SECOR
International Incorporated

August 9, 1999

Ms. Juliet Shin
Alameda County Health Care Services Agency
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RE: **Bohannon Development Company**
575 Paseo Grande
San Lorenzo, California

Dear Ms. Shin:

On behalf of the Bohannon Development Company, SECOR International Incorporated (SECOR) is pleased to present the results of second quarter 1999 groundwater monitoring and sampling activities conducted at 575 Paseo Grande (the Site) in San Lorenzo, California (Figures 1 and 2). This report presents the results of the June 8, 1999, sampling event which was conducted pursuant to an Alameda County Health Care Services Agency's (ACHCSA's) 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 September 1997, after which monitoring was suspended pending direction from the ACHCSA. The next quarterly monitoring and sampling event is scheduled for September 1999.

Currently, a passive soil vapor survey is being performed at the site. The survey is based, in part, on the findings of a utility trench survey. The findings of the passive soil vapor survey and utility trench survey will be incorporated into a quarterly report. If you have any questions or require more information, please call us at (925) 686-9780.

Sincerely,
SECOR International Incorporated

Robert Robitaille
Project Geologist

Attachment: Second Quarter 1999 Groundwater Monitoring and Sampling Report,
575 Paseo Grande, San Lorenzo, California

SECOR
International Incorporated

July 14, 1999

Mr. Mike Jepsen
David D. Bohannon Organization
60 Hillsdale Mall
San Mateo, California 94403-3497

RE: **Second Quarter 1999 Groundwater Monitoring and Sampling Report**
575 Paseo Grande
San Lorenzo, California

Dear Mr. Jepsen:

SECOR International Incorporated (SECOR) is pleased to present the results of second quarter 1999 groundwater monitoring and sampling activities conducted at 575 Paseo Grande (the Site) in San Lorenzo, California (Figures 1 and 2). This report presents the results of the June 8, 1999, sampling event which was conducted pursuant to an Alameda County Health Care Services Agency's (ACHCSA's) 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 September 1997, after which monitoring was suspended pending direction from the ACHCSA.

The second quarter 1999 scope of work included sampling groundwater monitor wells MW-1, MW-2, and MW-3 for gasoline range total petroleum hydrocarbons (TPHg); benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl-tertiary-butyl-ether (MTBE); chromium; and lead. In addition to the groundwater monitoring activities, a groundwater plume definition program has been implemented. The program includes a utility trench location survey and a passive soil-vapor survey. The data will be used to locate at least one additional groundwater monitor well. The results of the groundwater plume definition work will be incorporated into a future quarterly report.

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 was not conducted during initial investigation activities.

SECOR Job No. 70074-001-03
//boh2q99.doc

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 monitor wells (MW-1, MW-2, and MW-3) were installed during the investigation activities to evaluate the degree to which the groundwater had been impacted. 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.

SCOPE OF WORK

Quarterly groundwater sampling activities were conducted at the Site pursuant to the request of the ACHCSA. The three on-site monitor wells (MW-1, MW-2, and MW-3) were gauged for depth-to-water and sampled on June 8, 1999. Each of the three wells were purged using a low flow purging method consisting of a 2-inch diameter, variable speed submersible pump set to pump at less than 0.5 liters per minute. During purging, temperature, conductivity, pH, and dissolved oxygen were continuously measured using an in-line flow-through cell. Copies of the field data sheets are presented in Attachment 1. The groundwater samples were submitted to Sequoia Analytical Laboratory, a California state-certified laboratory, and analyzed for TPHg by U.S. Environmental Protection Agency (EPA) Methods 8015 (modified); BTEX by EPA Method 8020; MTBE by EPA Method 8260; and chromium and lead by EPA Method 200.7.

MONITOR WELL LOCATION

Quarterly sampling was attempted on April 16, 1999, at which time it was found that well MW-3 had apparently been buried during recent paving activities. On May 28, 1999, an underground utility locating contractor was retained to locate the well. The well box was found buried beneath the asphalt and a layer of soil. Asphalt and soil were then cleared from the well cover and the well was inspected. The well appeared to be in good condition with no signs of damage. The water-tight well cap was still locked in place and no soil or asphalt was found in the well box or well casing.

GROUNDWATER ELEVATION RESULTS

Groundwater elevation data collected to date is summarized in Table 1. The average depth-to-water at the Site on June 8, 1999 was 6.21 feet below grade with an average water table elevation of 20.45 feet above mean sea level. A potentiometric surface map showing the interpreted groundwater surface elevation on

June 8, 1999 is presented as Figure 3. The average hydraulic gradient across the Site for this event was approximately 0.004 feet per foot and was toward the southwest (Figure 3). These results are generally consistent with flow direction results obtained during the prior monitoring events. As mentioned in previous quarterly reports, the flow direction beneath the Site is likely to be tidally influenced by the San Francisco Bay. Regardless of tidal influences, the groundwater flow direction beneath the Site is predominantly towards the west to southwest.

GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical results from samples collected to date are summarized in Table 2 and sampling field data sheets are attached. No analytes were detected in the sample collected from MW-1 during this event. Previous sampling of MW-1 had consistently detected TPHg and BTEX compounds. TPHg, BTEX and low concentrations of lead were detected in samples collected from wells MW-2 and MW-3. No MTBE or chromium was detected in any of the samples.

The groundwater sample collected from MW-2 contained TPHg at 2100 micrograms per liter ($\mu g/\ell$), benzene at 240 $\mu g/\ell$, toluene at 8 $\mu g/\ell$, ethylbenzene at 33 $\mu g/\ell$, and total xylenes at 40 $\mu g/\ell$. The groundwater sample collected from MW-2 also contained 33 $\mu g/\ell$ total lead. The groundwater sample collected from MW-3 contained 1700 $\mu g/\ell$ TPHg, 320 $\mu g/\ell$ benzene, 6.4 $\mu g/\ell$ toluene and 15 $\mu g/\ell$ xylenes. The MW-3 sample also contained 24 $\mu g/\ell$ total lead. A copy of the laboratory report and chain-of-custody is attached.

The next quarterly monitoring and sampling event is scheduled for September 1999. The findings of the passive soil vapor survey and utility trench survey will be incorporated into a quarterly report. If you have any questions or require more information, please call us at (925) 686-9780.

Sincerely,
SECOR International Incorporated

Robert Robitaille
Project Geologist

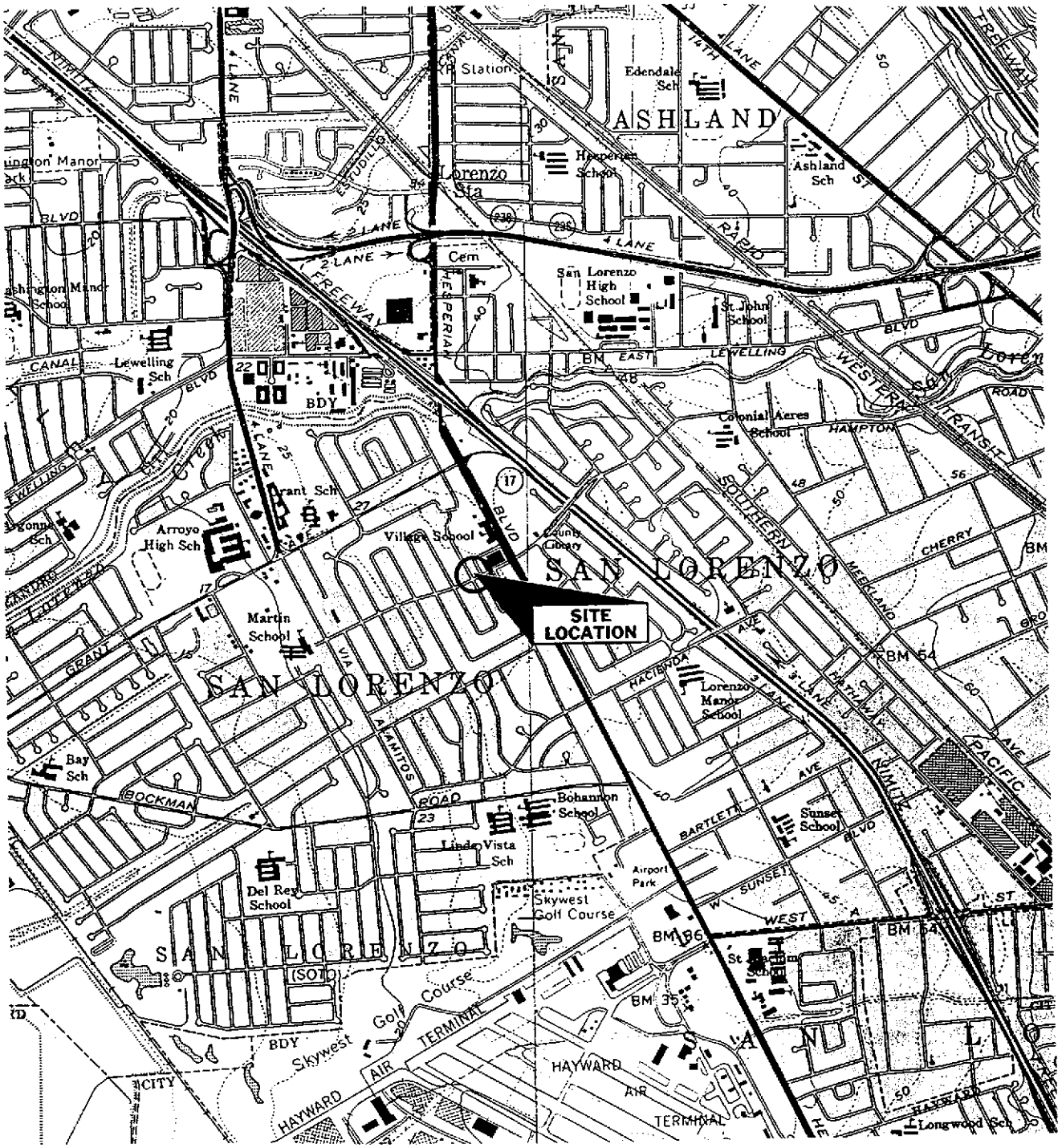
Thomas Crosby, C.Hg. # 257
Principal Hydrogeologist

Attachments: Figure 1 - Site Location Map
Figure 2 - Site Plan
Figure 3 - Potentiometric Surface Map – June 8, 1999
Table 1 - Groundwater Elevation Data
Table 2 - Groundwater Analytical Results - TPHg and BTEX
Field Data Sheets
Laboratory Analytical Reports – Groundwater

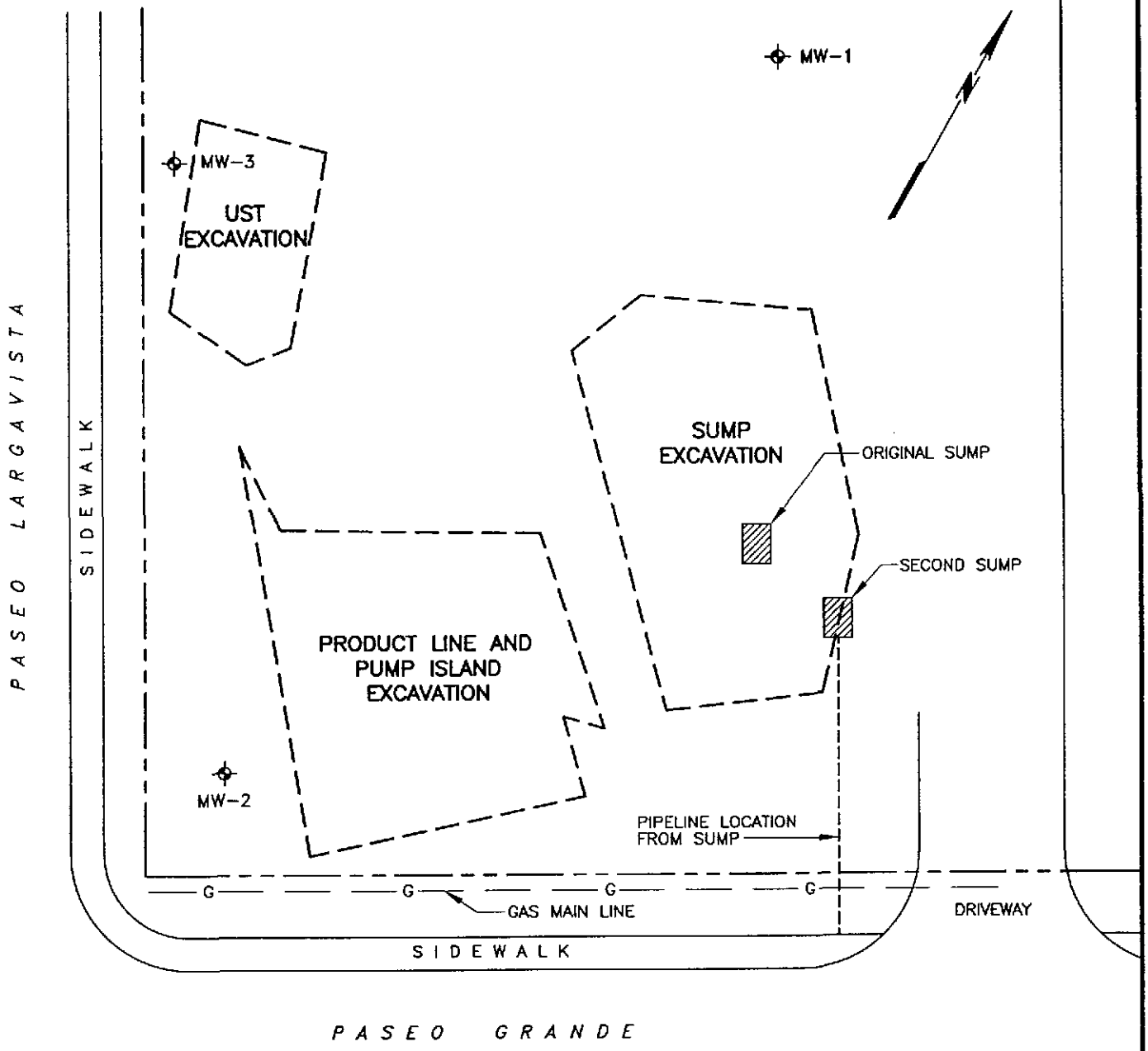
cc: Ms. Juliet Shin, Alameda County Health Care Services Agency

SECOR Job No. 70074-001-03
//boh2q99.doc

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



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-1 GROUNDWATER MONITORING WELL

LIMITS OF FORMER EXCAVATION

APPROXIMATE PROPERTY BOUNDARY

0 20 40

SCALE FEET

SOURCE: NOLTE AND ASSOCIATES, INC., DATED 1996.

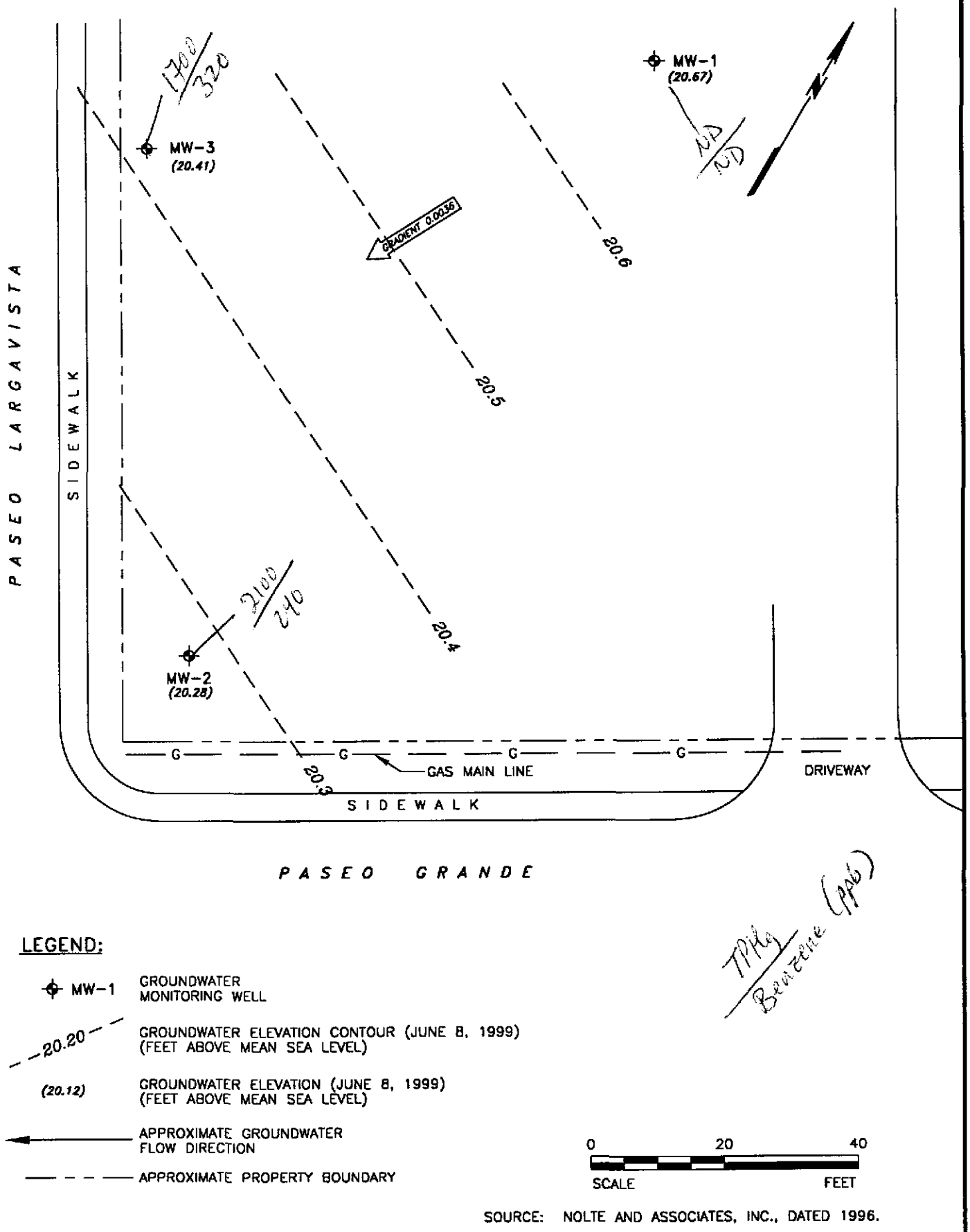
SECOR INTERNATIONAL INCORPORATED

DRAWN	CCR
APPR	KW
DATE	30APR97
JOB NO.	70074-001-02

FIGURE 2
DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA

SITE PLAN

199704.280928 X:\JOBS\1961\BOHANNON\SNLORENZ\SITEPLAN



LEGEND:

- MW-1 — GROUNDWATER MONITORING WELL
- 20.20 — GROUNDWATER ELEVATION CONTOUR (JUNE 8, 1999) (FEET ABOVE MEAN SEA LEVEL)
- (20.12) — GROUNDWATER ELEVATION (JUNE 8, 1999) (FEET ABOVE MEAN SEA LEVEL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- APPROXIMATE PROPERTY BOUNDARY

0 20 40
SCALE FEET

SOURCE: NOLTE AND ASSOCIATES, INC., DATED 1996.

SECOR International Incorporated

DRAWN	TJZ
APPR	CM
DATE	8JLY99
JOB NO.	70074-001-03

FIGURE 3
DAVID D. BOHANNON ORGANIZATION
575 PASEO GRANDE
SAN LORENZO, CALIFORNIA
POTENTIOMETRIC SURFACE MAP
JUNE 8, 1999

199704.280902 X:\JOBS\95\BOHANNON\SNLORENZ\SNLORE08

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

Date	MW-1			MW-2			MW-3			FLOW DIRECTION
	TOC (ft msl)	DTW (ft bTOC)	ELEV (ft msl)	TOC (ft msl)	DTW (ft bTOC)	ELEV (ft msl)	TOC (ft msl)	DTW (ft bTOC)	ELEV (ft msl)	
17-May-96	27.11	5.65	21.46	26.73	5.56	21.17	26.15	4.39	21.76	southeast
8-Oct-96		7.47	19.64		7.15	19.58		6.82	19.33	west
1-Apr-97		6.27	20.84		6.61	20.12		5.53	20.62	south
12-Jun-97		6.90	20.21		6.76	19.97		6.18	19.97	southwest
10-Sep-97		7.48	19.63		7.19	19.54		6.81	19.34	west
8-Jun-99		6.44	20.67		6.45	20.28		5.74	20.41	southwest

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

Table 2
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)	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)
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
MW-3								
17-May-96	6700	140	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	1800	3200	2800[P]	6900[P]	NA	NA	NA
8-Jun-99	1700	320	6.4	15	ND (<0.5)	ND (<10)	ND (<10)	24

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

SECOR International Incorporated

HYDROLOGIC DATA SHEET

Date: 6-8-99 **Project:** Bohannon **Project #:** 70074-001-03

Sampler: E. Melancon **Page** 1 **of** 1

WELL or LOCATION	TIME	MEASUREMENT					COMMENTS
		TOC	DTW	DTB	DIA	ELEV	
MW-1		27.11	6.44		2"	20.67	
MW-2		26.73	6.45		2"	20.28	
MW-3		26.15	5.74		2"	20.41	

TOC = Top of Well Casing Elevation
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC
DIA = Well Casing Diameter
ELEV = Groundwater Elevation

SECOR International Incorporated

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 70074-001-03 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 6-8-99 START (2400hr) 14:08 END (2400hr) 14:30

DATE SAMPLED 6-8-99 SAMPLE TIME (2400hr) 14:40

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

CASING DIAMETER:	2"	3"	4"	4.5"	5"	6"	8"	Other
Casing Volume Per Foot	X (0.17)	___ (0.38)	___ (0.67)	___ (0.83)	___ (1.02)	___ (1.50)	___ (2.60)	___ ( )

DEPTH TO BOTTOM (feet) = —

DEPTH TO WATER (feet) = 6.44

WATER COLUMN HEIGHT (feet) = —

CASING VOLUME (gal) = ___

CALCULATED PURGE (gal) = low flow

ACTUAL PURGE (gal) = 1.8

FIELD MEASUEMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	Dissolved Oxygen
14:12	0.4	21.98	1,208	6.95	Clear	low	1.15
14:15	0.6	21.66	1,199	6.93	"	"	0.91
14:17	0.8	21.73	1,196	6.91	"	"	0.79
14:20	1.0	21.13	1,180	6.89	"	"	0.68
14:22	1.2	21.18	1,184	6.89	"	"	0.62
14:25	1.4	21.24	1,183	6.88	"	"	0.58
14:27	1.6	21.01	1,183	6.88	"	"	0.56

SAMPLE PARAMETERS

ODOR: none

80% RECHARGED? NA Yes ___ No

SAMPLE VESSEL / PRESERVATIVE: 500mL + 4 VOAs/HCL

ANALYSES TPHg/BTEX/MTBE/Pb+Cr

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
X Peristaltic Pump
___ Bailer (Teflon)
___ Bailer (PCV)
___ Bailer (Stainless Steel)
X Dedicated tube

Other: ___

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
X Peristaltic Pump
X Dedicated tube
___ Bailer (Teflon)
___ Bailer (___PVC or ___disposable)
___ Bailer (Stainless Steel)

Other: ___

WELL INTEGRITY: good LOCK#: ___

REMARKS: ___

SIGNATURE: [signature]

SECOR International Incorporated

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 70074-001-03 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 6-8-99 START (2400hr) 14:50 END (2400hr) 15:18

DATE SAMPLED 6-8-99 SAMPLE TIME (2400hr) 15:20

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

CASING DIAMETER: 2" X 3" ____ 4" ____ 4.5" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

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

DEPTH TO WATER (feet) = 6.45 CALCULATED PURGE (gal) = low flow

WATER COLUMN HEIGHT (feet) = ____ ACTUAL PURGE (gal) = 1.8

FIELD MEASUEMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	D.O.
14:55	0.4	21.23	1,484	6.64	Clear	low	0.81
14:58	0.6	21.05	1,473	6.62	"	"	0.69
15:00	0.8	20.98	1,467	6.61	"	"	0.63
15:02	1.0	20.92	1,462	6.61	"	"	0.60
15:05	1.2	20.88	1,456	6.60	"	"	0.56
15:08	1.4	20.88	1,452	6.60	"	"	0.54
15:10	1.6	20.87	1,448	6.59	"	"	0.52

SAMPLE PARAMETERS

ODOR: Mod. gas 80% RECHARGED? ___Yes ___No

SAMPLE VESSEL / PRESERVATIVE: 1500mL +4 VOAs/HCl ANALYSES TPHg/BTEX/MTBE/Pb+Cr

PURGING EQUIPMENT

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

SAMPLING EQUIPMENT

____ Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump ____ Bailer (___PVC or ___disposable)
X Peristaltic Pump ____ Bailer (Stainless Steel)
X Dedicated tube
Other: ____

WELL INTEGRITY: good LOCK#: ____

REMARKS: ____

SIGNATURE: [signature] Page ___ of ___

SECOR International Incorporated

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 70074-001-03 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 6-8-99 START (2400hr) 15:40 END (2400hr) 15:58

DATE SAMPLED 6-8-99 SAMPLE TIME (2400hr) 16:00

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

CASING DIAMETER: 2" X 3" ____ 4" ____ 4.5" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume Per Foot (0.17) (0.38) (0.67) (0.83) (1.02) (1.50) (2.60) ( )

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

DEPTH TO WATER (feet) = 5.74 CALCULATED PURGE (gal) = low flow

WATER COLUMN HEIGHT (feet) = — ACTUAL PURGE (gal) = 1.8

FIELD MEASUEMENTS

TIME (2400hr)	VOLUME (gal)	TEMP. (degrees C)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)	D.O.
15:42	0.4	22.00	1,291	6.72	cloudy	mod.	1.69
15:45	0.6	21.98	1,287	6.70	clear	low	0.88
15:48	0.8	22.05	1,290	6.69	"	"	0.71
15:50	1.0	22.00	1,290	6.69	"	"	0.61
15:52	1.2	21.91	1,293	6.69	"	"	0.52
15:55	1.4	21.94	1,298	6.69	"	"	0.51
15:58	1.6	21.94	1,295	6.69	"	"	0.51

SAMPLE PARAMETERS

ODOR: Mod. Gas 80% RECHARGED? NA Yes ____ No

SAMPLE VESSEL / PRESERVATIVE: 500 ml + 4 VOAs / HCL ANALYSES TPHg/BTEX/MTBE/Plater

PURGING EQUIPMENT

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

SAMPLING EQUIPMENT

____ Bladder Pump
____ Centrifugal Pump
X Peristaltic Pump
X Dedicated tube
____ Bailer (Teflon)
____ Bailer (___PVC or ___disposable)
____ Bailer (Stainless Steel)
Other: ____

WELL INTEGRITY: good LOCK#: ____

REMARKS: Well is located below current grade of re-asphalted site. I placed a second well lid fitting snugly over layer of gravel over well box lid.

SIGNATURE: [signature]

Page ___ of ___

LABORATORY ANALYTICAL REPORTS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

SECOR	Client Project ID:	Bohannon	Sampled: Jun 8, 1999
1390 Willow Pass Rd, Ste 360	Sample Matrix:	Water	Received: Jun 8, 1999
Concord, CA 94520	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Jun 22, 1999
Attention: Greg Hoehn	First Sample #:	906-0856	

QC Batch Number: GC061599 802005A | GC061699 802005A | GC061699 802005A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 906-0856 MW-1	Sample I.D. 906-0857 MW-2	Sample I.D. 906-0858 MW-3
Purgeable Hydrocarbons	50	N.D.	2,100	1,700
Benzene	0.50	N.D.	240	320
Toluene	0.50	N.D.	8.0	6.4
Ethyl Benzene	0.50	N.D.	33	15
Total Xylenes	0.50	N.D.	40	N.D.
Chromatogram Pattern:		--	Gasoline	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	10	10
Date Analyzed:	6/15/99	6/16/99	6/16/99
Instrument Identification:	HP-5	HP-5	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	91	85	107

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

SECOR	Client Project ID:	Bohannon	Sampled:	Jun 8, 1999
1390 Willow Pass Rd, Ste 360	Sample Descript:	Water, MW-1	Received:	Jun 8, 1999
Concord, CA 94520	Analysis Method:	EPA 8260	Analyzed:	Jun 18, 1999
Attention: Greg Hoehn	Lab Number:	906-0856	Reported:	Jun 22, 1999

QC Batch Number: MS061899826OS2A

Instrument ID: GC/MS-2

MTBE by EPA 8260

Analyte	Detection Limit µg/L	Sample Results µg/L
Methyl t-Butyl Ether (MTBE)	2.0	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

SECOR	Client Project ID:	Bohannon	Sampled:	Jun 8, 1999
1390 Willow Pass Rd, Ste 360	Sample Descript:	Water, MW-2	Received:	Jun 8, 1999
Concord, CA 94520	Analysis Method:	EPA 8260	Analyzed:	Jun 21, 1999
Attention: Greg Hoehn	Lab Number:	906-0857	Reported:	Jun 22, 1999

QC Batch Number: MS061899826OS2A

Instrument ID: GC/MS-2

MTBE by EPA 8260

Analyte	Detection Limit µg/L	Sample Results µg/L
Methyl t-Butyl Ether (MTBE)	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	91

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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SECOR	Client Project ID:	Bohannon	Sampled: Jun 8, 1999
1390 Willow Pass Rd, Ste 360	Sample Descript:	Water, MW-3	Received: Jun 8, 1999
Concord, CA 94520	Analysis Method:	EPA 8260	Analyzed: Jun 21, 1999
Attention: Greg Hoehn	Lab Number:	906-0858	Reported: Jun 22, 1999

QC Batch Number: MS061899826OS2A

Instrument ID: GC/MS-2

MTBE by EPA 8260

Analyte	Detection Limit µg/L	Sample Results µg/L
Methyl t-Butyl Ether (MTBE)	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	65

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

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SECOR	Client Project ID:	Bohannon	Sampled:	Jun 8, 1999
1390 Willow Pass Rd, Ste 360	Sample Descript:	Water	Received:	Jun 8, 1999
Concord, CA 94520	Analysis for:	Chromium	Digested:	Jun 15, 1999
Attention: Greg Hoehn	First Sample #:	906-0856	Analyzed:	Jun 18, 1999
			Reported:	Jun 22, 1999

LABORATORY ANALYSIS FOR: Chromium

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
906-0856	MW-1	0.010	N.D.	ME0615992007MDA	MV-3
906-0857	MW-2	0.010	N.D.	ME0615992007MDA	MV-3
906-0858	MW-3	0.010	N.D.	ME0615992007MDA	MV-3

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

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1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

SECOR
1390 Willow Pass Rd, Ste 360
Concord, CA 94520
Attention: Greg Hoehn

Client Project ID: Bohannon
Sample Descript: Water
Analysis for: Lead
First Sample #: 906-0856

Sampled: Jun 8, 1999
Received: Jun 8, 1999
Digested: Jun 15, 1999
Analyzed: Jun 18, 1999
Reported: Jun 22, 1999

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L	QC Batch Number	Instrument ID
906-0856	MW-1	0.020	N.D.	ME0615992007MDA	MV-3
906-0857	MW-2	0.020	0.033	ME0615992007MDA	MV-3
906-0858	MW-3	0.020	0.024	ME0615992007MDA	MV-3

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Sequoia Analytical

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SECOR
1390 Willow Pass Rd, Ste 360
Concord, CA 94520
Attention: Greg Hoehn

Client Project ID: Bohannon
Matrix: Liquid
QC Sample Group: 9060856-858
Reported: Jun 22, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061599	GC061599	GC061599	GC061599
	802005A	802005A	802005A	802005A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	9060856	9060856	9060856	9060856
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/15/99	6/15/99	6/15/99	6/15/99
Analyzed Date:	6/15/99	6/15/99	6/15/99	6/15/99
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	19	19	19	59
MS % Recovery:	95	95	95	98
Dup. Result:	19	18	18	57
MSD % Recov.:	95	90	90	95
RPD:	0.0	5.4	5.4	3.4
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	5LCS061599	5LCS061599	5LCS061599	5LCS061599
Prepared Date:	6/15/99	6/15/99	6/15/99	6/15/99
Analyzed Date:	6/15/99	6/15/99	6/15/99	6/15/99
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	18	18	18	57
LCS % Recov.:	90	90	90	95

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

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SECOR
1390 Willow Pass Rd, Ste 360
Concord, CA 94520
Attention: Greg Hoehn

Client Project ID: Bohannon
Matrix: Liquid
QC Sample Group: 9060856-858

Reported: Jun 22, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE
QC Batch#:	GC061699	GC061699	GC061699	GC061699	MS061899
Analy. Method:	802005A EPA 8020	802005A EPA 8020	802005A EPA 8020	802005A EPA 8020	8260S2A EPA 8260
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	N. Nelson
MS/MSD #:	9060876	9060876	9060876	9060876	9060856
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/16/99	6/16/99	6/16/99	6/16/99	6/18/99
Analyzed Date:	6/16/99	6/16/99	6/16/99	6/16/99	6/18/99
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	GC/MS-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	50 µg/L
Result:	19	19	19	59	46
MS % Recovery:	95	95	95	98	92
Dup. Result:	19	19	19	58	49
MSD % Recov.:	95	95	95	97	98
RPD:	0.0	0.0	0.0	1.7	6.3 ✓
RPD Limit:	0-20	0-20	0-20	0-20	0-25
LCS #:	5LCS061699	5LCS061699	5LCS061699	5LCS061699	LCS062199
Prepared Date:	6/16/99	6/16/99	6/16/99	6/16/99	6/21/99
Analyzed Date:	6/16/99	6/16/99	6/16/99	6/16/99	6/21/99
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5	GC/MS-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	50 µg/L
LCS Result:	20	20	19	59	55
LCS % Recov.:	100	100	95	98	110 ✓
MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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SECOR
1390 Willow Pass Rd, Ste 360
Concord, CA 94520
Attention: Greg Hoehn

Client Project ID: Bohannon
Matrix: Liquid
QC Sample Group: 9060856-858

Reported: Jun 22, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Chromium	Lead
QC Batch#:	ME061599	ME061599
	2007MDA	2007MDA
Analy. Method:	EPA 200.7	EPA 200.7
Prep. Method:	EPA 200.7	EPA 200.7
Analyst:	J. Kelly	J. Kelly
MS/MSD #:	9060826	9060826
Sample Conc.:	N.D.	0.028 mg/L
Prepared Date:	6/15/99	6/15/99
Analyzed Date:	6/17/99	6/17/99
Instrument I.D.#:	MV-3	MV-3
Conc. Spiked:	1.0 mg/L	1.0 mg/L
Result:	0.95	0.98
MS % Recovery:	95	95
Dup. Result:	0.97	1.0
MSD % Recov.:	97	97
RPD:	2.1	2.0
RPD Limit:	0-20	0-20

LCS #:	LCS061599	LCS061599
Prepared Date:	6/15/99	6/15/99
Analyzed Date:	6/17/99	6/17/99
Instrument I.D.#:	MV-3	MV-3
Conc. Spiked:	1.0 mg/L	1.0 mg/L
LCS Result:	0.97	1.0
LCS % Recov.:	97	100

MS/MSD LCS Control Limits	80-120	80-120

SEQUOIA ANALYTICAL, #1271

Dimple Sharma
Project Manager

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Chain-of Custody Number:

SECOR Chain-of Custody Record 9906245

Field Office: Concord
Address: 1390 Willow Pass Rd, Ste. 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

Project # 70074-001-03 Task # ____
Project Manager Greg Hoehn
Laboratory Sequoia
Turnaround Time Standard

Sampler's Name Charles Meluncon
Sampler's Signature

Analysis Request

Sample ID	Date	Time	Matrix	~~HVOs~~ MTBE 8260	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	Lead & Chromium 6010		Comments/ Instructions	Number of Containers
MW-1	6-8-99	14:40	Water	X	X				9060856			A	E			X		Filter & Preserve for metals	5
MW-2	↓	15:20	↓	X	X				9060857			↓				X			5
MW-3	↓	16:00	↓	X	X				9060858			↓				X			5

Special Instructions/Comments:

Relinquished by:
Sign
Print Charles Meluncon
Company SECOR
Time 17:15 Date 6-8-99

Relinquished by:
Sign
Print
Company
Time Date

Relinquished by:
Sign
Print
Company
Time Date

~~Relinquished~~ REC'D by:
Sign
Print Ronald C. Jensen
Company SECOR
Time 17:15 Date 6/8/99

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. 1/95

Date: 6 / 8 / 99 Page 1 of 1