RO167

SECOR
International Incorporated

2001 GROUNDWATER MONITORING REPORT

575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

Job No. 007.03814

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring, sampling, and analysis conducted on February 28, 2001 and August 22, 2001 for the property located at 575 Paseo Grande, San Lorenzo, California (Site). The two semi-annual sampling events were conducted pursuant to an Alameda County Health Care Services Agency (ACHCSA) letter dated December 30, 1998 and as discussed in a meeting between ACHCSA and Bohannon representatives held on December 22, 1998. The previous groundwater monitoring and sampling event was conducted in December 2000.

The scope of work included sampling groundwater monitoring wells MW-1 through MW-7 for gasoline range total petroleum hydrocarbons (TPHg); dissolved inorganic lead; and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Samples collected on August 22, 2001 were also analyzed for methyl-tert-butyl-ether (MTBE).

1.1 BACKGROUND

Over the last 25 years, the Site has been used as an asphalt paved parking area located in a commercial area zoned as C1. 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 work conducted 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 (Figure 2). 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 conducted 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 (AOCs) at the Site. These areas were the former grease sump area and the former gasoline distribution system area. SECOR subsequently conducted excavation activities in the vicinity of the two AOCs. 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 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.

In June 1999, a utility trench survey was conducted around the Site, and a passive soil vapor survey was conducted in the downgradient direction 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. The results of the surveys suggested that soil vapor, possibly associated with known on-site impacts, are present in the subsurface to the southwest of the Site. Utility trenches in the area do not appear to be deep enough to influence groundwater flow.

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 also occurred. The purposes of the work were 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 (Work Plan) and the "Addendum to the Work Plan for Additional Groundwater Monitoring Well Installation" dated December 2, 1999 (Addendum). 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. The Addendum was submitted to address the ACHCSA comments and the work was subsequently performed assuming approval. The laboratory results indicate that two wells on-site (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) do not contain detectable levels of petroleum hydrocarbons, with the exception of well MW-7, which contained low levels of xylenes (1.5 µg/L).

2.0 2001 GROUNDWATER MONITORING

Groundwater depth-to-water monitoring and sampling activities for monitoring wells MW-1 through MW-7 were conducted at the Site on February 28, 2001 and August 22, 2001 pursuant to the December 22, 1998 request of the ACHCSA. The seven monitoring wells (MW-1 through MW-7) were gauged for depth-to-water and sampled on February 28, 2001 and August 22, 2001.

2.1 Water Level Gauging

Prior to purging and sampling, depth-to-water was measured from the top of each well casing, using a water-level indicator calibrated 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

All site monitoring wells were purged and sampled on February 28, 2001 and August 22, 2001. 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 less than 0.5 liters per minute. Temperature, conductivity, pH, turbidity, and dissolved oxygen were monitored during purging to confirm static water conditions, prior to sampling. Copies of the field data sheets are presented in Appendix A.

Samples were collected from each well using the dedicated tubing to eliminate the possibility of cross-contamination. Samples were placed in laboratory supplied sample containers, capped, labeled, and stored on ice pending delivery to STL Chromalab, Inc., a California state-certified laboratory. The groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by U.S. Environmental Protection Agency (EPA) Method 8015 (modified); and for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8020. Selected samples from the February event and all samples from the August event were analyzed for dissolved inorganic lead by EPA Method 6010B. All samples from the August event were analyzed for MTBE by EPA Method 8260.

3.0 RESULTS

3.1 2001 Groundwater Elevation Results

The average depth-to-water at the Site on February 28, 2001 was 5.14 feet below grade with an average water table elevation of 20.89 feet above mean sea level. The average groundwater surface elevation increased approximately 1.34 feet since the previous monitoring event in December of 2000. On August 22, 2001 the average depth-to-water was 6.95 feet below grade and the average groundwater surface elevation was 19.09 feet above mean sea level. This represents a decrease in the average groundwater surface elevation of approximately 1.80 feet since the previous monitoring event in February of 2001.

Potentiometric surface maps showing the interpreted groundwater surface elevation on February 28, 2001 and August 22, 2001 are presented as Figures 3 and 4, respectively. The hydraulic gradient across the Site for the February event was approximately 0.0023 feet per foot and was toward the southwest (Figure 3). During the August event, the hydraulic gradient across the Site ranged from approximately 0.0017 to 0.0022 feet per foot and was toward the west-northwest. These results are generally consistent with flow direction results obtained during the prior monitoring events. The groundwater flow direction beneath the Site is predominantly towards the west. As mentioned in previous reports, the flow direction beneath the Site is potentially tidally influenced by the San Francisco Bay.

3.2 2001 Groundwater Analytical Results

Table 2 presents historical groundwater laboratory analysis for the site, including the February 28, 2001 and August 22, 2001 sampling events. In general the results indicate that three of the seven wells are affected with elevated levels of petroleum hydrocarbons. The affected wells are MW-2, MW-3 and MW-4 and form a cluster centered at the southwest corner of the site. Wells MW-1, MW-5 and MW-6 did not contain detectable concentrations of any analytes during both sampling events. Copies of the laboratory analytical reports for groundwater samples are included in Appendix B.

The following provides a discussion regarding the analytical details:

3.2.1 BTEX

BTEX was present in wells MW-2, MW-3 and MW-4 in samples collected during February 2001 and August 2001. Benzene concentrations ranged from 120 µg/L in MW-2 to 850 µg/L in MW-3 in February 2001. In August 2001, benzene concentrations in these wells ranged from 75 µg/L in MW-2 to 1,600 µg/L in MW-3. Toluene, ethylbenzene and xylenes were also present in these samples at various concentrations. Concentrations in on-site well MW-2 are generally declining since 1996, while concentrations in MW-3 and MW-4 are generally stable.

3.2.2 TPH as Gasoline

During the February 28, 2001 sampling event, TPHg was present in MW-2 at 1,200 micrograms per liter (µg/L); in MW-3 at 3,600 µg/L; and in MW-4 at 3,400 µg/L. During the August 22, 2001 event, TPHg was detected in MW-2 at 990 micrograms per liter (µg/L); in MW-3 at 8,100 µg/L; and in MW-4 at 3,400 µg/L. Concentrations in on-site well MW-2 are generally declining since 1996, while concentrations in MW-3 and MW-4 are generally stable.

3.2.3 MTBE

Samples collected from monitoring wells MW-1 through MW-7 on August 22, 2001 were analyzed for MTBE. Concentrations in all samples were below the laboratory reporting limit.

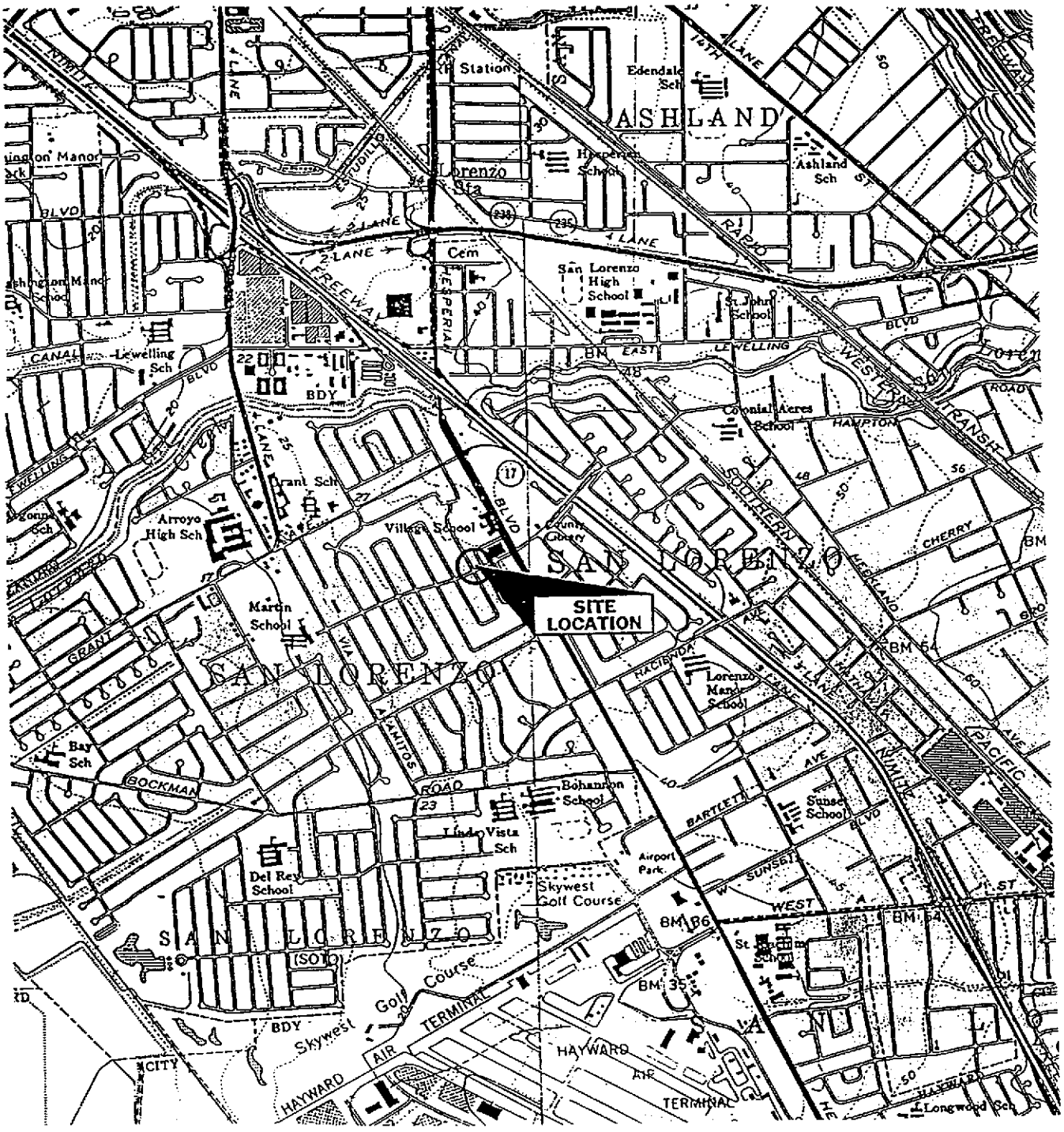
3.2.4 Dissolved Inorganic Lead

Dissolved inorganic lead analyses were performed on groundwater samples collected from the new wells (MW-4 through MW-7) in February 2001 and from all seven wells in August 2001. Concentrations in all samples were below the laboratory reporting limit of 0.0050 mg/L (5.0 µg/L).

4.0 FUTURE ACTIVITIES SCHEDULED

SECOR and Bohannon representatives are requesting a meeting with the ACHCSA to discuss any necessary additional requirements to obtain regulatory site closure. SECOR will be contacting the ACHCSA in the near future to schedule the meeting.

SAN LEANDRO AND HAYWARD QUADRANGLE
California
7.5 Minute Series (Topographic)

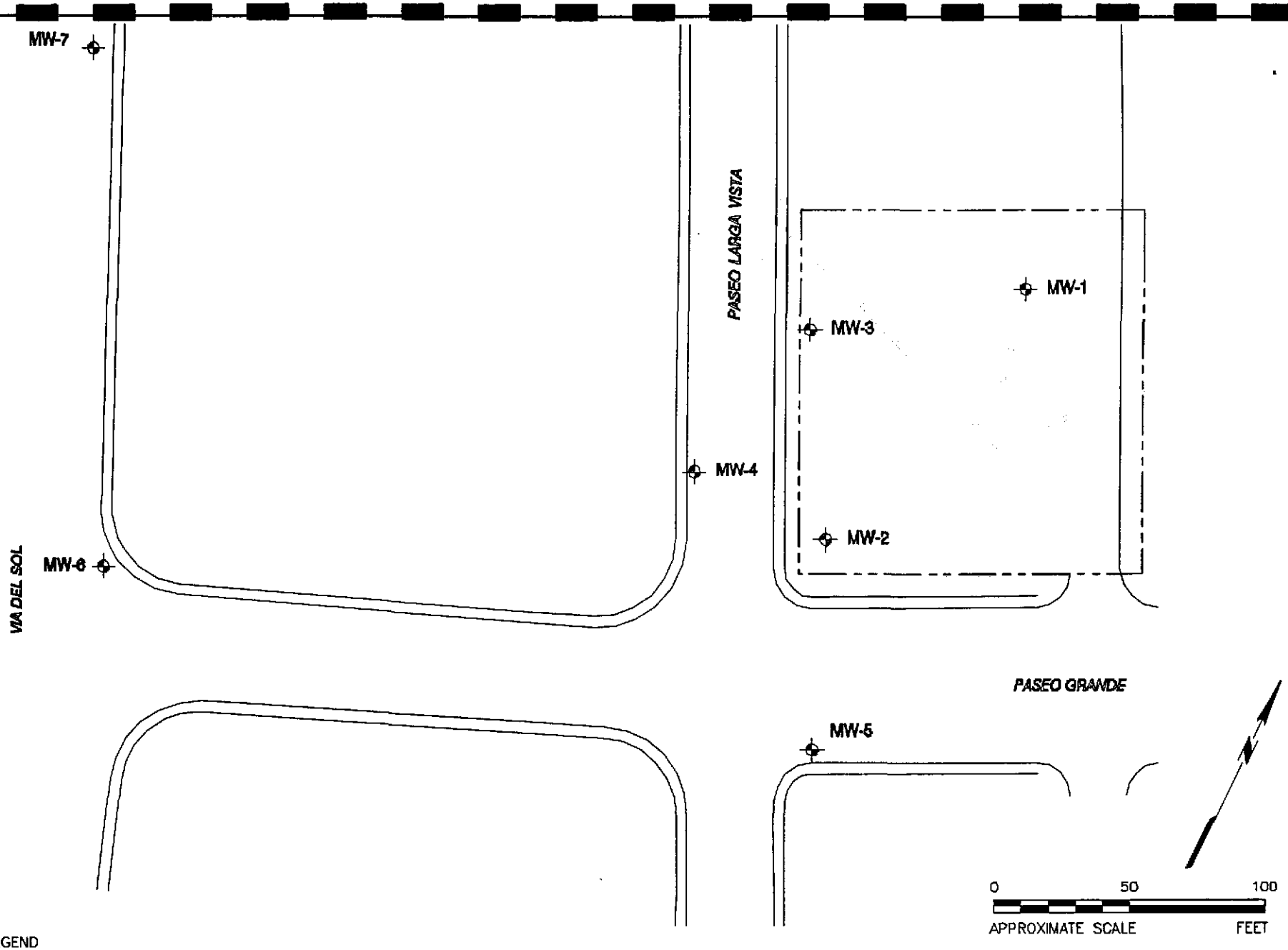


SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

DRAFTED BY: JLH	CHECKED BY: SM	PROJECT NO. 70074-001	FIGURE 1	*SECOR* 1390 Willow Pass Road Suite 360 Concord, CA 94520
DWG. DATE: 06-16-95	REV. DATE:	Bohannon Development Northeast corner of Paseo Grande and Paseo Largavista San Lorenzo, California	Site Location Map	
FILE NAME: slorenz.f01				



LEGEND

MW-6 EXISTING WELL LOCATION

APPROXIMATE PROPERTY LINE

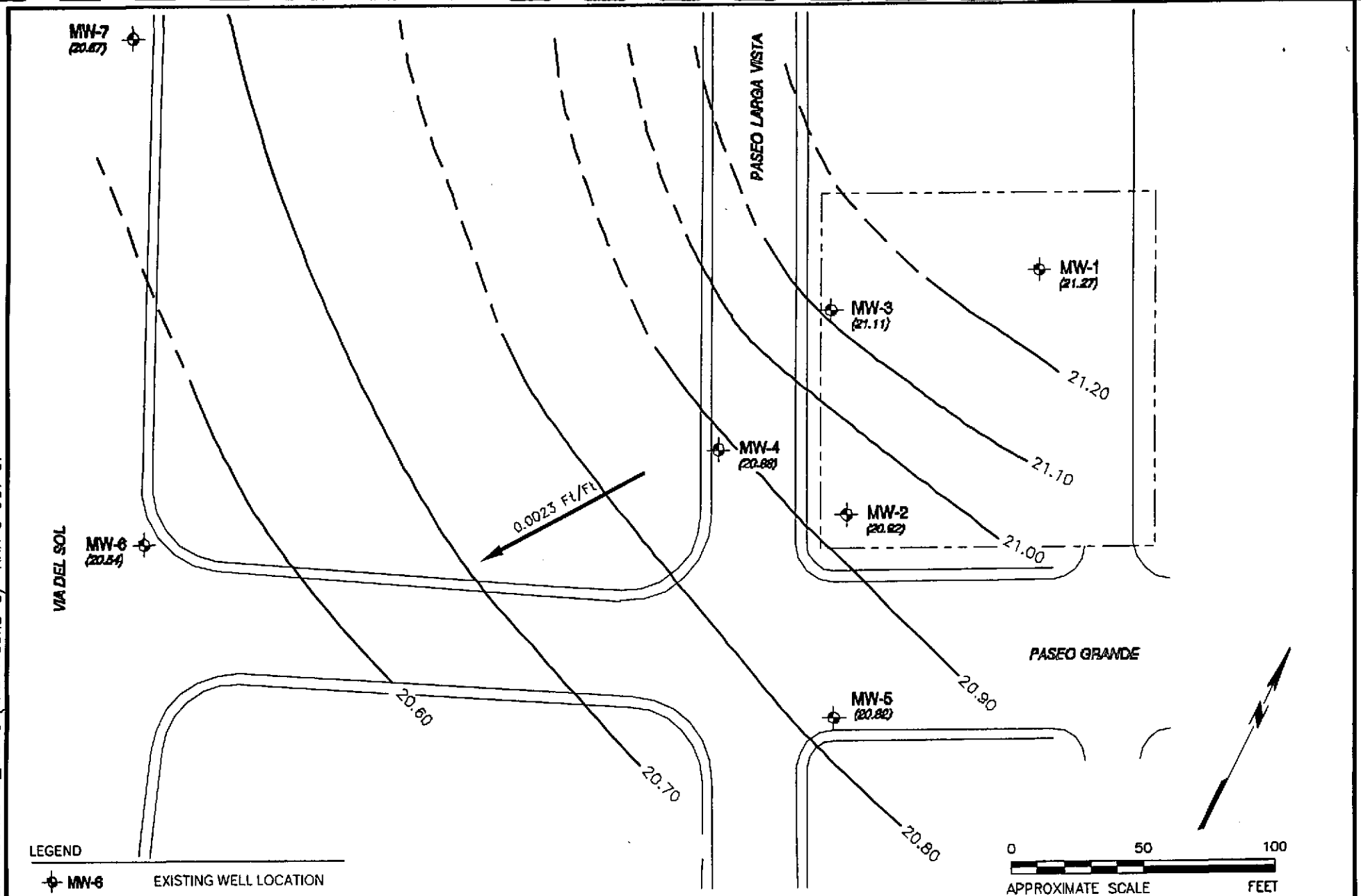
SECOR
International
Incorporated

DRAWN	PR
APPR	BR
DATE	21MAY2001
JOB NO.	007.03814.006

FIGURE 2

DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA
SITE PLAN

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



SECOR International Incorporated

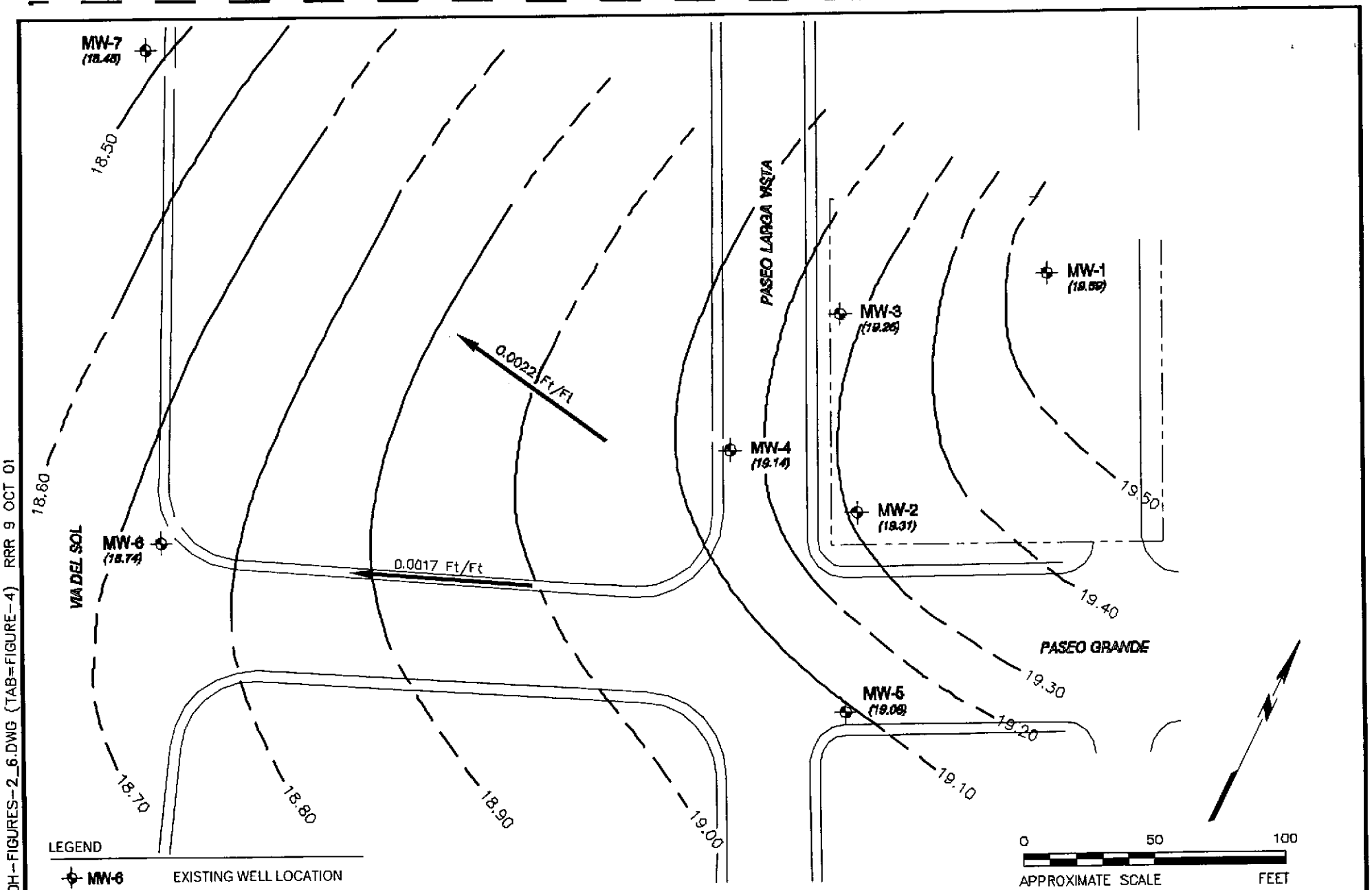
DRAWN	PR
APPR	BR
DATE	21MAY2001
JOB NO.	007.03814.006

FIGURE 3

DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

POTENTIOMETRIC SURFACE MAP
FEBRUARY 28, 2001

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



G:\CONCORD\BOH\BOH-FIGURES-2_6.DWG (TAB=FIGURE-4) RRR 9 OCT 01

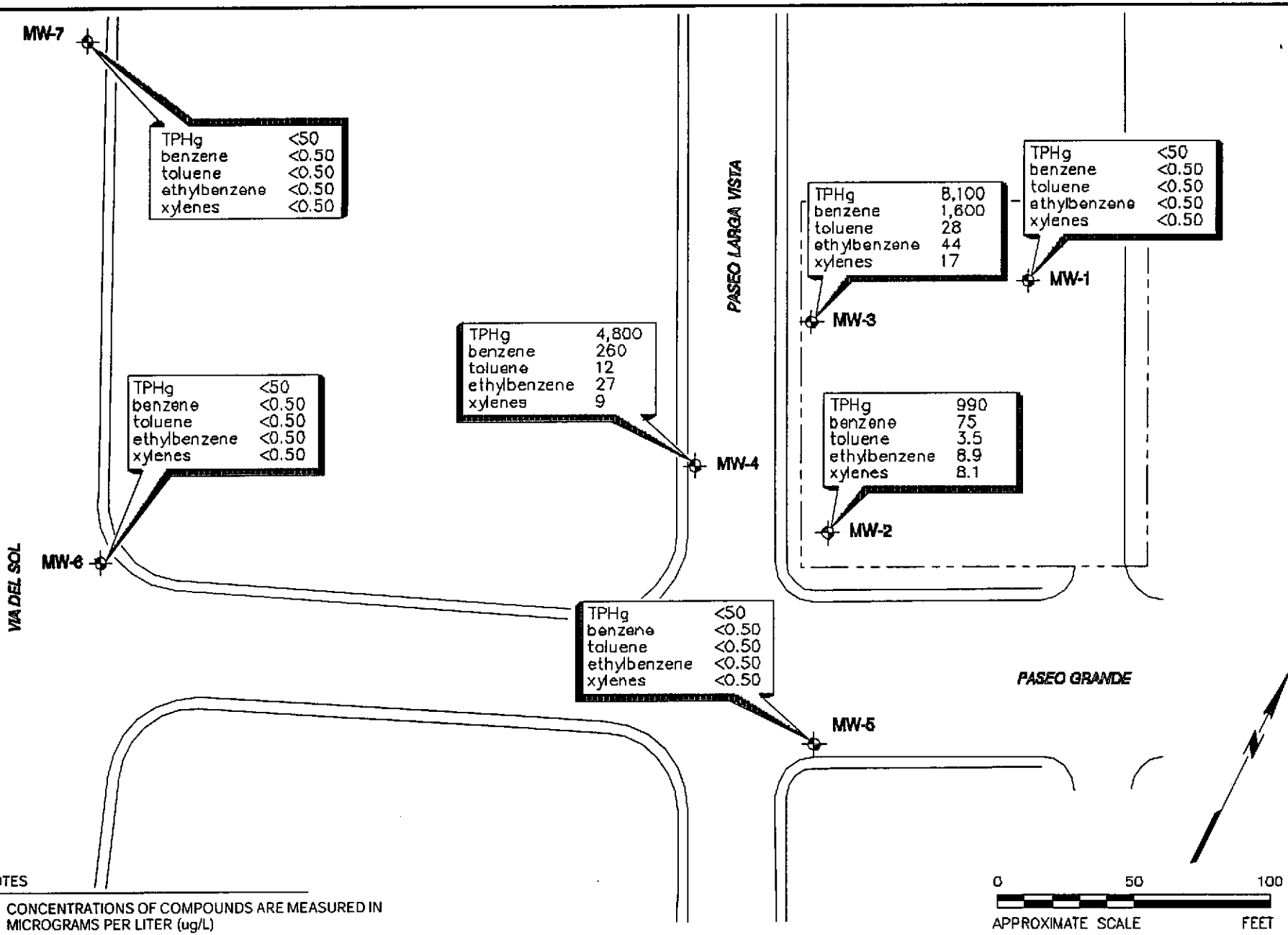
SECOR
International
Incorporated

DRAWN	PR
APPR	BR
DATE	21MAY2001
JOB NO.	007.03814.006

FIGURE 4

DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

POTENTIOMETRIC SURFACE MAP
AUGUST 22, 2001



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	PR
APPR	BR
DATE	21MAY2001
JOB NO.	007.03814.006

FIGURE 6

DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

CHEMICAL CONCENTRATIONS IN GROUNDWATER
AUGUST 22, 2001

G:\CONCORD\BOH\BOH-FIGURES-2_6.DWG (TAB=FIGURE-6) RRR 3 OCT 01

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

	[redacted] (ug/L)[P]	[redacted] (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	[redacted] (ug/L)	Chromium (ug/L)	Dissolved Inorganic Lead (ug/L)
MW-1								
17-May-96	1100	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)
MW-2								
17-May-96	23000	900	330	650	1500	NA	ND (<10)	ND (<50)
8-Oct-96	8400	530	ND (<50)	400	360	NA	NA	NA
1-Apr-97	7600	470	64	210	250	NA	NA	NA
12-Jun-97	8200	440	52	190	190	NA	NA	NA
10-Sep-97	8500	390	51[P]	220	240	NA	NA	NA
8-Jun-99	2100	240	8	33	40	ND (<10)	ND (<10)	33
13-Sep-99	1300	120	ND (<5.0)	ND (<5.0)	15	NA	NA	NA
21-Dec-99	1400	110	5.6	11	17	NA	NA	ND (<5.0)
17-Mar-00	1200	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	1200	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)
[redacted]								
17-May-96	6700	740	45	210	180	NA	ND (<10)	ND (<50)
8-Oct-96	1800	2700	240	910	970	NA	NA	NA
1-Apr-97	27000	520	50	520	450	NA	NA	NA
12-Jun-97	29000	2700	160	940	500	NA	NA	NA
10-Sep-97	290000	1300	3200	2800[P]	6900[P]	NA	NA	NA
8-Jun-99	1700	320	6.4	15	ND (<0.5)	ND (<10)	ND (<10)	24
13-Sep-99	5400	1000	ND (<20)	ND (<20)	ND (<20)	NA	NA	NA
21-Dec-99	8800	1400	63	17	23	NA	NA	ND (<5.0)
17-Mar-00	1500	190	ND (<5)	7.6	ND (<5)	ND (<50)	NA	ND (<5.0)
5-Dec-00	5400	790	20	7.4	10	NA	NA	NA
28-Feb-01	3600	850	15	25	10	NA	NA	NA
[redacted]	[redacted]	[redacted]	28	44	17	[redacted]	NA	ND (<5.0)
MW-4								
5-Dec-00	3900	320	13	41	31	NA	NA	ND (<5.0)
28-Feb-01	3400	250	14	44	22	NA	NA	ND (<5.0)
[redacted]	[redacted]	260	12	27	9	[redacted]	NA	ND (<5.0)
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)
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)
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)

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

DATE: 2-28-01 PROJECT: Bohannon PROJECT # 007.03814.004

EVENT: _____ SAMPLER: C. Melgaron

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	~~DTP~~ TD	PT	ELEV	
MW-1			5.71	14.40			
MW-2			5.81	14.70			
MW-3			5.44	13.00			
MW-4			4.99	15.15			
MW-5			4.95	14.95			
MW-6			4.35	14.55			
MW-7			4.76	14.70			
							opened all wells ~15 min prior to gauging

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 Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814 Purged By: CM Well I.D.: MW-1
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-1
Location: 575 Paseo Grande, San Lorenzo QA Samples: _____

Date Purged 2-28-01 Start (2400hr) 13:12 End (2400hr) 13:19
Date Sampled 2-28-01 Sample Time (2400hr) 13:20
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Depth to Bottom (feet) = 14.40 Purge (gal) = 0.7
Depth to Water (feet) = 5.71 Purge Rate (☒ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	ORP ~~Depth~~ (ft)
2-28	13:13	0.1	67.49	1022	7.23	cloudy	mod	-0.20	68.1
	13:14	0.2	67.53	1011	7.12	clear	low	-0.69	68.6
	13:15	0.3	67.70	1010	7.10	"	"	-0.89	69.7
	13:16	0.4	67.60	1009	7.09	"	"	-0.86	70.1
	13:17	0.5	67.53	1010	7.09	"	"	-0.85	70.4
	13:18	0.6	67.69	1008	7.08	"	"	-0.98	70.8
	13:19	0.7	67.77	1010	7.08	"	"	-1.06	71.1

SAMPLE INFORMATION

Sample Depth to Water: 5.73 Sample Turbidity: low

Analyses: TPHg / BTEX
Odor: none Sample Vessel/Preservative: 3 VOAs

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: _____
Pump Depth: 12'

SAMPLING EQUIPMENT

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

Well Integrity: good Lock #: Dolphin

Remarks: _____

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: _____ Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814 Purged By: CM Well I.D.: MW-2
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-2
Location: 575 Paseo Grande, San Lorenzo QA Samples: -

Date Purged 2-28-01 Start (2400hr) 14:22 End (2400hr) 14:29
Date Sampled 2-28-01 Sample Time (2400hr) 14:30
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 14.70 Purge (gal) = 0.8
Depth to Water (feet) = 5.81 Purge Rate (☒ gal or ☐ liter/min) 0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	ORP ~~Depth~~ (ft)
2-28	14:23	0.2	68.94	1458	6.89	Clear	low	-0.41	-88.0
	14:24	0.3	68.77	1457	6.83	"	"	-0.49	-91.2
	14:25	0.4	69.11	1448	6.81	"	"	-0.54	-90.7
	14:26	0.5	68.98	1450	6.80	"	"	-0.63	-91.5
	14:27	0.6	68.87	1445	6.81	"	"	-0.54	-90.6
	14:28	0.7	68.97	1443	6.80	"	"	-0.60	-90.6
	14:29	0.8	68.97	1442	6.81	"	"	-0.64	-90.9

SAMPLE INFORMATION

Sample Depth to Water: 5.84 Sample Turbidity: low

Analyses: TPHg / BTEX
Odor: Strong Sample Vessel/Preservative: 3 VOAs

PURGING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)
___Centrifugal Pump ___Bailer (PVC)
___Submersible Pump ___Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____
Pump Depth: 12'

SAMPLING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)
___Centrifugal Pump ___Bailer (PVC or disposable)
___Submersible Pump ___Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____

Well Integrity: good Lock #: 0909

Remarks: replaced J-plug & lock

NOTE: Sample after three consecutive readings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814 Purged By: CM Well I.D.: MW-3
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-3
Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 2-28-01 Start (2400hr) 13:52 End (2400hr) 13:59
Date Sampled 2-28-01 Sample Time (2400hr) 14:00
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 13.00 Purge (gal) = 0.8
Depth to Water (feet) = 5.44 Purge Rate (☒ gal or ☐ liter/min) 0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	ORP Depth (ft)
2-28	13:53	0.2	67.03	1389	6.88	Clear	low	-0.64	-126.0
	13:54	0.3	67.04	1392	6.85	"	"	-0.71	-127.2
	13:55	0.4	66.76	1393	6.85	"	"	-0.73	-127.4
	13:56	0.5	66.67	1395	6.84	"	"	-0.73	-127.9
	13:57	0.6	66.66	1397	6.84	"	"	-0.74	-128.3
	13:58	0.7	66.75	1396	6.84	"	"	-0.73	-128.5
	13:59	0.8	66.68	1399	6.84	"	"	-0.73	-129.2

SAMPLE INFORMATION

Sample Depth to Water: 5.49 Sample Turbidity: low

Odor: moderate Analyses: TPHg / BTEX
Sample Vessel/Preservative: 3 Voas

PURGING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)
___Centrifugal Pump ___Bailer (PVC)
___Submersible Pump ___Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____
Pump Depth: 12'

SAMPLING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)
___Centrifugal Pump ___Bailer (PVC or disposable)
___Submersible Pump ___Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____

Well Integrity: good Lock #: 0909

Remarks: replaced lock

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814 Purged By: CM Well I.D.: MW-4
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-4
Location: 575 Paseo Grande, San Lorenzo QA Samples: _____

Date Purged 2-28-01 Start (2400hr) 12:22 End (2400hr) 12:29
Date Sampled 2-28-01 Sample Time (2400hr) 12:30
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Depth to Bottom (feet) = 15.15 Purge (gal) = 0.8
Depth to Water (feet) = 4.99 Purge Rate (☒ gal or ☐ liter/min) 0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	ORP ~~Depth~~ (ft)
2-28	12:23	0.2	65.42	863	6.86	Clear	low	0.45	-43.1
	12:24	0.3	65.65	870	6.78	"	"	0.10	-50.8
	12:25	0.4	65.60	871	6.75	"	"	0.06	-53.3
	12:26	0.5	65.62	867	6.74	"	"	0.04	-55.2
	12:27	0.6	65.67	869	6.75	"	"	0.01	-56.4
	12:28	0.7	65.59	868	6.74	"	"	-0.01	-57.5
↓	12:29	0.8	65.45	862	6.74	"	"	-0.03	-57.9

SAMPLE INFORMATION

Sample Depth to Water: 5.03 Sample Turbidity: low

Odor: Strong Analyses: TPHg / BTEX + lead
Sample Vessel/Preservative: 3 VOAs + 500 ml plastic

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: _____
Pump Depth: 12'

SAMPLING EQUIPMENT

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

Well Integrity: good Lock #: Dolphin

Remarks: _____

NOTE: Sample after three consecutive readings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: _____ Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814 Purged By: CM Well I.D.: MW-5
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-5
Location: 575 Paseo Grande, San Lorenzo QA Samples: _____

Date Purged 2-28-01 Start (2400hr) 11:23 End (2400hr) 11:29
Date Sampled 2-28-01 Sample Time (2400hr) 11:30
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Depth to Bottom (feet) = 14.35 Purge (gal) = 0.7
Depth to Water (feet) = 4.95 Purge Rate (☒ gal or ☐ liter/min) 0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	~~Depth~~ ORP (ft)
2-28	11:24	0.2	64.77	599	7.47	Cloudy	mod	0.88	281.3
	11:25	0.3	64.90	597	7.28	Clear	low	0.39	282.1
	11:26	0.4	65.06	600	7.33	"	"	0.07	282.3
	11:27	0.5	65.04	601	7.33	"	"	0.04	282.0
	11:28	0.6	65.06	600	7.33	"	"	0.01	282.3
↓	11:29	0.7	65.14	600	7.33	"	"	0.00	282.3

SAMPLE INFORMATION

Sample Depth to Water: 4.99 Sample Turbidity: low

Odor: none Analyses: TPHg / BTEX + lead
Sample Vessel/Preservative: 3 VOAs + 500 ml 1/4 SH2

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: _____
Pump Depth: 12'

SAMPLING EQUIPMENT

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

Well Integrity: good Lock #: Dolphin

Remarks: _____

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814 | Purged By: CM | Well I.D.: MW-6
Client Name: Bohannon | Sampled By: CM | Sample I.D.: MW-6
Location: 575 Paseo Grande, San Lorenzo | QA Samples: _____

Date Purged 2-28-01 | Start (2400hr) 10:37 | End (2400hr) 10:39
Date Sampled 2-28-01 | Sample Time (2400hr) 10:40
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 14.55 | Purge (gal) = 0.7
Depth to Water (feet) = 4.35 | Purge Rate (☒ gal or ☐ liter/min) 0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	ORP ~~Depth~~ (ft)
2-28	10:34	0.2	63.25	597	7.16	Cloudy	mod.	-0.11	264.2
	10:35	0.3	63.35	576	7.06	Clear	low	-0.48	269.9
	10:36	0.4	63.21	582	7.05	"	"	-0.58	270.4
	10:37	0.5	63.17	584	7.06	"	"	-0.61	271.2
	10:38	0.6	63.28	580	7.05	"	"	-0.61	270.9
↓	10:39	0.7	63.32	583	7.05	"	"	-0.62	270.4

SAMPLE INFORMATION

Sample Depth to Water: 4.38 | Sample Turbidity: low

Analyses: TPHg / BTEX + lead
Odor: none | Sample Vessel/Preservative: 3 VOAs + 500 ml plastic

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: _____
Pump Depth: 12'

SAMPLING EQUIPMENT

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

Well Integrity: good | Lock #: Dolphin

Remarks: _____

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: _____ Page ___ of ___

SECOR International Incorporated

WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814 Purged By: CM Well I.D.: MW-7

Client Name: Bohannon Sampled By: CM Sample I.D.: MW-7

Location: 575 Paseo Grande, San Lorenzo QA Samples: _____

Date Purged 2-28-01 Start (2400hr) 9:51 End (2400hr) 9:59

Date Sampled 2-28-01 Sample Time (2400hr) 10:00

Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____

Depth to Bottom (feet) = 14.70 Purge (gal) = 0.8

Depth to Water (feet) = 4.76 Purge Rate (☒ gal or ☐ liter/min) 0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees F)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	ORP ~~Depth~~ (ft)
2-28	9:52	0.1	61.41	849	7.16	Cloudy	mod	-0.19	222.3
	9:53	0.2	61.78	828	7.13	Clear	low	-0.49	231.8
	9:54	0.3	61.89	823	7.14	"	"	-0.56	234.7
	9:55	0.4	61.88	819	7.15	"	"	-0.59	236.4
	9:56	0.5	61.83	822	7.13	"	"	-0.59	236.9
	9:57	0.6	61.87	821	7.13	"	"	-0.61	237.3
	9:58	0.7	61.91	816	7.14	"	"	-0.62	237.9
↓	9:59	0.8	61.98	814	7.14	"	"	-0.62	238.4

SAMPLE INFORMATION

Sample Depth to Water: 4.79 Sample Turbidity: low

Odor: None Analyses: TPHg / BTEX + lead

Sample Vessel/Preservative: 3 Voas + 500 ml plastic

PURGING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)

___Centrifugal Pump ___Bailer (PVC)

___Submersible Pump ___Bailer (Stainless Steel)

X Peristaltic Pump X Dedicated tube

Other: _____

Pump Depth: 12'

SAMPLING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)

___Centrifugal Pump ___Bailer (PVC or disposable)

___Submersible Pump ___Bailer (Stainless Steel)

X Peristaltic Pump X Dedicated tube

Other: _____

Well Integrity: good Lock #: Bolpha

Remarks: _____

NOTE: Sample after three consecutive roadings are within:

pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: _____ Page ___ of ___

DATE: 8-22-01 PROJECT: Bohannon PROJECT # 007.03814.004

EVENT: _____ SAMPLER: C. Melancon

WELL OR LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	~~DTP~~ TD	PT	ELEV	
MW-1			7.39	14.40			
MW-2			7.42	14.70			
MW-3			7.29	13.00			
MW-4			6.73	15.15			
MW-5			6.69	14.95			
MW-6			6.15	14.55			
MW-7			6.95	14.70			
							opened all wells on 15 min prior to gauging

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 Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814.004 Purged By: CM Well I.D.: MW-1
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-1
Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 8-22-01 Start (2400hr) 11:34 End (2400hr) 12:48
Date Sampled 8-22-01 Sample Time (2400hr) 12:50
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 14.40 Purge (gal) = 1.4
Depth to Water (feet) = 7.39 Purge Rate (☒ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
8-22	12:36	0.2	24.80	1438	7.01	Clear	54.5	1.02	7.51
	12:38	0.4	24.00	1420	6.96	"	46.0	0.61	7.51
	12:40	0.6	24.06	1417	6.96	"	18.7	0.62	7.51
	12:42	0.8	23.97	1410	6.96	"	22.2	0.58	7.51
	12:44	1.0	23.86	1402	6.96	"	11.0	0.56	7.51
	12:46	1.2	23.78	1396	6.96	"	10.7	0.54	7.51
	12:48	1.4	23.73	1390	6.96	"	12.5	0.53	7.51

SAMPLE INFORMATION

Sample Depth to Water: 7.51 Sample Turbidity: 12.5
Analyses: TPHg/BTEX/MtBE/lead
Odor: Faint Sample Vessel/Preservative: ____

PURGING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)
___Centrifugal Pump ___Bailer (PVC)
___Submersible Pump ___Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____
Pump Depth: 12'

SAMPLING EQUIPMENT

___Bladder Pump ___Bailer (Teflon)
___Centrifugal Pump ___Bailer (PVC or disposable)
___Submersible Pump ___Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____

Well Integrity: good Lock #: Polyglin

Remarks: ORP = 266 mV

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814.004 Purged By: CM Well I.D.: MW-2
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-2
Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 8-22-01 Start (2400hr) 13:06 End (2400hr) 13:18
Date Sampled 8-22-01 Sample Time (2400hr) 13:20
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 14.70 Purge (gal) = 1.2
Depth to Water (feet) = 7.42 Purge Rate (☒ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
8-22	13:08	0.2	24.85	1613	6.80	Clear	18.6	0.91	7.53
	13:10	0.4	24.40	1595	6.74	"	17.8	0.68	7.58
	13:12	0.6	24.08	1563	6.72	"	12.8	0.61	7.58
	13:14	0.8	24.00	1542	6.71	"	6.0	0.59	7.58
	13:16	1.0	23.91	1532	6.70	"	13.3	0.56	7.58
	13:18	1.2	23.79	1527	6.70	"	15.9	0.56	7.58

SAMPLE INFORMATION

Sample Depth to Water: 7.58 Sample Turbidity: 15.9

Analyses: TPHg/BTEX/MtBE/lead

Odor: moderate Sample Vessel/Preservative: ____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____
Pump Depth: 12'

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC or disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____

Well Integrity: good Lock #: 0909

Remarks: ORP = 8.2 mV

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: ____ Page ___ of ___

SECOR International Incorporated

WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814.004 Purged By: CM Well I.D.: MW-3

Client Name: Bohannon Sampled By: CM Sample I.D.: MW-3

Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 8-22-01 Start (2400hr) 13:44 End (2400hr) 13:58

Date Sampled 8-22-01 Sample Time (2400hr) 14:00

Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 13.00 Purge (gal) = 1.4

Depth to Water (feet) = 7.29 Purge Rate (☒ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
8-22	13:46	0.2	23.64	1528	6.80	Clear	13.5	1.15	7.51
	13:48	0.4	24.01	1541	6.72	"	13.8	0.83	8.01
	13:50	0.6	24.10	1549	6.71	"	52.1	0.60	8.09
	13:52	0.8	24.08	1553	6.71	"	47.0	0.58	8.11
	13:54	1.0	24.04	1556	6.71	"	42.8	0.56	8.12
	13:56	1.2	24.00	1560	6.71	"	56.9	0.56	8.12
↓	13:58	1.4	23.97	1566	6.71	"	78.3	0.55	8.12

SAMPLE INFORMATION

Sample Depth to Water: 8.12 Sample Turbidity: 78.3

Odor: moderate Analyses: TPHg/BTEX/MtBE/lead

Sample Vessel/Preservative: ____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)

___ Centrifugal Pump ___ Bailer (PVC)

___ Submersible Pump ___ Bailer (Stainless Steel)

X Peristaltic Pump X Dedicated tube

Other: ____

Pump Depth: 12'

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)

___ Centrifugal Pump ___ Bailer (PVC or disposable)

___ Submersible Pump ___ Bailer (Stainless Steel)

X Peristaltic Pump X Dedicated tube

Other: ____

Well Integrity: good Lock #: 0909

Remarks: ORP = -99.8 mV

NOTE: Sample after three consecutive roadings are within:

pH - ± 0.1, turbidity and DO = ± 10%; conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated

WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814.004 Purged By: CM Well I.D.: MW-4

Client Name: Bohannon Sampled By: CM Sample I.D.: MW-4

Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 8-22-01 Start (2400hr) 11:24 End (2400hr) 11:38

Date Sampled 8-22-01 Sample Time (2400hr) 11:40

Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 15.15 Purge (gal) = 1.4

Depth to Water (feet) = 6.73 Purge Rate (☒ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
8-22	11:26	0.2	21.72	1026	6.84	clear	9.5	1.21	6.82
	11:28	0.4	21.30	1015	6.72	"	13.8	0.70	6.84
	11:30	0.6	20.84	1007	6.70	"	11.1	0.61	6.84
	11:32	0.8	21.03	1011	6.69	"	8.6	0.56	6.84
	11:34	1.0	21.03	1009	6.69	"	6.4	0.53	6.84
	11:36	1.2	21.06	1010	6.68	"	5.7	0.52	6.84
	11:38	1.4	20.97	1007	6.69	"	5.3	0.52	6.84

SAMPLE INFORMATION

Sample Depth to Water: 6.8c/ Sample Turbidity: 5.3

Analyses: TPHg/BTEX/MtBE/lead

Odor: Moderate Sample Vessel/Preservative: ____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)

___ Centrifugal Pump ___ Bailer (PVC)

___ Submersible Pump ___ Bailer (Stainless Steel)

X Peristaltic Pump X Dedicated tube

Other: ____

Pump Depth: 12'

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)

___ Centrifugal Pump ___ Bailer (PVC or disposable)

___ Submersible Pump ___ Bailer (Stainless Steel)

X Peristaltic Pump X Dedicated tube

Other: ____

Well Integrity: good Lock #: 0909

Remarks: ORP = -10.6 mV

NOTE: Sample after three consecutive readings are within:

pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814.004 Purged By: CM Well I.D.: MW-5
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-5
Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 8-22-01 Start (2400hr) 10:32 End (2400hr) 10:48
Date Sampled 8-22-01 Sample Time (2400hr) 10:50
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 14.35 Purge (gal) = 1.6
Depth to Water (feet) = 6.69 Purge Rate (☐ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
8-22	10:34	0.2	23.51	942	7.39	Clear	14.9	1.51	6.76
	10:36	0.4	23.12	935	7.37	"	14.0	0.75	6.79
	10:38	0.6	22.70	943	7.29	"	14.1	0.54	6.81
	10:40	0.8	22.54	953	7.24	"	6.8	0.51	6.81
	10:42	1.0	22.37	953	7.23	"	11.3	0.49	6.81
	10:44	1.2	22.29	960	7.20	"	23.7	0.47	6.81
	10:46	1.4	22.22	963	7.20	"	27.2	0.47	6.81
↓	10:48	1.6	22.26	964	7.19	"	29.7	0.47	6.81

SAMPLE INFORMATION

Sample Depth to Water: 6.81 Sample Turbidity: 29.7
Analyses: TPHg/BTEX/MtBE/lead
Odor: none Sample Vessel/Preservative: ____

PURGING EQUIPMENT

____ Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump ____ Bailer (PVC)
____ Submersible Pump ____ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____
Pump Depth: 12'

SAMPLING EQUIPMENT

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

Well Integrity: good Lock #: Dolphin

Remarks: ORP = 367 mV

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814.004 Purged By: CM Well I.D.: MW-6
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-6
Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 8-22-01 Start (2400hr) 9:04 End (2400hr) 9:18
Date Sampled 8-22-01 Sample Time (2400hr) 9:20
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 14.55 Purge (gal) = 1.4
Depth to Water (feet) = 6.15 Purge Rate (☒ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
8-22	9:06	0.2	21.22	790	6.98	Clear	58.6	0.95	6.20
	9:08	0.4	21.23	795	7.00	"	53.9	0.87	6.19
	9:10	0.6	21.37	793	7.01	"	61.3	0.75	6.19
	9:12	0.8	21.30	790	7.01	Cloudy	93.5	0.64	6.20
	9:14	1.0	21.30	789	7.01	"	125	0.59	6.20
	9:16	1.2	21.31	788	7.01	"	135	0.58	6.20
	9:18	1.4	21.30	789	7.01	"	143	0.58	6.20

SAMPLE INFORMATION

Sample Depth to Water: 6.20 Sample Turbidity: 143
Analyses: TPHg/BTEX/MtBE/lead
Odor: none Sample Vessel/Preservative: ____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____
Pump Depth: 12'

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC or disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____

Well Integrity: good Lock #: 0909

Remarks: ORP = 390 mV

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

SECOR International Incorporated
WATER SAMPLE FIELD DATA SHEET

Project #: 007.03814.004 Purged By: CM Well I.D.: MW-7
Client Name: Bohannon Sampled By: CM Sample I.D.: MW-7
Location: 575 Paseo Grande, San Lorenzo QA Samples: —

Date Purged 8-22-01 Start (2400hr) 9:46 End (2400hr) 9:58
Date Sampled 8-22-01 Sample Time (2400hr) 10:00
Sample Type: ☒ Groundwater ☐ Other

Casing Diameter 2" X 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Depth to Bottom (feet) = 14.70 Purge (gal) = 1.2
Depth to Water (feet) = 6.95 Purge Rate (☒ gal or ☐ liter/min) ~0.1

FIELD MEASUREMENTS

Date	Time (2400hr)	Volume (gal)	Temp. (degrees C)	Conductivity (µmhos/cm)	pH (units)	Color (visual)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
8-22	9:48	0.2	19.25	924	7.13	Clear	43.4	0.89	7.00
	9:50	0.4	19.03	918	7.12	Cloudy	140	0.66	7.00
	9:52	0.6	18.96	914	7.11	Clear	48.2	0.58	7.00
	9:54	0.8	18.98	912	7.10	"	66.4	0.52	7.00
	9:56	1.0	18.90	910	7.10	"	71.8	0.51	7.00
	9:58	1.2	18.86	909	7.10	"	80.8	0.50	7.00

SAMPLE INFORMATION

Sample Depth to Water: 7.00 Sample Turbidity: 80.8
Analyses: TPHg / BTEX / MTBE / lead
Odor: none Sample Vessel/Preservative: ____

PURGING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____
Pump Depth: 12'

SAMPLING EQUIPMENT

___ Bladder Pump ___ Bailer (Teflon)
___ Centrifugal Pump ___ Bailer (PVC or disposable)
___ Submersible Pump ___ Bailer (Stainless Steel)
X Peristaltic Pump X Dedicated tube
Other: ____

Well Integrity: good Lock #: 0909

Remarks: ORP = 391 mV

NOTE: Sample after three consecutive roadings are within:
pH - ± 0.1, turbidity and DO = ± 10%, conductivity = ± 3%.

Signature: [signature] Page ___ of ___

Chain-of Custody Number: 61116

SECOR Chain-of Custody Record

Field Office: Concord
Address: 1390 Willow Pass Rd., #360
Concord, CA 94520

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

Job Name: Bohannon
Location: 575 Pasro Grande
San Lorenzo, CA

Project # 007.03814.004 Task #
Project Manager Bob Robitaille
Laboratory Chromalab
Turnaround Time Standard

Sampler's Name Charles Melancon
Sampler's Signature

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-G/MTBE 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	Lead *		Comments/ Instructions	Number of Containers
MW-6	8-22-01	9:20	Water		X											X			4
MW-7		10:00			X											X			4
MW-5		10:50			X											X			4
MW-4		11:40			X											X			4
MW-1		12:50			X											X			4
MW-2		13:20			X											X			5
MW-3		14:00			X											X			4

Special Instructions/Comments:
* Filter and preserve all plastics for Metals within 24 hrs.

Relinquished by:
Sign
Print Charles Melancon
Company SECOR
Time 15:30 Date 8-22-01

Received by:
Sign
Print
Company
Time Date

Relinquished by:
Sign
Print
Company
Time Date

Received by:
Sign M. McCallum
Print SA McCallum
Company STL, CL
Time 15:30 Date 8/22/01

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

Client:
Client Contact:
Client Phone:

SECOR CUSTREC Rev. 2/99

Date: 8 / 22 / 01 Page 1 of 1

APPENDIX B
Laboratory Analytical Reports

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0509

Gas/BTEX

SECOR-Concord

Attn: Bob Robitaille

Project #: 007.03814

1390 Willow Pass Road, Suite 360
Concord, CA 94520-5250

Phone: (925) 686-9780 Fax: (925) 686-3099

Project: Bohannon

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/28/2001 13:20	1
MW-2	Water	02/28/2001 14:30	2
MW-3	Water	02/28/2001 14:00	3
MW-4	Water	02/28/2001 12:30	4
MW-5	Water	02/28/2001 11:30	5
MW-6	Water	02/28/2001 10:40	6
MW-7	Water	02/28/2001 10:00	7

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-1**	Lab Sample ID:	**2001-02-0509-001**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/06/2001 01:06
Sampled:	02/28/2001 13:20	QC-Batch:	2001/03/05-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/06/2001 01:06	
Benzene	ND	0.50	ug/L	1.00	03/06/2001 01:06	
Toluene	ND	0.50	ug/L	1.00	03/06/2001 01:06	
Ethyl benzene	ND	0.50	ug/L	1.00	03/06/2001 01:06	
Xylene(s)	ND	0.50	ug/L	1.00	03/06/2001 01:06	
Surrogate(s)						
Trifluorotoluene	102.6	58-124	%	1.00	03/06/2001 01:06	
4-Bromofluorobenzene-FID	78.4	50-150	%	1.00	03/06/2001 01:06	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-2**	Lab Sample ID:	**2001-02-0509-002**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/06/2001 10:55
Sampled:	02/28/2001 14:30	QC-Batch:	2001/03/06-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1200	50	ug/L	1.00	03/06/2001 10:55	g
Benzene	120	0.50	ug/L	1.00	03/06/2001 10:55	
Toluene	7.1	0.50	ug/L	1.00	03/06/2001 10:55	
Ethyl benzene	19	0.50	ug/L	1.00	03/06/2001 10:55	
Xylene(s)	27	0.50	ug/L	1.00	03/06/2001 10:55	
Surrogate(s)						
Trifluorotoluene	83.4	58-124	%	1.00	03/06/2001 10:55	
4-Bromofluorobenzene-FID	96.0	50-150	%	1.00	03/06/2001 10:55	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-3**	Lab Sample ID:	**2001-02-0509-003**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/06/2001 02:43
Sampled:	02/28/2001 14:00	QC-Batch:	2001/03/05-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	3600	500	ug/L	10.00	03/06/2001 02:43	g
Benzene	850	5.0	ug/L	10.00	03/06/2001 02:43	
Toluene	15	5.0	ug/L	10.00	03/06/2001 02:43	
Ethyl benzene	25	5.0	ug/L	10.00	03/06/2001 02:43	
Xylene(s)	10	5.0	ug/L	10.00	03/06/2001 02:43	
Surrogate(s)						
Trifluorotoluene	94.2	58-124	%	1.00	03/06/2001 02:43	
4-Bromofluorobenzene-FID	84.2	50-150	%	1.00	03/06/2001 02:43	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0509

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-4**	Lab Sample ID:	**2001-02-0509-004**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/06/2001 03:15
Sampled:	02/28/2001 12:30	QC-Batch:	2001/03/05-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	3400	500	ug/L	10.00	03/06/2001 03:15	g
Benzene	250	5.0	ug/L	10.00	03/06/2001 03:15	
Toluene	14	5.0	ug/L	10.00	03/06/2001 03:15	
Ethyl benzene	44	5.0	ug/L	10.00	03/06/2001 03:15	
Xylene(s)	22	5.0	ug/L	10.00	03/06/2001 03:15	
Surrogate(s)						
Trifluorotoluene	110.7	58-124	%	1.00	03/06/2001 03:15	
4-Bromofluorobenzene-FID	80.8	50-150	%	1.00	03/06/2001 03:15	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-5**	Lab Sample ID:	**2001-02-0509-005**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/05/2001 23:29
Sampled:	02/28/2001 11:30	QC-Batch:	2001/03/05-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/05/2001 23:29	
Benzene	ND	0.50	ug/L	1.00	03/05/2001 23:29	
Toluene	ND	0.50	ug/L	1.00	03/05/2001 23:29	
Ethyl benzene	ND	0.50	ug/L	1.00	03/05/2001 23:29	
Xylene(s)	ND	0.50	ug/L	1.00	03/05/2001 23:29	
Surrogate(s)						
Trifluorotoluene	93.9	58-124	%	1.00	03/05/2001 23:29	
4-Bromofluorobenzene-FID	79.1	50-150	%	1.00	03/05/2001 23:29	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-6**	Lab Sample ID:	**2001-02-0509-006**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/06/2001 00:01
Sampled:	02/28/2001 10:40	QC-Batch:	2001/03/05-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/06/2001 00:01	
Benzene	ND	0.50	ug/L	1.00	03/06/2001 00:01	
Toluene	ND	0.50	ug/L	1.00	03/06/2001 00:01	
Ethyl benzene	ND	0.50	ug/L	1.00	03/06/2001 00:01	
Xylene(s)	ND	0.50	ug/L	1.00	03/06/2001 00:01	
Surrogate(s)						
Trifluorotoluene	93.3	58-124	%	1.00	03/06/2001 00:01	
4-Bromofluorobenzene-FID	76.9	50-150	%	1.00	03/06/2001 00:01	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-7**	Lab Sample ID:	**2001-02-0509-007**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/06/2001 00:34
Sampled:	02/28/2001 10:00	QC-Batch:	2001/03/05-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/06/2001 00:34	
Benzene	ND	0.50	ug/L	1.00	03/06/2001 00:34	
Toluene	ND	0.50	ug/L	1.00	03/06/2001 00:34	
Ethyl benzene	ND	0.50	ug/L	1.00	03/06/2001 00:34	
Xylene(s)	6.7	0.50	ug/L	1.00	03/06/2001 00:34	
Surrogate(s)						
Trifluorotoluene	98.5	58-124	%	1.00	03/06/2001 00:34	
4-Bromofluorobenzene-FID	80.0	50-150	%	1.00	03/06/2001 00:34	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2001/03/05-01.05**

MB: 2001/03/05-01.05-005

Date Extracted: 03/05/2001 09:40

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	03/05/2001 09:40	
Benzene	ND	0.5	ug/L	03/05/2001 09:40	
Toluene	ND	0.5	ug/L	03/05/2001 09:40	
Ethyl benzene	ND	0.5	ug/L	03/05/2001 09:40	
Xylene(s)	ND	0.5	ug/L	03/05/2001 09:40	
Surrogate(s)					
Trifluorotoluene	117.1	58-124	%	03/05/2001 09:40	
4-Bromofluorobenzene-FID	76.7	50-150	%	03/05/2001 09:40	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2001/03/06-01.05**

MB: 2001/03/06-01.05-001

Date Extracted: 03/06/2001 07:43

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	03/06/2001 07:43	
Benzene	ND	0.5	ug/L	03/06/2001 07:43	
Toluene	ND	0.5	ug/L	03/06/2001 07:43	
Ethyl benzene	ND	0.5	ug/L	03/06/2001 07:43	
Xylene(s)	ND	0.5	ug/L	03/06/2001 07:43	
Surrogate(s)					
Trifluorotoluene	76.8	58-124	%	03/06/2001 07:43	
4-Bromofluorobenzene-FID	66.2	50-150	%	03/06/2001 07:43	

To: **SECOR-Concord**
Attn: Bob Robitaille

Test Method: 8020
Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/03/05-01.05**

LCS: 2001/03/05-01.05-008 Extracted: 03/05/2001 12:21 Analyzed 03/05/2001 12:21
LCSD: 2001/03/05-01.05-007 Extracted: 03/05/2001 10:44 Analyzed 03/05/2001 10:44

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	81.7	94.7	100	100.0	81.7	94.7	14.7	77-123	20		
Toluene	79.8	91.7	100	100.0	79.8	91.7	13.9	78-122	20		
Ethyl benzene	78.3	89.4	100	100.0	78.3	89.4	13.2	70-130	20		
Xylene(s)	232	259	300	300	77.3	86.3	11.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	412	474	500	500	82.4	94.8		58-124			

To: **SECOR-Concord**

Test Method: 8015M
8020

Attn: Bob Robitaille

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/03/06-01.05**

LCS: 2001/03/06-01.05-002 Extracted: 03/06/2001 08:15 Analyzed 03/06/2001 08:15

LCSD: 2001/03/06-01.05-003 Extracted: 03/06/2001 08:47 Analyzed 03/06/2001 08:47

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	465	486	500	500	93.0	97.2	4.4	75-125	20		
Benzene	86.8	83.4	100.0	100.0	86.8	83.4	4.0	77-123	20		
Toluene	84.1	80.1	100.0	100.0	84.1	80.1	4.9	78-122	20		
Ethyl benzene	84.5	80.1	100.0	100.0	84.5	80.1	5.3	70-130	20		
Xylene(s)	255	242	300	300	85.0	80.7	5.2	75-125	20		
Surrogate(s)											
Trifluorotoluene	429	418	500	500	85.8	83.6		58-124			
4-Bromofluorobenzene-FI	360	391	500	500	72.0	78.2		50-150			

To: **SECOR-Concord**

Test Method: 8015M
8020

Attn: Bob Robitaille

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/03/05-01.05**

LCS: 2001/03/05-01.05-013 Extracted: 03/05/2001 11:17 Analyzed 03/05/2001 11:17

LCSD: 2001/03/05-01.05-014 Extracted: 03/05/2001 11:49 Analyzed 03/05/2001 11:49

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	472	449	500	500	94.4	89.8	5.0	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-FI	372	355	500	500	74.4	71.0		50-150			

To: **SECOR-Concord**

Attn: Bob Robitaille

Test Method: 8015M
8020

Prep Method: 5030

Legend & Notes

Gas/BTEX

Analyte Flags

g

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

Soluble Metals

SECOR-Concord

1390 Willow Pass Road, Suite 360
Concord, CA 94520-5250

Attn: Bob Robitaille

Phone: (925) 686-9780 Fax: (925) 686-3099

Project #: 007.03814

Project: Bohannon

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-4	Water	02/28/2001 12:30	4
MW-5	Water	02/28/2001 11:30	5
MW-6	Water	02/28/2001 10:40	6
MW-7	Water	02/28/2001 10:00	7

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-4**	Lab Sample ID:	**2001-02-0509-004**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/02/2001 16:47
Sampled:	02/28/2001 12:30	QC-Batch:	2001/03/02-02.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	03/02/2001 18:05	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0509

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-5**	Lab Sample ID:	**2001-02-0509-005**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/02/2001 16:47
Sampled:	02/28/2001 11:30	QC-Batch:	2001/03/02-02.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	03/02/2001 18:09	

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-6**	Lab Sample ID:	**2001-02-0509-006**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/02/2001 16:47
Sampled:	02/28/2001 10:40	QC-Batch:	2001/03/02-02.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	03/02/2001 18:13	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0509

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-7**	Lab Sample ID:	**2001-02-0509-007**
Project:	007.03814 Bohannon	Received:	02/28/2001 15:20
		Extracted:	03/02/2001 16:47
Sampled:	02/28/2001 10:00	QC-Batch:	2001/03/02-02.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	03/02/2001 18:17	

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
Soluble Metals

Method Blank | **Water** | **QC Batch # 2001/03/02-02.15**

MB: 2001/03/02-02.15-005 | *Date Extracted:* 03/02/2001 16:47

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.0050	mg/L	03/02/2001 17:52	

To: **SECOR-Concord**
Attn: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Batch QC Report

Soluble Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/03/02-02.15**

LCS: 2001/03/02-02.15-006 Extracted: 03/02/2001 16:47 Analyzed 03/02/2001 17:56
LCSD: 2001/03/02-02.15-007 Extracted: 03/02/2001 16:47 Analyzed 03/02/2001 18:01

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	0.493	0.480	0.500	0.500	98.6	96.0	2.7	80-120	20		

Memo

March 07, 2001

SEVERN TRENT SERVICES

STL ChromaLab
1220 Quarry Lane
Pleasanton, CA 94566

Tel (925) 484-1919
Fax (925) 484-1096
www.chromalab.com

To: Sample Control, Office, Project Managers
Cc: Eric, Dan, Dennis

From: Gary

Subject: Alkalinity, Anions, General Minerals, and Natural Attenuation Factors

Eric informs me that we can begin running anions and alkalinity tomorrow, when final certifications come through. The anions we will be certified for include:

Chloride, nitrate, sulfate, bromide, fluoride, nitrite, ortho phosphate.

The anions are included in a selectable test called "MISC ANIONS". Please log in any anions on a sample for this test. Although the test is usually done on waters, the test should be defined for soils as well.

Our alkalinity test has total alkalinity as the only anion. We will add the alkalinity speciation analytes bicarbonate, carbonate, and hydroxide alkalinity. Look for them to be add-on analytes.

Doing these tests allows us to bring in-house almost 1/3 of the tests we subcontract.

It also allows us to bring in-house the test packages of Natural Attenuation Factors and General Minerals. I have attached the second page of our Price List, which shows these packages, and the tests in them.

Clients may ask for Natural Attenuation Factors. Log those samples in for the tests shown attached. Clients may also ask for General Minerals. There are two types. The one most clients ask for is one we call "General Minerals-Ground Water". The tests are shown attached. Some clients will need MBAS (detergents) in addition to the tests we do. If so, add SUB-MBAS to the list. Note that it has a 48 hour hold time. We will attempt to tell clients the difference, and to distinguish the two versions of General Minerals by the terms "Ground Water" and "Surface Water."

We will bill for the test packages...NOT for the individual tests. So the tests you see in LIMS will not each have a line item in the invoice. Please use the attached list of tests to confirm that all tests have been run. Note that "ferrous iron" is analyzed and reported as "soluble iron." Also, we charge the same for any list of gases done on the Methane/CO2 report.

Thanks!

Gas/BTEX

SECOR-Concord

1390 Willow Pass Road, Suite 360
Concord, CA 94520-5250

Attn: Bob Robitaille

Phone: (925) 686-9780 Fax: (925) 686-3099

Project #: 007.03814

Project: Bohannon

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	02/28/2001 13:20	1
MW-2	Water	02/28/2001 14:30	2
MW-3	Water	02/28/2001 14:00	3
MW-4	Water	02/28/2001 12:30	4
MW-5	Water	02/28/2001 11:30	5
MW-6	Water	02/28/2001 10:40	6
MW-7	Water	02/28/2001 10:00	7

Chain-of Custody Number: [redacted]

SECOR Chain-of Custody Record

Field Office: Concord
Address: 1390 Willow Pass Rd, #360
Concord, CA 94520

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

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

2001-02-0509

Project # 007.0381.4 Task #
Project Manager Bob Kobetaille
Laboratory Chromalab
Turnaround Time Standard

Sampler's Name Charles Melancon
Sampler's Signature

Analysis Request

Sample ID	Date	Time	Matrix	HCID	TPHg/BTEX/WTPH-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	Dissolved Lead		Comments/ Instructions	Number of Containers
MW-1	2-28-01	13:20	Water		X											*		need to be filtered and preserved	4
MW-2		14:30			X											*			4
MW-3		14:00			X											*			4
MW-4		12:30			X											*			4
MW-5		11:30			X											*			4
MW-6		10:40			X											*			4
MW-7		10:00			X											*			4

Special Instructions/Comments:

Relinquished by:
Sign
Print Charles Melancon
Company SECOR
Time 15:20 Date 2-28-01

Received by:
Sign
Print
Company
Time Date

Relinquished by:
Sign
Print
Company
Time Date

Received by:
Sign
Print C Rowley
Company SEC-CA
Time 15:20 Date 02/28/01

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

Client:
Client Contact:
Client Phone:

SECOR CUSTREC Rev. 2/99

Date: 2 / 28 / 01 Page 1 of 1

Gas/BTEX Compounds by 8015M/8021

SECOR-Concord

Attn: Bob Robitaille

Project #: 007.03814.004

Site: 575 Paseo grande
San Lorenzo, CA

1390 Willow Pass Road, Suite 360
Concord, CA 94520-5250

Phone: (925) 686-9780 Fax: (925) 686-3099

Project: Bohannon

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	08/22/2001 09:20	1
MW-7	Water	08/22/2001 10:00	2
MW-5	Water	08/22/2001 10:50	3
MW-4	Water	08/22/2001 11:40	4
MW-1	Water	08/22/2001 12:50	5
MW-2	Water	08/22/2001 13:20	6
MW-3	Water	08/22/2001 14:00	7

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8021B

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8021

Sample ID:	**MW-6**	Lab Sample ID:	**2001-08-0411-001**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	09/03/2001 05:45
Sampled:	08/22/2001 09:20	QC-Batch:	2001/09/03-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/03/2001 05:45	
Benzene	ND	0.50	ug/L	1.00	09/03/2001 05:45	
Toluene	ND	0.50	ug/L	1.00	09/03/2001 05:45	
Ethyl benzene	ND	0.50	ug/L	1.00	09/03/2001 05:45	
Xylene(s)	ND	0.50	ug/L	1.00	09/03/2001 05:45	
MTBE	ND	5.0	ug/L	1.00	09/03/2001 05:45	
Surrogate(s)						
Trifluorotoluene	98.3	58-124	%	1.00	09/03/2001 05:45	
4-Bromofluorobenzene-FID	87.1	50-150	%	1.00	09/03/2001 05:45	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8021B

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8021

Sample ID:	**MW-7**	Lab Sample ID:	**2001-08-0411-002**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	09/03/2001 06:16
Sampled:	08/22/2001 10:00	QC-Batch:	2001/09/03-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/03/2001 06:16	
Benzene	ND	0.50	ug/L	1.00	09/03/2001 06:16	
Toluene	ND	0.50	ug/L	1.00	09/03/2001 06:16	
Ethyl benzene	ND	0.50	ug/L	1.00	09/03/2001 06:16	
Xylene(s)	ND	0.50	ug/L	1.00	09/03/2001 06:16	
MTBE	ND	5.0	ug/L	1.00	09/03/2001 06:16	
Surrogate(s)						
Trifluorotoluene	98.0	58-124	%	1.00	09/03/2001 06:16	
4-Bromofluorobenzene-FID	87.1	50-150	%	1.00	09/03/2001 06:16	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8021B

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8021

Sample ID:	**MW-5**	Lab Sample ID:	**2001-08-0411-003**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	09/03/2001 06:46
Sampled:	08/22/2001 10:50	QC-Batch:	2001/09/03-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/03/2001 06:46	
Benzene	ND	0.50	ug/L	1.00	09/03/2001 06:46	
Toluene	ND	0.50	ug/L	1.00	09/03/2001 06:46	
Ethyl benzene	ND	0.50	ug/L	1.00	09/03/2001 06:46	
Xylene(s)	ND	0.50	ug/L	1.00	09/03/2001 06:46	
MTBE	ND	5.0	ug/L	1.00	09/03/2001 06:46	
Surrogate(s)						
Trifluorotoluene	98.5	58-124	%	1.00	09/03/2001 06:46	
4-Bromofluorobenzene-FID	88.0	50-150	%	1.00	09/03/2001 06:46	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8021B

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8021

Sample ID:	**MW-4**	Lab Sample ID:	**2001-08-0411-004**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	09/03/2001 13:19
Sampled:	08/22/2001 11:40	QC-Batch:	2001/09/03-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	4800	500	ug/L	10.00	09/03/2001 13:19	
Benzene	260	5.0	ug/L	10.00	09/03/2001 13:19	
Toluene	12	5.0	ug/L	10.00	09/03/2001 13:19	
Ethyl benzene	27	5.0	ug/L	10.00	09/03/2001 13:19	
Xylene(s)	9.0	5.0	ug/L	10.00	09/03/2001 13:19	
MTBE	ND	50	ug/L	10.00	09/03/2001 13:19	
Surrogate(s)						
Trifluorotoluene	122.2	58-124	%	10.00	09/03/2001 13:19	
4-Bromofluorobenzene-FID	94.0	50-150	%	10.00	09/03/2001 13:19	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8021B

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8021

Sample ID:	**MW-1**	Lab Sample ID:	**2001-08-0411-005**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	09/03/2001 07:16
Sampled:	08/22/2001 12:50	QC-Batch:	2001/09/03-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/03/2001 07:16	
Benzene	ND	0.50	ug/L	1.00	09/03/2001 07:16	
Toluene	ND	0.50	ug/L	1.00	09/03/2001 07:16	
Ethyl benzene	ND	0.50	ug/L	1.00	09/03/2001 07:16	
Xylene(s)	ND	0.50	ug/L	1.00	09/03/2001 07:16	
MTBE	ND	5.0	ug/L	1.00	09/03/2001 07:16	
Surrogate(s)						
Trifluorotoluene	102.5	58-124	%	1.00	09/03/2001 07:16	
4-Bromofluorobenzene-FID	93.1	50-150	%	1.00	09/03/2001 07:16	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M 8021B

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8021

Sample ID:	**MW-2**	Lab Sample ID:	**2001-08-0411-006**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	09/03/2001 07:47
Sampled:	08/22/2001 13:20	QC-Batch:	2001/09/03-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	990	50	ug/L	1.00	09/03/2001 07:47	
Benzene	75	0.50	ug/L	1.00	09/03/2001 07:47	
Toluene	3.5	0.50	ug/L	1.00	09/03/2001 07:47	
Ethyl benzene	8.9	0.50	ug/L	1.00	09/03/2001 07:47	
Xylene(s)	8.1	0.50	ug/L	1.00	09/03/2001 07:47	
MTBE	ND	5.0	ug/L	1.00	09/03/2001 07:47	
Surrogate(s)						
Trifluorotoluene	114.3	58-124	%	1.00	09/03/2001 07:47	
4-Bromofluorobenzene-FID	94.4	50-150	%	1.00	09/03/2001 07:47	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8021B

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8021

Sample ID:	**MW-3**	Lab Sample ID:	**2001-08-0411-007**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	09/03/2001 13:50
Sampled:	08/22/2001 14:00	QC-Batch:	2001/09/03-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	8100	500	ug/L	10.00	09/03/2001 13:50	
Benzene	1600	5.0	ug/L	10.00	09/03/2001 13:50	
Toluene	28	5.0	ug/L	10.00	09/03/2001 13:50	
Ethyl benzene	44	5.0	ug/L	10.00	09/03/2001 13:50	
Xylene(s)	17	5.0	ug/L	10.00	09/03/2001 13:50	
MTBE	ND	50	ug/L	10.00	09/03/2001 13:50	
Surrogate(s)						
Trifluorotoluene	116.5	58-124	%	10.00	09/03/2001 13:50	
4-Bromofluorobenzene-FID	94.7	50-150	%	10.00	09/03/2001 13:50	

To: **SECOR-Concord**

Attn.: Bob Robitaille

Test Method: 8015M
8021B

Prep Method: 5030

Batch QC Report

Gas/BTEX Compounds by 8015M/8021

Method Blank | **Water** | **QC Batch # 2001/09/03-01.03**

MB: 2001/09/03-01.03-001 | Date Extracted: 09/03/2001 03:13

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/03/2001 03:13	
Benzene	ND	0.5	ug/L	09/03/2001 03:13	
Toluene	ND	0.5	ug/L	09/03/2001 03:13	
Ethyl benzene	ND	0.5	ug/L	09/03/2001 03:13	
Xylene(s)	ND	0.5	ug/L	09/03/2001 03:13	
MTBE	ND	5.0	ug/L	09/03/2001 03:13	
Surrogate(s)					
Trifluorotoluene	98.4	58-124	%	09/03/2001 03:13	
4-Bromofluorobenzene-FID	88.5	50-150	%	09/03/2001 03:13	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**

Attn: Bob Robitaille

Test Method: 8021B

Prep Method: 5030

Batch QC Report

Gas/BTEX Compounds by 8015M/8021

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/09/03-01.03**

LCS: 2001/09/03-01.03-002 Extracted: 09/03/2001 03:44 Analyzed 09/03/2001 03:44

LCSD: 2001/09/03-01.03-003 Extracted: 09/03/2001 04:14 Analyzed 09/03/2001 04:14

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	92.8	85.0	100.0	100.0	92.8	85.0	8.8	77-123	20		
Toluene	89.2	82.4	100.0	100.0	89.2	82.4	7.9	78-122	20		
Ethyl benzene	89.3	83.1	100.0	100.0	89.3	83.1	7.2	70-130	20		
Xylene(s)	259	244	300	300	86.3	81.3	6.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	433	387	500	500	86.6	77.4		58-124			

To: **SECOR-Concord**
Attn: Bob Robitaille

Test Method: 8015M
Prep Method: 5030

Batch QC Report

Gas/BTEX Compounds by 8015M/8021

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/09/03-01.03**

LCS: 2001/09/03-01.03-004 Extracted: 09/03/2001 04:45 Analyzed 09/03/2001 04:45
LCSD: 2001/09/03-01.03-005 Extracted: 09/03/2001 05:15 Analyzed 09/03/2001 05:15

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	492	546	500	500	98.4	109.2	10.4	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-Fl	424	443	500	500	84.8	88.6		50-150			

Soluble Metals

SECOR-Concord

Attn: Bob Robitaille

Project #: 007.03814.004

Site: 575 Paseo grande
San Lorenzo, CA

1390 Willow Pass Road, Suite 360
Concord, CA 94520-5250

Phone: (925) 686-9780 Fax: (925) 686-3099

Project: Bohannon

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	08/22/2001 09:20	1
MW-7	Water	08/22/2001 10:00	2
MW-5	Water	08/22/2001 10:50	3
MW-4	Water	08/22/2001 11:40	4
MW-1	Water	08/22/2001 12:50	5
MW-2	Water	08/22/2001 13:20	6
MW-3	Water	08/22/2001 14:00	7

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-6**	Lab Sample ID:	**2001-08-0411-001**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	08/24/2001 07:16
Sampled:	08/22/2001 09:20	QC-Batch:	2001/08/24-08.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/24/2001 15:45	

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-7**	Lab Sample ID:	**2001-08-0411-002**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	08/24/2001 07:16
Sampled:	08/22/2001 10:00	QC-Batch:	2001/08/24-08.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/24/2001 15:49	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-5**	Lab Sample ID:	**2001-08-0411-003**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	08/24/2001 07:16
Sampled:	08/22/2001 10:50	QC-Batch:	2001/08/24-08.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/24/2001 15:54	

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-4**	Lab Sample ID:	**2001-08-0411-004**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	08/24/2001 07:16
Sampled:	08/22/2001 11:40	QC-Batch:	2001/08/24-08.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/24/2001 15:58	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-08-0411

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-1**	Lab Sample ID:	**2001-08-0411-005**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	08/24/2001 07:16
Sampled:	08/22/2001 12:50	QC-Batch:	2001/08/24-08.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/24/2001 16:02	

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-2**	Lab Sample ID:	**2001-08-0411-006**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	08/24/2001 07:16
Sampled:	08/22/2001 13:20	QC-Batch:	2001/08/24-08.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/24/2001 16:07	

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**MW-3**	Lab Sample ID:	**2001-08-0411-007**
Project:	007.03814.004 Bohannon	Received:	08/22/2001 15:30
Site:	575 Paseo grande San Lorenzo, CA	Extracted:	08/24/2001 07:16
Sampled:	08/22/2001 14:00	QC-Batch:	2001/08/24-08.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	08/24/2001 16:11	

To: **SECOR-Concord**
Attn.: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
Soluble Metals

Method Blank | **Water** | **QC Batch # 2001/08/24-08.15**

MB: 2001/08/24-08.15-064 | Date Extracted: 08/24/2001 07:16

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.0050	mg/L	08/24/2001 15:04	

To: **SECOR-Concord**
Attn: Bob Robitaille

Test Method: 6010B
Prep Method: 3005A

Batch QC Report

Soluble Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/08/24-08.15**

LCS: 2001/08/24-08.15-065 Extracted: 08/24/2001 07:16 Analyzed 08/24/2001 15:09
LCSD: 2001/08/24-08.15-066 Extracted: 08/24/2001 07:16 Analyzed 08/24/2001 15:13

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	0.503	0.501	0.500	0.500	100.6	100.2	0.4	80-120	20		

2001-08-0111 Chain-of Custody Number: 61176

SECOR Chain-of Custody Record

Field Office: Concord
Address: 1390 Willow Pass Rd., #360
Concord, CA 94520

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

Job Name: Bohannon
Location: 575 Pasco Grande
San Lorenzo, CA

Project # 007.03814.004 Task #
Project Manager Bob Bobitaille
Laboratory Chromalab
Turnaround Time Standard

Sampler's Name Charles Melancon
Sampler's Signature

Sample ID	Date	Time	Matrix
MW-6	8-22-01	9:20	water
MW-7		10:00	
MW-5		10:50	
MW-4		11:40	
MW-1		12:50	
MW-2		13:20	
MW-3		14:00	

Analysis Request

HCID	TPHg/BTEX/WTPH-G/MTBE 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	Lead *		Comments/ Instructions	Number of Containers
	X											X			4
	X											X			4
	X											X			4
	X											X			4
	X											X			4
	X											X			5
	X											X			4

Special Instructions/Comments:
* Filter and preserve all plastics for metals within 24 hrs.

Relinquished by:
Sign
Print Charles Melancon
Company SECOR
Time 15:30 Date 8-22-01

Received by:
Sign
Print
Company
Time Date

Relinquished by:
Sign
Print
Company
Time Date

Received by:
Sign SA McCallum
Print SA McCallum
Company STL, CL
Time 15:30 Date 8/22/01

Sample Receipt
Total no. of containers:
Chain of custody seals:
Rec'd in good condition/cold: 10B
Conforms to record: yes

Client:
Client Contact:
Client Phone:

SECOR CUSTREC Rev. 2/99

8/22/01 Page 1 of 1