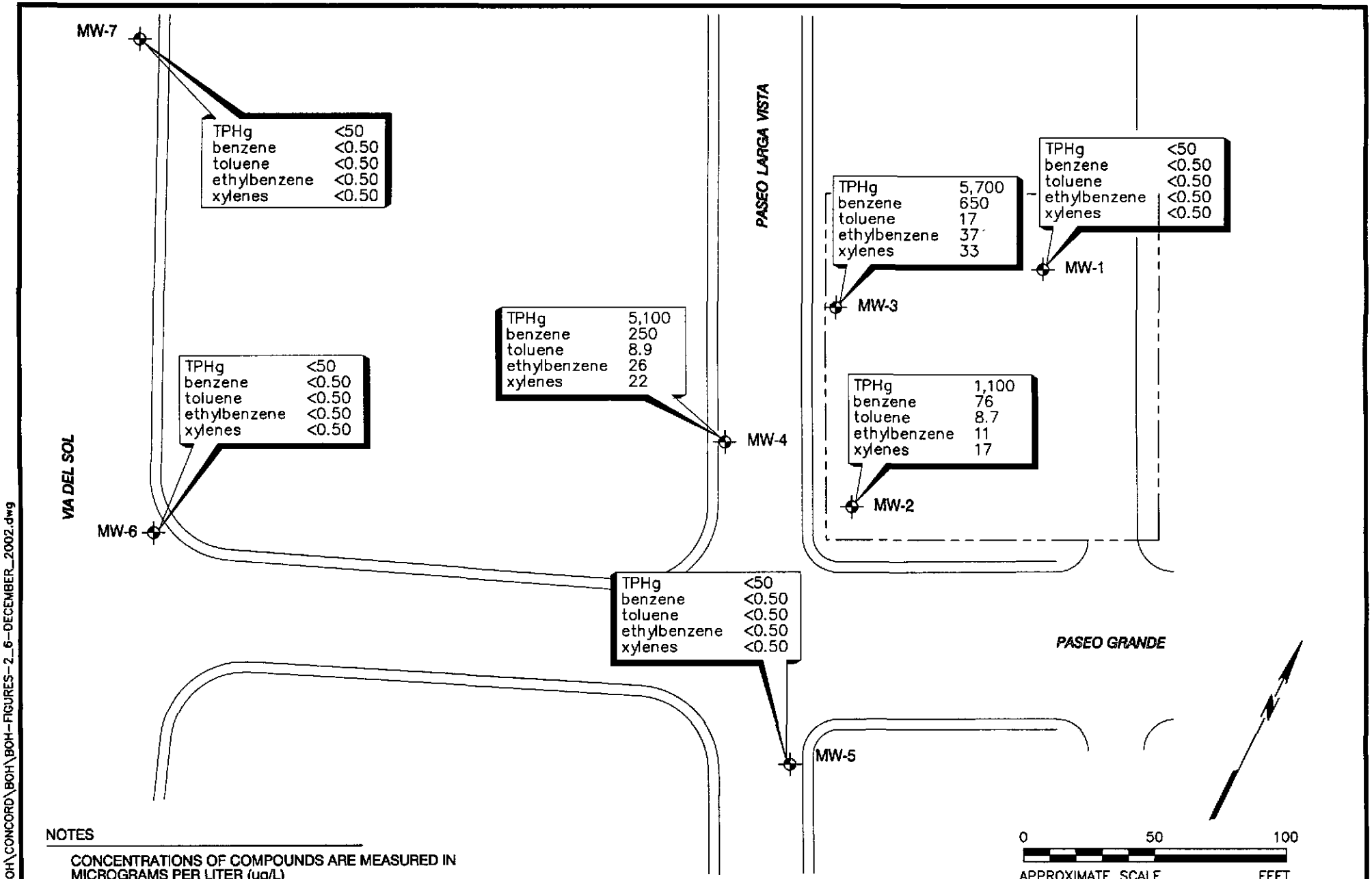
DRAWN	RRR
APPR	ND
DATE	17 DEC 2002
JOB NO.	050T.50063.00.0003

FIGURE 3

BOHANNON DEVELOPMENT COMPANY
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

POTENTIOMETRIC SURFACE MAP
DECEMBER 2, 2002

20030226.05545305 E:\BOH\CONCORD\BOH\BOH-FIGURES-2_6-DECEMBER_2002.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 *International Incorporated*

DRAWN	RRR
APPR	ND
DATE	17 DEC 2002
JOB NO.	050T.50063.00.0003

FIGURE 4

BOHANNON DEVELOPMENT COMPANY
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

CHEMICAL CONCENTRATIONS IN GROUNDWATER DECEMBER 2, 2002

20030226.05550023 E:\BOH\CONCORD\BOH\BOH-FIGURES-2_6-DECEMBER_2002.dwg

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

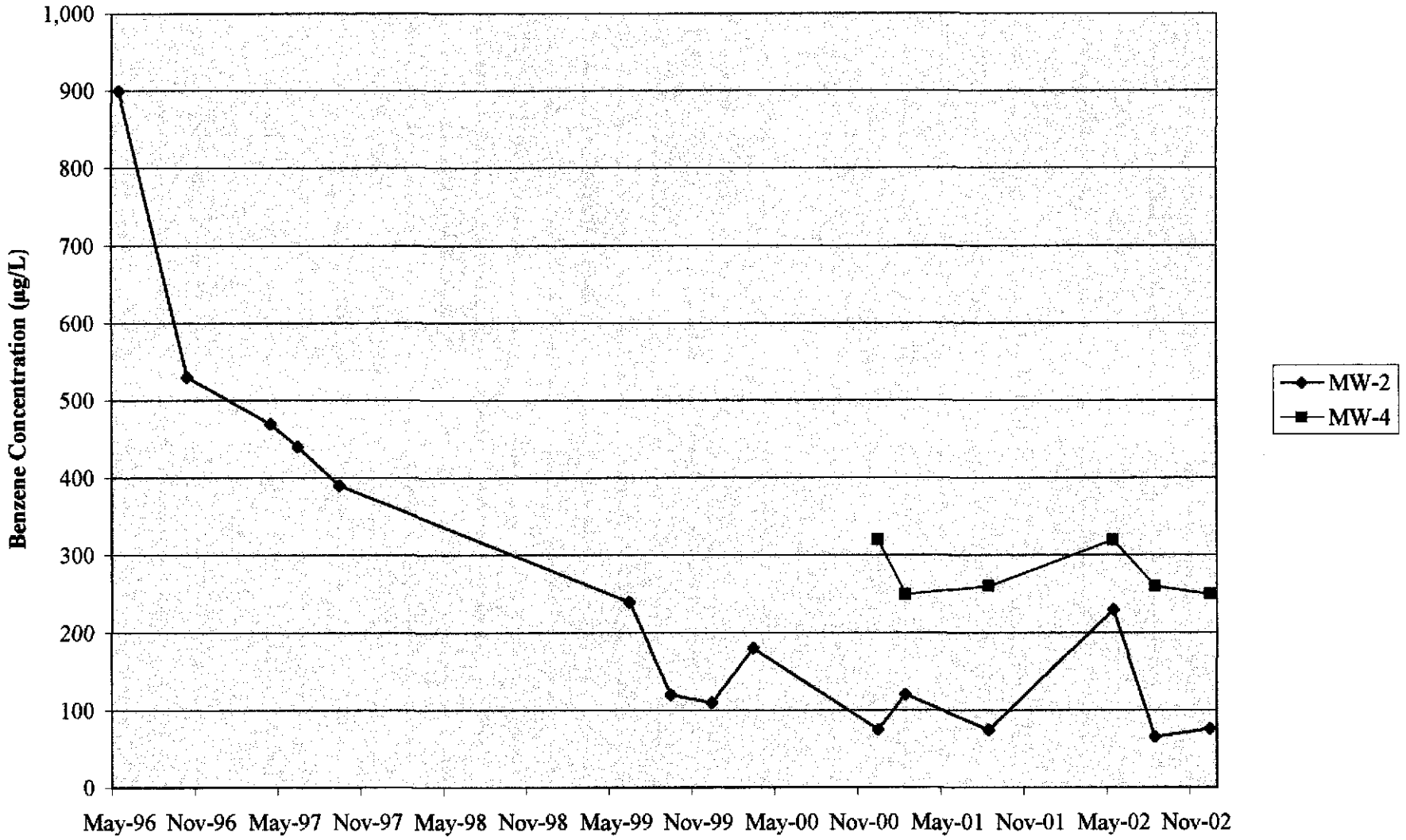


Figure 6 - Historical Concentrations of Benzene at MW-3

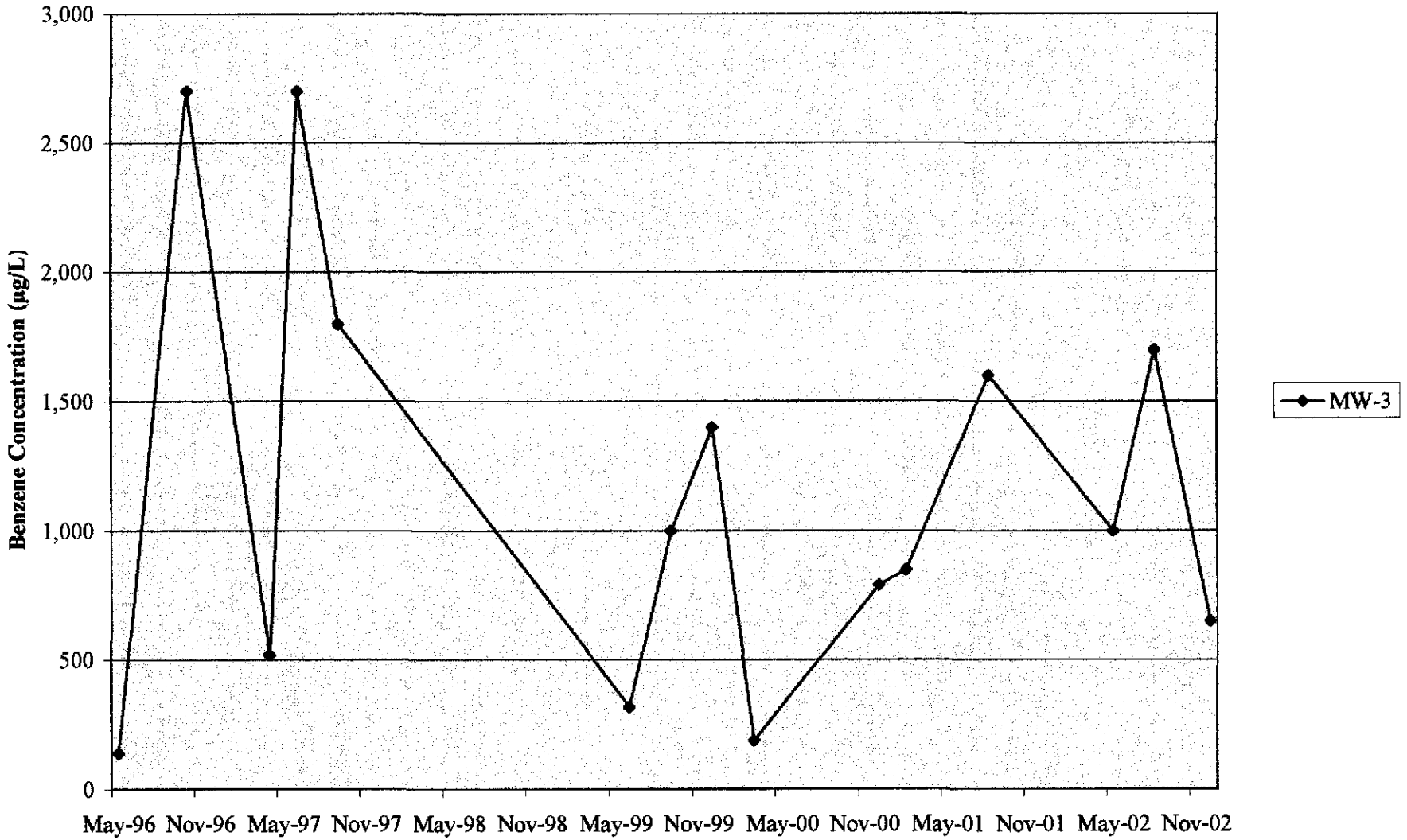


Figure 7 - Historical Concentrations of TPHg at MW-2 and MW-4

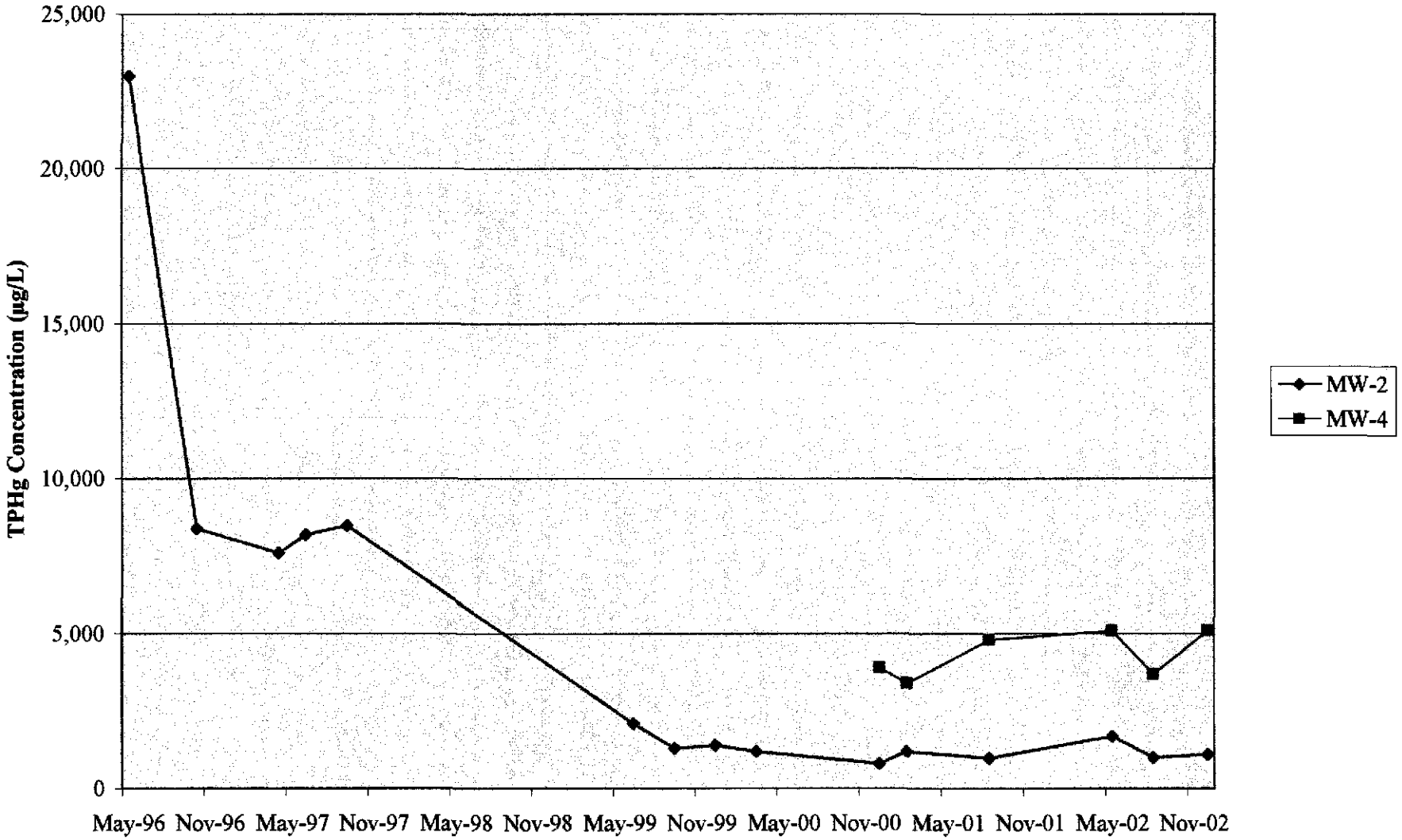


Figure 8 - Historical Concentrations of TPHg at MW-3

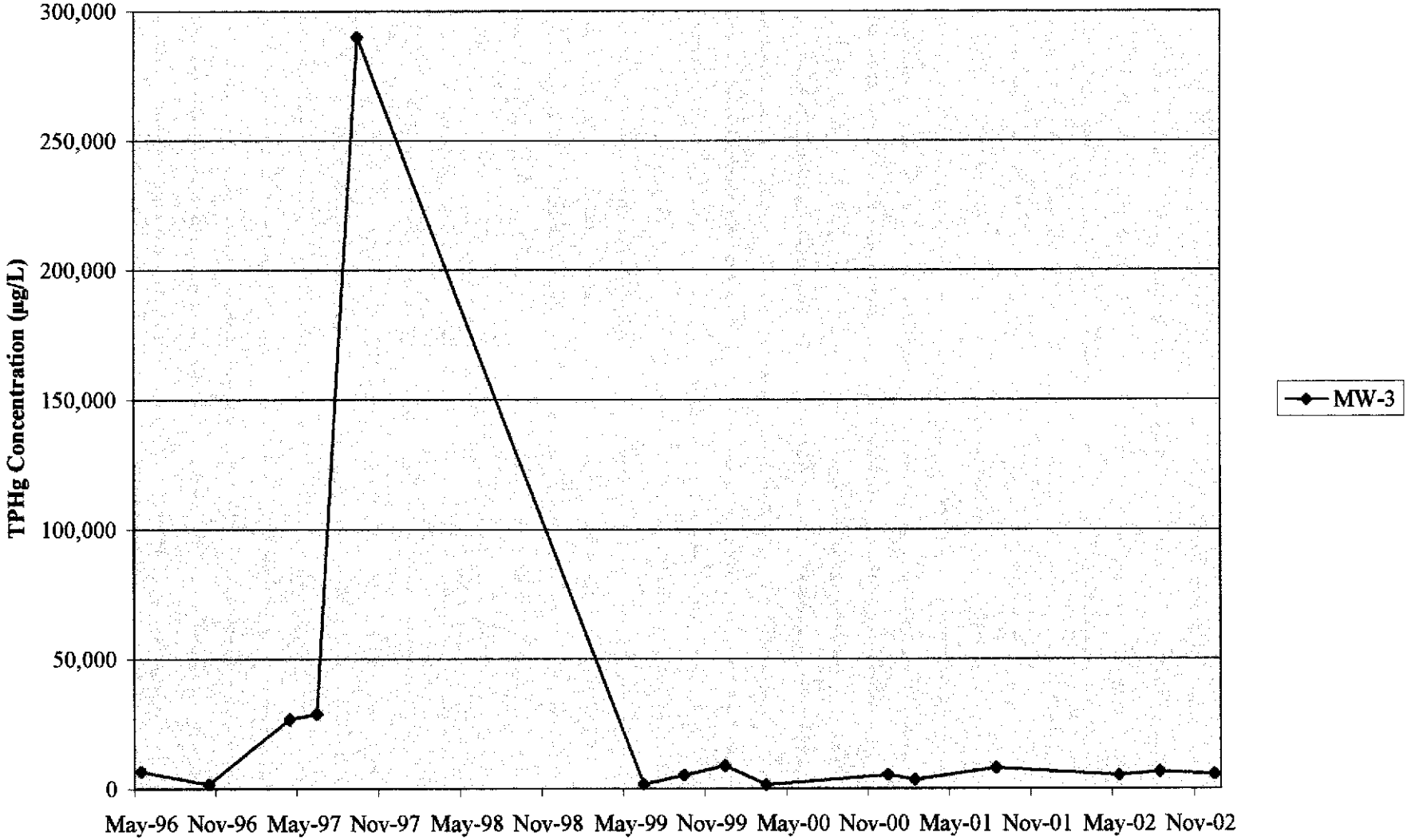


Table 1
Historical Groundwater Elevation Data
575 Paseo Grande
San Lorenzo, California

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
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
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

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
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
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
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

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 (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	Chromium (ug/L)	Dissolved Inorganic Lead (ug/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
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
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

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

	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	Chromium (ug/L)	Dissolved Inorganic Lead (ug/L)
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
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
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
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
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

Notes:
TPHg = Total petroleum hydrocarbons quantified as gasoline
ug/L = Micrograms per liter
ND = Below laboratory detection limits (detection limit indicated in parentheses)
[F] The laboratory noted that there was a greater than 25% difference in results between the two GC columns.
NA = Not analylzed
NS = Not Sampled

APPENDIX A

Field Data Sheets

Fourth Quarter 2002

Groundwater Monitoring Report

575 Paseo Grande

San Lorenzo, California

SECOR Project No. 05OT.50063.00.0003

March 21, 2003

HYDROLOGIC DATA SHEET

DATE: 12-2-02 PROJECT: Bohannon PROJECT # 050T. 50063.00

EVENT: 4TH QTR 2002 SAMPLER: Neil Doran

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	DTP	PT	ELEV	
MW-1	935		7.13				
MW-2	1010		7.02				
MW-3	1100		6.85				
MW-4	1140		6.28				
MW-5	910		6.37				
MW-6	~~900~~ 835		5.70				
MW-7	805		6.43				

CODES: TOC - TOP OF CASING (FEET, RELATIVE TO MEAN SEA LEVEL)
DTW - DEPTH TO WATER (FEET)
DTP - DEPTH TO PRODUCT (FEET)
PT - PRODUCT THICKNESS (FEET)
ELEV - GROUNDWATER ELEVATION (FEET, RELATIVE TO MEAN SEA LEVEL)

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

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

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

LOCATION: 575 Pasa Grande WHAT QA SAMPLES?: —

DATE PURGED 12.2.02 START (2400hr) 937 END (2400hr) 945

DATE SAMPLED 12.2.02 SAMPLE TIME (2400hr) 1000

SAMPLE TYPE: Groundwater X 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) = 14.40 CASING VOLUME (gal) = —

DEPTH TO WATER (feet) = 7.13 CALCULATED PURGE (gal) = —

WATER COLUMN HEIGHT (feet) = 7.27 ACTUAL PURGE ~~(gal)~~ = 1.50 L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ~~(gal)~~	TEMP. (degrees F)C	CONDUCTIVITY (umhos/cm)	pH (units)	DO % / PPM ~~COLOR~~ (visual)	ORP TURBIDITY ~~(NTU)~~ (mV)	DTW (ft)
12.2.02	939	250 mL	22.71	1308	7.05	2.7/0.23	80.7	
	940	500 mL	22.89	1,318	7.03	1.8/0.16	77.7	
	941	750 mL	23.00	1,323	7.04	1.4/0.12	77.2	
	942	1.00 L	23.11	1,326	7.05	1.3/0.11	77.2	
	943	1.25 L	23.19	1,327	7.05	1.3/0.11	77.3	
	944	1.50 L	23.46	1,330	7.06	1.3/0.11	78.3	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ___ SAMPLE TURBIDITY: ___N/A___

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

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOAs

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Well Wizard Bladder Pump	___ Bailer (Teflon)	___ WW Bladder Pump	___ Bailer (Teflon)
___ Active Extration Well Pump	___ Bailer (PVC or ___disp)	___ Sample Port	___ Bailer (___PVC or ___disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
✓ Peristaltic Pump	___ Dedicated ___	✓ Peristaltic Pump	___ Dedicated ___
Other: ___		Other: ___	
Pump Depth: ___			

WELL INTEGRITY: good LOCK#: ___

REMARKS: ___FOR WW PURGING: DISCHARGE TIME ___, REFILL TIME ___, AIR PRESSURE ___

SIGNATURE: [signature] Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 050T. 50063.00 PURGED BY: ND WELL I.D.: MW-2

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

LOCATION: 575 Paseo Granada WHAT QA SAMPLES?: —

DATE PURGED 12-2-02 START (2400hr) 1015 END (2400hr) ____

DATE SAMPLED 12-2-02 SAMPLE TIME (2400hr) 1045

SAMPLE TYPE: Groundwater X 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) = 14.70 CASING VOLUME (gal) = —

DEPTH TO WATER (feet) = 7.02 CALCULATED PURGE (gal) = —

WATER COLUMN HEIGHT (feet) = 7.68 ACTUAL PURGE ~~(gal)~~ = 1.75 L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ~~(gal)~~	TEMP. (degrees F)(C)	CONDUCTIVITY (umhos/cm)	pH (units)	DO %/PPM ~~COLOR~~ (visual)	ORP ~~TURBIDITY~~ ~~(NTU)~~ (mv)	DTW (ft)
0.20L	~~1016~~ 1016	250 mL	23.07	1,455	6.85	3.0/0.25	-50.4	
	1017	500 mL	23.24	1,461	6.85	1.9/0.15	-96.4	
	1018	750 mL	23.27	1,463	6.85	1.5/0.13	-99.3	
	1019	1.00 L	23.29	1,459	6.84	1.6/0.14	-100.4	
	1020	1.25L	23.30	1,445	6.85	1.5/0.13	-101.4	
	1021	1.50L	23.28	1,442	6.83	1.5/0.12	-100.7	
	1022	1.75L	23.30	1,440	6.83	1.5/0.13	-100.5	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ SAMPLE TURBIDITY: ____N/A____

80% RECHARGE: ✓YES ___NO ANALYSES: TPHg BTEX

ODOR: TPH SAMPLE VESSEL / PRESERVATIVE: (3) VOAs

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
____ Well Wizard Bladder Pump	____ Bailer (Teflon)	___WW Bladder Pump	____ Bailer (Teflon)
____ Active Extration Well Pump	____ Bailer (PVC or ___disp)	___ Sample Port	____ Bailer (___PVC or ___disposable)
____ Submersible Pump	____ Bailer (Stainless Steel)	___ Submersible Pump	____ Bailer (Stainless Steel)
___✓Peristaltic Pump	____ Dedicated ____	___✓Peristaltic Pump	___ Dedicated ____
Other: ____		Other: ____	
Pump Depth: ____			

WELL INTEGRITY: good LOCK#: ____

REMARKS: ___FOR WW PURGING: DISCHARGE TIME____,REFILL TIME____,AIR PRESSURE____

SIGNATURE: Neil Doran

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 050T.50063.00 PURGED BY: ND WELL I.D.: MW-3

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

LOCATION: 575 Paseo Grande WHAT QA SAMPLES?: —

DATE PURGED 12-2-02 START (2400hr) 1100 END (2400hr) 1109

DATE SAMPLED 12-2-02 SAMPLE TIME (2400hr) 1130

SAMPLE TYPE: Groundwater X 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) = 13.00 CASING VOLUME (gal) = —

DEPTH TO WATER (feet) = 6.85 CALCULATED PURGE (gal) = —

WATER COLUMN HEIGHT (feet) = 6.15 ACTUAL PURGE ~~(gal)~~ = 2.00L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ~~(gal)~~	TEMP. (degrees F)(C)	CONDUCTIVITY (umhos/cm)	pH (units)	DO %/PPM ~~COLOR~~ (visual)	ORP ~~TURBIDITY~~ ~~(NTU)~~ (mv)	DTW (ft)
12-2-02	1102	250mL	22.82	1,525	6.87	6.7/0.55	-142.4	
	1103	500mL	22.97	1,531	6.85	5.5/0.49	-141.8	
	1104	750mL	23.09	1,537	6.81	4.0/0.34	-142.0	
	1105	1.00L	23.14	1,541	6.83	3.7/0.32	-142.2	
	1106	1.25L	23.16	1,544	6.83	4.7/0.39	-141.3	
	1107	1.50L	23.16	1,547	6.82	3.0/0.25	-140.1	
	1108	1.75L	23.17	1,550	6.81	2.4/0.21	-139.7	
	1109	2.00L	23.19	1,551	6.82	2.2/0.18	-138.5	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ SAMPLE TURBIDITY: ____ N/A ____

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

ODOR: TPH SAMPLE VESSEL / PRESERVATIVE: (3) VOAs

PURGING EQUIPMENT

____ Well Wizard Bladder Pump ____ Bailer (Teflon)
____ Active Extration Well Pump ____ Bailer (PVC or ___disp)
____ Submersible Pump ____ Bailer (Stainless Steel)
✓ Peristaltic Pump ____ Dedicated ____

Other: ____

Pump Depth: ____

SAMPLING EQUIPMENT

___ WW Bladder Pump ____ Bailer (Teflon)
___ Sample Port ____ Bailer (___PVC or ___disposable)
___ Submersible Pump ____ Bailer (Stainless Steel)
✓ Peristaltic Pump ____ Dedicated ____

Other: ____

WELL INTEGRITY: good LOCK#: ____

REMARKS: ___FOR WW PURGING: DISCHARGE TIME ____, REFILL TIME ____, AIR PRESSURE ____

SIGNATURE: Neil Dorn

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 050T. 50063.00 PURGED BY: ND WELL I.D.: MW-4

CLIENT NAME: Bohannon SAMPLED BY: ND SAMPLE I.D.: MW-4

LOCATION: 575 Bates Temple WHAT QA SAMPLES?: —

DATE PURGED 12.2.02 START (2400hr) 1145 END (2400hr) 1151

DATE SAMPLED 12-2-02 SAMPLE TIME (2400hr) 1215

SAMPLE TYPE: Groundwater X 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) = 15.15 CASING VOLUME (gal) = —

DEPTH TO WATER (feet) = 6.28 CALCULATED PURGE (gal) = —

WATER COLUMN HEIGHT (feet) = 8.87 ACTUAL PURGE ~~(gal)~~ = 1.50 L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ~~(gal)~~	TEMP. (degrees ~~F~~ C)	CONDUCTIVITY (umhos/cm)	pH (units)	DO%/PPM ~~COLOR~~ ~~(visual)~~	ORP TURBIDITY ~~(NTU)~~ (mV)	DTW (ft)
12.2.02	1146	250mL	20.64	1,056	6.82	3.7/0.51	-101.3	
	1147	500 ml	20.73	1,055	6.81	2.5/0.19	-103.9	
	1148	750 ml	20.75	1,052	6.81	1.6/0.19	-104.9	
	1149	1.00 L	20.77	1,049	6.80	1.4/0.13	-106.2	
	1150	1.25 L	20.76	1,048	6.20	1.2/0.11	-107.2	
	1151	1.50 L	20.73	1,047	0.80	1.2/0.11	-107.7	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ SAMPLE TURBIDITY: ____N/A____

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

ODOR: TPH SAMPLE VESSEL / PRESERVATIVE: (3) VOAs

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
____ Well Wizard Bladder Pump	____ Bailer (Teflon)	____ WW Bladder Pump	____ Bailer (Teflon)
____ Active Extration Well Pump	____ Bailer (PVC or ___disp)	____ Sample Port	____ Bailer (___PVC or ___disposable)
____ Submersible Pump	____ Bailer (Stainless Steel)	____ Submersible Pump	____ Bailer (Stainless Steel)
✓ Peristaltic Pump	____ Dedicated ____	✓ Peristaltic Pump	____ Dedicated ____
Other: ____		Other: ____	
Pump Depth: ____			

WELL INTEGRITY: good LOCK#: ____

REMARKS: ___FOR WW PURGING: DISCHARGE TIME____,REFILL TIME____,AIR PRESSURE____

SIGNATURE: Neil Dorn

Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 050T. 50063.00 PURGED BY: ND WELL I.D.: MW-5

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

LOCATION: 575 Paseo Grande WHAT QA SAMPLES?: —

DATE PURGED 12.2.02 START (2400hr) 910 END (2400hr) 922

DATE SAMPLED 12.2.02 SAMPLE TIME (2400hr) 930

SAMPLE TYPE: Groundwater X 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) = 14.35 CASING VOLUME (gal) = —

DEPTH TO WATER (feet) = 6.37 CALCULATED PURGE (gal) = —

WATER COLUMN HEIGHT (feet) = 7.98 ACTUAL PURGE ~~(gal)~~ = 2.50L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ~~(gal)~~	TEMP. (degrees ~~F~~ C)	CONDUCTIVITY (umhos/cm)	pH (units)	DO % / ppm COLOR ~~(visual)~~	ORP TURBIDITY ~~(NTU)~~ (mV)	DTW (ft)
12.2.02	913	250 mL	21.21	912	7.53	8.3/0.74	155.0	
	914	500 mL	21.43	920	7.33	7.3/0.65	151.1	
	915	750 mL	21.58	925	7.33	7.0/0.61	148.8	
	916	1.00 L	21.71	928	7.33	6.2/0.54	145.9	
	917	1.25L	21.81	930	7.33	5.6/0.45	143.8	
	918	1.50L	21.80	932	7.32	5.2/0.46	141.9	
	919	1.75L	21.83	935	7.31	4.2/0.37	139.1	
	920	2.00L	21.92	936	7.33	3.9/0.34	157.2	
	921	2.25L	21.85	936	7.31	3.7/0.32	155.2	
	922	2.50L	21.86	936	7.30	3.6/0.31	134.7	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ SAMPLE TURBIDITY: ____N/A____

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

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOAs

PURGING EQUIPMENT

____ Well Wizard Bladder Pump ____ Bailer (Teflon)
____ Active Extration Well Pump ____ Bailer (PVC or ___disp)
____ Submersible Pump ____ Bailer (Stainless Steel)
✓ Peristaltic Pump ____ Dedicated ____

Other: ____

Pump Depth: ____

SAMPLING EQUIPMENT

___WW Bladder Pump ____ Bailer (Teflon)
___ Sample Port ____ Bailer (___PVC or ___disposable)
___ Submersible Pump ____ Bailer (Stainless Steel)
✓ Peristaltic Pump ____ Dedicated ____

Other: ____

WELL INTEGRITY: good LOCK#: ____

REMARKS: ___FOR WW PURGING: DISCHARGE TIME____,REFILL TIME____,AIR PRESSURE____

SIGNATURE: Neil Dorn

Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 060T.50063.00 PURGED BY: ND WELL I.D.: MW-6

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

LOCATION: 575 Paseo Grande WHAT QA SAMPLES?: —

DATE PURGED 12.2.02 START (2400hr) 838 END (2400hr) 849

DATE SAMPLED 12.2.02 SAMPLE TIME (2400hr) 900

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

CASING DIAMETER: 2" ✓ (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) = 14.55 CASING VOLUME (gal) = —

DEPTH TO WATER (feet) = 5.70 CALCULATED PURGE (gal) = —

WATER COLUMN HEIGHT (feet) = 8.85 ACTUAL PURGE (gal) = 2.50 L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ~~(gal)~~	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO %/PPM ~~COLOR~~ (visual)	ORP ~~TURBIDITY~~ ~~(NTU)~~ (mV)	DTW (ft)
12.2.02	840	250 mL	19.52	674	7.22	9.0/0.31	160.1	
	841	500 mL	19.76	697	7.15	8.3/0.76	164.5	
	842	750 mL	19.97	700	7.16	7.5/0.68	165.6	
	843	1.00 L	20.08	701	7.17	6.8/0.61	163.8	
	844	1.25 L	20.14	702	7.17	6.6/0.57	162.4	
	845	1.50 L	20.20	702	7.17	6.1/0.55	160.5	
	846	1.75 L	20.24	703	7.15	5.8/0.53	160.4	
	847	2.00 L	20.27	703	7.16	5.5/0.50	160.0	
	848	2.25 L	20.29	703	7.16	5.1/0.46	158.8	
	849	2.50 L	20.30	703	7.17	5.0/0.45	157.9	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ SAMPLE TURBIDITY: ____N/A____

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

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) 40 VOAs

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Well Wizard Bladder Pump	___ Bailer (Teflon)	___ WW Bladder Pump	___ Bailer (Teflon)
___ Active Extration Well Pump	___ Bailer (PVC or ___disp)	___ Sample Port	___ Bailer (___PVC or ___disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
✓ Peristaltic Pump	___ Dedicated ____	___ Peristaltic Pump	___ Dedicated ____
Other: ____		Other: ____	
Pump Depth: ____			

WELL INTEGRITY: good LOCK#: ____

REMARKS: ___FOR WW PURGING: DISCHARGE TIME____,REFILL TIME____,AIR PRESSURE____

SIGNATURE: Neil Doran

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 050T. 50063.00 PURGED BY: MP WELL I.D.: MW. 7

CLIENT NAME: Shannon SAMPLED BY: MP SAMPLE I.D.: MW. 7

LOCATION: 575 Gasco Cir Grande WHAT QA SAMPLES?: -

DATE PURGED 12.2.02 START (2400hr) 810 END (2400hr) 820

DATE SAMPLED 12.2.02 SAMPLE TIME (2400hr) 830

SAMPLE TYPE: Groundwater X 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) = 14.40 CASING VOLUME (gal) = —

DEPTH TO WATER (feet) = 6.43 CALCULATED PURGE (gal) = —

WATER COLUMN HEIGHT (feet) = 7.97 ACTUAL PURGE ~~(gal)~~ = 2.00L

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME ~~(gal)~~	TEMP. (degrees F)C	CONDUCTIVITY (umhos/cm)	pH (units)	DO% / PPM ~~Sat~~ COLOR ~~(visual)~~	ORP ~~TURBIDITY~~ (NTU) mV	DTW (ft)
12.2.02	813	250mL	17.38	817	7.27	8.3/0.80	145.7	
	814	500mL	17.42	824	7.27	7.3/0.69	145.7	
	315	750mL	17.38	830	7.27	6.4/0.61	146.0	
	816	1.00L	17.79	835	7.27	5.4/0.31	146.1	
	817	1.25L	18.04	841	7.27	4.9/0.47	145.6	
	818	1.50L	18.15	844	7.27	5.1/0.56	145.7	
	819	1.75L	18.13	846	7.27	7.8/0.71	145.5	
	820	2.00L	18.19	848	7.26	7.7/0.73	145.5	
	~~821~~	~~2.25L~~						

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ SAMPLE TURBIDITY: ____N/A____

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

ODOR: none SAMPLE VESSEL / PRESERVATIVE: (3) VOAs

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
____ Well Wizard Bladder Pump	____ Bailer (Teflon)	____ WW Bladder Pump	____ Bailer (Teflon)
____ Active Extration Well Pump	____ Bailer (PVC or ___disp)	____ Sample Port	____ Bailer (___PVC or ___disposable)
____ Submersible Pump	____ Bailer (Stainless Steel)	____ Submersible Pump	____ Bailer (Stainless Steel)
___✓ Peristaltic Pump	____ Dedicated ____	___~~✓~~ Peristaltic Pump	____ Dedicated ____
Other: ____		Other: ____	
Pump Depth: ____			

WELL INTEGRITY: good LOCK#: ____

REMARKS: ___FOR WW PURGING: DISCHARGE TIME____,REFILL TIME____,AIR PRESSURE____

SIGNATURE: Mark Don Page ___ of ___

APPENDIX B

Laboratory Analytical Reports

Fourth Quarter 2002

Groundwater Monitoring Report

575 Paseo Grande

San Lorenzo, California

SECOR Project No. 05OT.50063.00.0003

March 21, 2003

SEVERN TRENT STL

Submission#: 2002-12-0090

SECOR- Lafayette

December 12, 2002

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 12/04/2002 16:25
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 01/18/2003 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

SEVERN TRENT STL

Submission #: 2002-12-0090

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: 12/04/2002 16:25

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	12/02/2002 10:00	Water	1
MW-2	12/02/2002 10:45	Water	2
MW-3	12/02/2002 11:30	Water	3
MW-4	12/02/2002 12:15	Water	4
MW-5	12/02/2002 09:30	Water	5
MW-6	12/02/2002 09:00	Water	6
MW-7	12/02/2002 08:30	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
Bohannon Development

Received: 12/04/2002 16:25

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: **MW-1**

Lab ID: 2002-12-0090 - 1

Sampled: 12/02/2002 10:00

Extracted: 12/10/2002 12:05

Matrix: Water

QC Batch#: 2002/12/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/10/2002 12:05	
Benzene	ND	0.50	ug/L	1.00	12/10/2002 12:05	
Toluene	ND	0.50	ug/L	1.00	12/10/2002 12:05	
Ethyl benzene	ND	0.50	ug/L	1.00	12/10/2002 12:05	
Xylene(s)	ND	0.50	ug/L	1.00	12/10/2002 12:05	
Surrogates(s)						
Trifluorotoluene	77.5	58-124	%	1.00	12/10/2002 12:05	
4-Bromofluorobenzene-FID	74.1	50-150	%	1.00	12/10/2002 12:05	

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: 12/04/2002 16:25

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: **MW-2**

Lab ID: 2002-12-0090 - 2

Sampled: 12/02/2002 10:45

Extracted: 12/10/2002 12:37

Matrix: Water

QC Batch#: 2002/12/10-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	250	ug/L	5.00	12/10/2002 12:37	g
Benzene	76	2.5	ug/L	5.00	12/10/2002 12:37	
Toluene	8.7	2.5	ug/L	5.00	12/10/2002 12:37	
Ethyl benzene	11	2.5	ug/L	5.00	12/10/2002 12:37	
Xylene(s)	17	2.5	ug/L	5.00	12/10/2002 12:37	
Surrogates(s)						
Trifluorotoluene	87.6	58-124	%	5.00	12/10/2002 12:37	
4-Bromofluorobenzene-FID	81.4	50-150	%	5.00	12/10/2002 12:37	

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: 12/04/2002 16:25

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-3**	Lab ID:	2002-12-0090 - 3
Sampled:	12/02/2002 11:30	Extracted:	12/9/2002 21:50
Matrix:	Water	QC Batch#:	2002/12/09-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5700	500	ug/L	10.00	12/09/2002 21:50	g
Benzene	650	5.0	ug/L	10.00	12/09/2002 21:50	
Toluene	17	5.0	ug/L	10.00	12/09/2002 21:50	
Ethyl benzene	37	5.0	ug/L	10.00	12/09/2002 21:50	
Xylene(s)	33	5.0	ug/L	10.00	12/09/2002 21:50	
Surrogates(s)						
Trifluorotoluene	73.3	58-124	%	1.00	12/09/2002 21:50	
4-Bromofluorobenzene-FID	81.3	50-150	%	1.00	12/09/2002 21:50	

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: 12/04/2002 16:25

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: **MW-4**

Lab ID: 2002-12-0090 - 4

Sampled: 12/02/2002 12:15

Extracted: 12/9/2002 22:22

Matrix: Water

QC Batch#: 2002/12/09-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5100	500	ug/L	10.00	12/09/2002 22:22	g
Benzene	250	5.0	ug/L	10.00	12/09/2002 22:22	
Toluene	8.9	5.0	ug/L	10.00	12/09/2002 22:22	
Ethyl benzene	26	5.0	ug/L	10.00	12/09/2002 22:22	
Xylene(s)	22	5.0	ug/L	10.00	12/09/2002 22:22	
Surrogates(s)						
Trifluorotoluene	81.6	58-124	%	1.00	12/09/2002 22:22	
4-Bromofluorobenzene-FID	84.1	50-150	%	1.00	12/09/2002 22:22	

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: 12/04/2002 16:25

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: **MW-5**

Lab ID: 2002-12-0090 - 5

Sampled: 12/02/2002 09:30

Extracted: 12/9/2002 22:12

Matrix: Water

QC Batch#: 2002/12/09-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/09/2002 22:12	
Benzene	ND	0.50	ug/L	1.00	12/09/2002 22:12	
Toluene	ND	0.50	ug/L	1.00	12/09/2002 22:12	
Ethyl benzene	ND	0.50	ug/L	1.00	12/09/2002 22:12	
Xylene(s)	ND	0.50	ug/L	1.00	12/09/2002 22:12	
Surrogates(s)						
Trifluorotoluene	94.9	58-124	%	1.00	12/09/2002 22:12	
4-Bromofluorobenzene-FID	91.7	50-150	%	1.00	12/09/2002 22:12	

SEVERN TRENT STL

Submission #: 2002-12-0090

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: 12/04/2002 16:25

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: **MW-6**

Lab ID: 2002-12-0090 - 6

Sampled: 12/02/2002 09:00

Extracted: 12/9/2002 22:36

Matrix: Water

QC Batch#: 2002/12/09-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/09/2002 22:36	
Benzene	ND	0.50	ug/L	1.00	12/09/2002 22:36	
Toluene	ND	0.50	ug/L	1.00	12/09/2002 22:36	
Ethyl benzene	ND	0.50	ug/L	1.00	12/09/2002 22:36	
Xylene(s)	ND	0.50	ug/L	1.00	12/09/2002 22:36	
Surrogates(s)						
Trifluorotoluene	95.9	58-124	%	1.00	12/09/2002 22:36	
4-Bromofluorobenzene-FID	92.3	50-150	%	1.00	12/09/2002 22:36	

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: 12/04/2002 16:25

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: **MW-7**

Lab ID: 2002-12-0090 - 7

Sampled: 12/02/2002 08:30

Extracted: 12/9/2002 23:01

Matrix: Water

QC Batch#: 2002/12/09-01.04

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/09/2002 23:01	
Benzene	ND	0.50	ug/L	1.00	12/09/2002 23:01	
Toluene	ND	0.50	ug/L	1.00	12/09/2002 23:01	
Ethyl benzene	ND	0.50	ug/L	1.00	12/09/2002 23:01	
Xylene(s)	ND	0.50	ug/L	1.00	12/09/2002 23:01	
Surrogates(s)						
Trifluorotoluene	96.6	58-124	%	1.00	12/09/2002 23:01	
4-Bromofluorobenzene-FID	93.2	50-150	%	1.00	12/09/2002 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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030
Method Blank **Water**
MB: 2002/12/09-01.04-008

Test(s): 8015M
QC Batch # 2002/12/09-01.04
Date Extracted: 12/09/2002 10:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/09/2002 10:15	
Benzene	ND	0.5	ug/L	12/09/2002 10:15	
Toluene	ND	0.5	ug/L	12/09/2002 10:15	
Ethyl benzene	ND	0.5	ug/L	12/09/2002 10:15	
Xylene(s)	ND	0.5	ug/L	12/09/2002 10:15	
Surrogates(s)					
Trifluorotoluene	99.4	58-124	%	12/09/2002 10:15	
4-Bromofluorobenzene-FID	93.6	50-150	%	12/09/2002 10:15	

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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030
Method Blank
MB: 2002/12/09-01.05-004

Water

Test(s): 8015M
QC Batch # 2002/12/09-01.05
Date Extracted: 12/09/2002 11:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/09/2002 08:36	
Benzene	ND	0.5	ug/L	12/09/2002 08:36	
Toluene	ND	0.5	ug/L	12/09/2002 08:36	
Ethyl benzene	ND	0.5	ug/L	12/09/2002 08:36	
Xylene(s)	ND	0.5	ug/L	12/09/2002 08:36	
Surrogates(s)					
Trifluorotoluene	87.0	58-124	%	12/09/2002 08:36	
4-Bromofluorobenzene-FID	77.6	50-150	%	12/09/2002 08:36	

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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030
Method Blank
MB: 2002/12/10-01.05-003

Water

Test(s): 8015M
QC Batch # 2002/12/10-01.05
Date Extracted: 12/10/2002 08:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/10/2002 08:03	
Benzene	ND	0.5	ug/L	12/10/2002 08:03	
Toluene	ND	0.5	ug/L	12/10/2002 08:03	
Ethyl benzene	ND	0.5	ug/L	12/10/2002 08:03	
Xylene(s)	ND	0.5	ug/L	12/10/2002 08:03	
Surrogates(s)					
Trifluorotoluene	85.4	58-124	%	12/10/2002 08:03	
4-Bromofluorobenzene-FID	81.6	50-150	%	12/10/2002 08:03	

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
Bohannon Development

Received: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2002/12/09-01.04**

LCS 2002/12/09-01.04-004 Extracted: 12/09/2002 Analyzed: 12/09/2002 08:38
LCSD 2002/12/09-01.04-005 Extracted: 12/09/2002 Analyzed: 12/09/2002 09:02

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	106	107	100.0	106.0	107.0	0.9	77-123	20		
Toluene	104	105	100.0	104.0	105.0	1.0	78-122	20		
Ethyl benzene	103	104	100.0	103.0	104.0	1.0	70-130	20		
Xylene(s)	302	304	300	100.7	101.3	0.6	75-125	20		
Surrogates(s)										
Trifluorotoluene	502	523	500	100.4	104.6		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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2002/12/09-01.04**

LCS 2002/12/09-01.04-006 Extracted: 12/09/2002 Analyzed: 12/09/2002 09:26
LCSD 2002/12/09-01.04-007 Extracted: 12/09/2002 Analyzed: 12/09/2002 09:50

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	539	502	500	107.8	100.4	7.1	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	506	487	500	101.2	97.4		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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2002/12/09-01.05**

LCS 2002/12/09-01.05-005 Extracted: 12/09/2002 Analyzed: 12/09/2002 09:08
LCSD 2002/12/09-01.05-006 Extracted: 12/09/2002 Analyzed: 12/09/2002 09:40

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	98.1	93.0	100.0	98.1	93.0	5.3	77-123	20		
Toluene	96.5	91.4	100.0	96.5	91.4	5.4	78-122	20		
Ethyl benzene	97.1	91.3	100.0	97.1	91.3	6.2	70-130	20		
Xylene(s)	291	275	300	97.0	91.7	5.6	75-125	20		
Surrogates(s)										
Trifluorotoluene	460	466	500	92.0	93.2		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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2002/12/09-01.05**

LCS 2002/12/09-01.05-007 Extracted: 12/09/2002 Analyzed: 12/09/2002 10:13
LCSD 2002/12/09-01.05-008 Extracted: 12/09/2002 Analyzed: 12/09/2002 10:45

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	545	520	500	109.0	104.0	4.7	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	449	474	500	89.8	94.8		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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2002/12/10-01.05**

LCS 2002/12/10-01.05-004 Extracted: 12/10/2002 Analyzed: 12/10/2002 08:35
LCSD 2002/12/10-01.05-005 Extracted: 12/10/2002 Analyzed: 12/10/2002 09:07

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	97.6	99.2	100.0	97.6	99.2	1.6	77-123	20		
Toluene	96.4	97.9	100.0	96.4	97.9	1.5	78-122	20		
Ethyl benzene	95.9	96.9	100.0	95.9	96.9	1.0	70-130	20		
Xylene(s)	287	289	300	95.7	96.3	0.6	75-125	20		
Surrogates(s)										
Trifluorotoluene	436	429	500	87.2	85.8		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: 12/04/2002 16:25

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2002/12/10-01.05**

LCS 2002/12/10-01.05-006 Extracted: 12/10/2002 Analyzed: 12/10/2002 09:39
LCSD 2002/12/10-01.05-007 Extracted: 12/10/2002 Analyzed: 12/10/2002 10:11

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	427	509	500	85.4	101.8	17.5	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	358	431	500	71.6	86.2		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: 12/04/2002 16:25

Legend and Notes

Result Flag

g

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

2002-12-0090 Chain-of Custody Number: 70608

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 #
Project Manager Neil Doran
Laboratory STL San Francisco
Turnaround Time Standard

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

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	12.2.02	1010	H_2O		X														W
MW-2		1045			X														W
MW-3		1130			X														W
MW-4		1215			X														W
MW-5		930			X														W
MW-6		900			x														W
MW-7		~~0830~~			x														W

Special Instructions/Comments:

4.0°C

Relinquished by:
Sign Neil Doran
Print Neil Doran
Company SECOR
Time ____ Date ____

Received by:
Sign [signature]
Print [illegible]
Company STL S.F
Time 1215 Date 12.04.02

Relinquished by:
Sign [signature]
Print [illegible]
Company STL S.F
Time 1625 Date 12/4/02

Received by:
Sign Denise Harrington
Print D. Harrington
Company STL SF
Time 1625 Date 12/4/02

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

Client:
Client Contact:
Client Phone:

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SEVERN TRENT SERVICES

Sample Receipt Checklist

STL San Francisco

Submission #: 2002- 12 - 0090

Checklist completed by: (initials) CR Date: 12/05/02

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: 4.0 °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: ____/____/02

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):