Golder Associates Inc.
180 Grand Avenue, Suite 250
Oakland, California 94612
Telephone (510) 239-9000
Facsimile (510) 239-9010

TRANSMITTAL LETTER

TO: Ms. Eva Chu
Alameda County Environmental
Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda CA 94502-6577

DATE: August 20, 1999
PROJECT NO.: 963-7136

SENT BY: Kent R. Reynolds

X Mail
Hand Carried
Overnight Express (FedEx)

Other
Under Separate Cover
Enclosed

Quantity	Description
1 copy	Soil And Groundwater Investigation Report, Gallo Salame 2400 Baumann Avenue, San Lorenzo, California

Remarks: cc: Daryl Melville, Gallo Salame
Jack Quarle, JQ&A

8/30- Proposed excavation of hot Pb. Concern so don't need EMP when site is closed.

L99303.doc

Golder Associates Inc.

180 Grand Avenue, Suite 250
Oakland, CA USA 94612
Telephone (510) 239-9000
Fax (510) 239-9010

SOIL AND GROUNDWATER INVESTIGATION REPORT
2400 BAUMANN AVENUE
SAN LORENZO, CALIFORNIA

Prepared for:

Gallo Salame
2411 Baumann Avenue
San Lorenzo, California

Prepared by:

Golder Associates Inc.
Oakland, California

Craig A. Hall FOR
Dennis Maslonkowski, R.G., C.HG.
Senior Project Manager

Kent R. Reynolds
Senior Hydrogeologist

August 19, 1999

963-7136

TABLE OF CONTENTS

1. INTRODUCTION

This report presents the results of a soil and groundwater investigation conducted by Golder Associates Inc. (Golder) for the property located at 2400 Baumann Avenue, San Lorenzo, California (subject property or site, Figure 1). The investigation was conducted in response to comments presented in a letter prepared by Alameda County Environmental Health Department (ACEHD) dated May 7, 1998.

1.1 Site Location and Description

The subject property (site) is located in western San Lorenzo, approximately one-half mile east of the San Francisco Bay. The site was first developed in 1965 and until 1972 was occupied by Oakland Terrazzo Tile Company, a tile manufacturing and processing operation (ETM, 1996a). From 1972 to 1995 Service Manufacturing operated a truck body fabrication and painting facility at the site. Gallo Salame has modified the existing structure for use associated with food production.

An adjacent property, located northeast of the subject property at 2364 Baumann Avenue, was also formerly used by Service Manufacturing. The site is bordered to the northwest by the Gallo Salame food manufacturing plant (2411 Baumann Avenue); to the southeast by Santini Foods Inc. (16505 Worthley Drive); and to the southwest by J&S Trucking.

The site vicinity is zoned for heavy industrial use. The site is approximately one-acre in size and includes an approximately 15,400 square foot concrete, tilt-up style building. The majority of the area surrounding the building is asphalt paved (Figure 2).

1.2 Regional Geology and Hydrogeologic Setting

The site is located in an area reclaimed from the nearby bay margin and is immediately underlain by fill material composed of rock and surficial deposits derived from nearby cuts or quarries (Nilsen, 1973). This fill material is underlain by bay deposits consisting of alluvial and estuarian discontinuous deposits of soft mud and silt with some shell, peat, sand and gravel layers. Shallow groundwater is estimated to occur at approximately 7 to 8 feet (ft) below ground surface (bgs). Surface water from the site discharges via storm drains to San Francisco Bay.

Shallow, unconfined and discontinuous, water-bearing zones and clay beds extend to a depth of approximately 50 to 100 ft bgs. The uppermost shallow groundwater zone occurs throughout the San Lorenzo area at depths ranging from 5 to 30 feet (approximately 5 feet at the site), and the groundwater flow direction is generally to the west. Water levels in the shallow aquifers vary seasonally (Maslonkowski, 1984).

1.3 Previous Investigations

Previous investigations conducted by Environmental Testing & Management (ETM, 1996) and Golder (1997) identified the presence of benzene, toluene, ethyl benzene, and xylenes (BTEX) in soil in the vicinity of a former paint booth located along the south edge of the property (south canopy area). The previous investigations conducted by Golder concluded there was low risk to human health due to the low concentrations of BTEX and lead found at the 2400 Baumann Avenue site.

ETM (1996) identified the presence of methylene chloride (0.005 milligrams per kilogram (mg/kg)), acetone (0.350 mg/kg) and methyl ethyl ketone (0.140 mg/kg) in a soil sample collected from test pit TP-1 in the vicinity of the former east canopy area. Groundwater in TP-1 was found to contain carbon disulfide at a concentration of 0.013 milligrams per liter (mg/L). Elevated concentrations of lead were identified in a surface soil sample (S-3) at a concentration of 2,910 mg/kg, near the former south canopy area (Figure 2).

In a May 7, 1997 letter, ACEHD requested additional sampling for volatile organic compounds (VOCs) be conducted closer to the building near the test pit TP-1 and east canopy areas, and soil and groundwater sampling for lead be conducted in the south canopy area near sample S-1 (Figure 2).

In October 1998, Golder submitted a work plan (October 23, 1998) for additional soil and groundwater investigations in response to the ACEHD May 1997 letter. Following ACEHD review, an addendum to the work plan was submitted on March 16, 1999. The work plan and addendum were approved by ACEHD in their letter dated March 23, 1999.

2. SCOPE OF WORK

Golder performed a field investigation to assess potential impacts of VOCs and lead in soil and groundwater at the Gallo warehouse facility. On April 14, 1999, six boreholes (B-6, B-7, B-8, B-9, B-10, and B-11) were drilled using a hydraulically driven, direct-push drill rig operated by Precision Sampling, Inc. Two borings (B-6 and B-7) were drilled in the east canopy area. A third boring (B-8) was drilled down-gradient of the east canopy (Figure 2). Three borings (B-9, B-10, B-11) were drilled in the vicinity of the south canopy area.

Boreholes B-6, B-7, B-8, and B-11 were advanced to a total depth of approximately fifteen feet bgs. Boreholes B-9 and B-10 were advanced to approximately four feet bgs. Soil samples were collected from each borehole at approximately 0-0.5 feet and 4.5-5 feet (total of two samples per borehole). Borings were logged using the Unified Soil Classification System. All soil samples were screened for organic vapors with an organic vapor meter (OVM) equipped with a photoionization detector (PID). Copies of the borehole logs are included in Appendix A.

All soil samples were collected in butadiene sleeves, sealed with Teflon tape and caps, cooled to 4°C, and transported to Sequoia Analytical, a State of California certified laboratory under chain-of-custody protocol. All soil samples were analyzed for lead by EPA Method 7421. Soil samples collected from 4.5 to 5 feet in borings B-6, B-7, B-8 and B-11 were also analyzed for VOCs by EPA Method 8260 including methyl ethyl ketone (MEK) and 4-methyl-2-pentanone (MIBK).

Temporary well casing was installed in boreholes B-6, B-7, B-8 and B-11 to facilitate the collection of groundwater samples. Filter socks were placed around the screened section of the well casings. One well volume was purged with a peristaltic pump prior to sampling groundwater from each well casing. Groundwater samples for lead analysis were field filtered using a 0.45 micron filter prior to collection. New disposable polyethylene bailers were used to sample groundwater. After purging borehole B-6, the recharge was very slow. Due to the limited amount of available water only three, 40-milliliter vials were collected for VOC analysis. Therefore, no lead analysis was conducted on groundwater sample collected from borehole B-6.

All field equipment used in sampling was decontaminated between borings and samples. Water used to decontaminate the field equipment and borehole purge water were contained in 55-gallon drums, labeled and temporarily stored onsite. Soil generated during drilling was placed in 5-gallon pails, labeled, and temporarily stored onsite. At the completion of drilling and sampling, the piezometers were removed and the borings were grouted to the surface using neat cement.

3. FINDINGS AND CONCLUSIONS

3.1 Soil Stratigraphy

All six soil borings were continuously cored and logged to provide information on the shallow soil stratigraphy. Borehole logs are included in Appendix A. Review of the boring logs indicate that the site is underlain by six to seven feet of fill material consisting of sand and gravel and some organic debris. The fill material is underlain by silty clay with some thin interbedded sand lenses. Shallow groundwater occurs at a depth of approximately 6 feet and based on topography and regional studies is estimated to flow to the west.

3.2 Analytical Results

Soil and groundwater sample results are summarized in Tables 1 and 2, respectively. Laboratory reports are included in Appendix B. No VOCs were reported in the soil and groundwater samples collected from borings B-6 through B-11.

Lead was detected in all soil samples. The concentration of lead in the samples collected at the 3.5-4.5 foot depth interval (in all six boreholes) ranged from 3.0 to 49 mg/kg. Lead was reported at a concentration of 1,700 mg/kg in the surface soil sample collected from B-10 (0-0.5 ft bgs). However, the concentration of lead in the five other boreholes ranged from 2.6 to 130 mg/kg at ground surface (0-0.5 ft bgs).

3.3 Conclusions

No VOCs including methylene chloride, acetone or MEK were detected in boreholes (B-6 and B-7) near the ETM test pit TP-1 in the vicinity of the former east canopy area. Elevated concentrations of

lead in soil were identified in sample B-10 (1,700 mg/kg) in surface soil, near ETM's sample location S-3 located in the former south canopy area.

USEPA, Region IX established Primary Remediation Goals (PRGs) in September 1995 that combine EPA toxicity values with reasonable maximum exposure (RME) factors to estimate concentrations in environmental media (e.g., soil) that are protective of humans, including sensitive groups over a lifetime of exposure. PRG concentrations are based on exposure pathways (i.e., ingestion, dermal contact with soil and inhalation) for specific land-use conditions and do not consider impact to groundwater or ecological receptors (USEPA, 1995). USEPA also noted that an exceedance of the PRG would not automatically designate a site as "dirty" or trigger a response or cleanup action but it may indicate the need for further evaluation and/or a site-specific risk assessment. The concentration of lead in the sample collected from surface soil in the south canopy area exceeded its respective PRG of 400 mg/kg.

Title 22, Section 66261.24 provides a criteria for determining if a "waste" is hazardous by assessing the "waste" characteristics for its "toxicity" potential if selected substances detected in a "waste" exceed their respective toxicity characteristic leaching procedure (TCLP) levels by methods specified by USEPA, and their total threshold limit concentrations (TTLC) and soluble threshold limit concentrations (STLC) by methods specified by California Department of Toxic Substances Control (DTSC). Use of these criteria, however, may only be applicable in the event the soil and/or fill is excavated and disposed of offsite.

The maximum concentration of lead in soil exceeded its TTLC of 1,000 mg/kg in the B-10 sample only. Lead was not detected in the groundwater samples collected from boreholes B-7, B-8 and B-11. The presence of lead in soil at the site does not appear to have affected groundwater. Surface soil in this area will be removed to a depth of approximately one-foot to reduce the risk of potential future exposure to humans and the environment.

Following excavation, confirmation samples will be collected from the bottom and sidewalls of the excavation to assess the adequacy of the removal of lead-affected soil. Excavated soil will be appropriately stockpiled and profiled for offsite disposal. All field activities will be monitored and documented in a letter report including the disposition of excavated soil. Copies of waste manifests and laboratory analytical data will be appended to the report.

4. REFERENCES

Environmental Testing & Mgmt, 1996a. Phase I Environmental Investigation, Former Service Manufacturing - 2400 Baumann Avenue, San Lorenzo, California.

Environmental Testing & Mgmt, 1996b. Phase II Environmental Investigation, Former Service Manufacturing - 2400 Baumann Avenue, San Lorenzo, California.

Maslonkowski, D.P., 1984. Groundwater in the San Leandro and San Lorenzo Alluvial Cones of the East Bay Plain of Alameda County, Alameda County Flood Control and Water Conservation District.

Nilsen, T.H., 1973. Preliminary Small Photointerpretation Map of Landslide and Other Surficial Deposits of the Livermore and Part of the Hayward 15 minute quadrangles, Alameda and Contra Costa Counties, California, U.S.G.S. miscellaneous field studies map, MF-530.

United States Environmental Protection Agency, 1995, Region IX Preliminary Remediation Goals (PRGs), First Half 1995.

Table 1
Summary of Soil Analytical Results
Gallo Salame, 2400 Baumann Avenue, San Lorenzo, California

Sample Location	Sample Depth (feet)	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Lead
B6	0.5-1.0	NA	NA	NA	NA	28
B6	4.5-5.0	ND	ND	ND	ND	9.1
B7	0.0-0.5	NA	NA	NA	NA	130
B7	4.5-5.0	ND	ND	ND	ND	48
B8	0.0-0.5	NA	NA	NA	NA	20
B8	4.5-5.0	ND	ND	ND	ND	6.1
B9	0.0-0.5	NA	NA	NA	NA	9.2
B9	3.5-4.0	NA	NA	NA	NA	4.4
B10	0.0-0.5	NA	NA	NA	NA	1700
B10	4.0-4.5	NA	NA	NA	NA	3.9
B11	0.0-0.5	NA	NA	NA	NA	2.6
B11	4.5-5.0	ND	ND	ND	ND	5

Notes:

All concentrations reported in milligrams per kilogram (mg/kg).

ND = Not Detected (at or above reporting limit)

NA = Not Analyzed.

Table 2
Summary of Ground Water Analytical Results
Gallo Salame, 2400 Baumann Avenue, San Lorenzo, California

Sample Location	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Lead
B6	ND	ND	ND	ND	NA
B7	ND	ND	ND	ND	ND
B8	ND	ND	ND	ND	ND
B9	NA	NA	NA	NA	NA
B10	NA	NA	NA	NA	NA
B11	ND	ND	ND	ND	ND

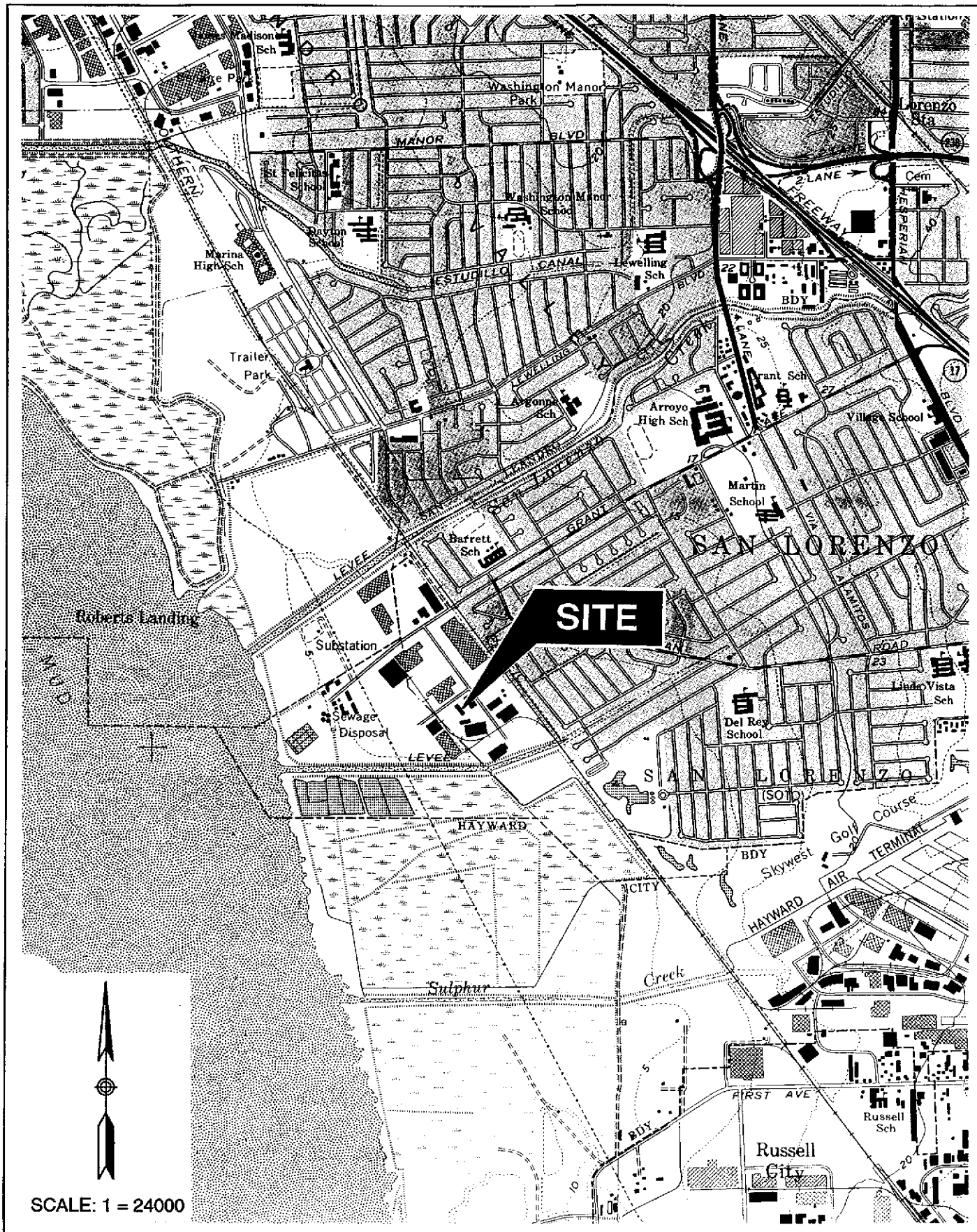
Notes:

All concentrations reported in milligrams per liter (mg/l).

ND = Not Detected (at or above reporting limit)

NA = Not Analyzed.

NS = Not Sampled

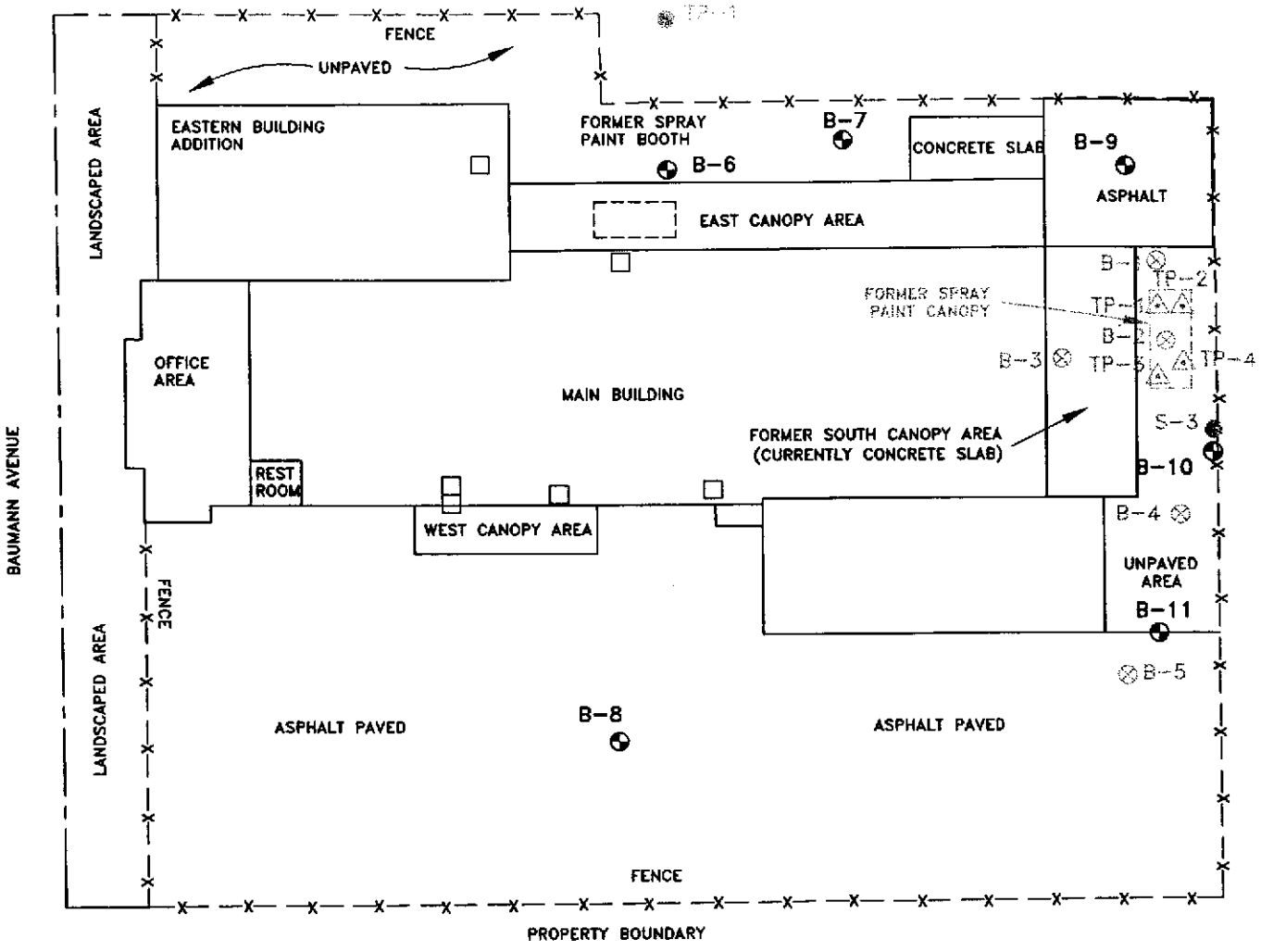


REFERENCE: BASE MAP MODIFIED FROM U.S.G.S. MAP, SAN LEANDRO QUADRANGLE,CA, 7.5 MINUTE SERIES (TOPOGRAPHIC), PHOTOREVISED 1980.

FIGURE 1
SITE LOCATION MAP
GALLO SALAME/SITE ASSESSMENT/CA

PROJECT NO. 963-7136.002 DRAWING NO. 4849 DATE 12/3/96 DRAWN BY DVR

Golder Associates



LEGEND:

- TP-1 — PREVIOUS SAMPLE LOCATION BY ENVIRONMENTAL TESTING AND MANAGEMENT, JUNE 1996
- TP-1 — PREVIOUS TEST PIT BY GOLDER 1997
- B-3 — PREVIOUS EXPLORATORY SAMPLE LOCATION BY GOLDER 1997
- B-8 — EXPLORATORY SAMPLE LOCATION BY GOLDER 1999

0 40 80

SCALE IN FEET

REFERENCE: BASE MAP MODIFIED FROM ENVIRONMENTAL TESTING AND MANAGEMENT, MARCH 1996.

FIGURE 2

SITE PLAN

GALLO SALAME/2400 BAUMANN AVENUE/CA

DWG ID: LONG | P:\963-7136\GRAPHICS\5951.DWG | 5-4-99 15:18 | xrf: NONE

Golder Associates

APPENDIX A

Borehole Logs

RECORD OF BOREHOLE # B-6

STA. B-6 OFFSET L R ELEVATION NA SHEET 1 OF 1
PROJECT NO. 963-7136.310 DRILLING DATE 4/7/99 DATUM MSL
INCLINATION 90 AZIMUTH NA DRILL RIG MD-1

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE DESCRIPTION	GRAPHIC LOG	USCS	SAMPLES NUMBER	SAMPLES TYPE*	SAMPLES BLOWS/ 6 IN.	SAMPLES RECOVERY	SAMPLE DESCRIPTION	NOTES / PIEZOMETER / STANDPIPE INSTALLATION
0	Direct Push	0-3.0 ft. Loose, light brown, SAND and GRAVEL, damp (FILL).		FILL					Sample B6 (0.5-1)	
2		3.0-4.5 ft. Stiff, brown CLAY, moist								
4		4.0-4.5 ft. Very stiff, SANDY SILT and GRAVEL up to 1/4 in. subangular, dry to moist.								
		4.5-9.0 ft. Soft, dark gray CLAY, moist to wet.		CL					Sample B6 (4.5-5) OVM = 12 ppm	
6										
8										
		9.0-10.0 ft. SILT seam/CLAYEY SILT, increase moisture - wet		ML						
10		10.0-13.0 ft. Soft, dark gray CLAY, moist to wet.		CL					OVM = 12 ppm	
12		Color changes to gray.								
14		Hard, blue-gray, SILTY CLAY, dry.							OVM = 12 ppm	
16		Total depth = 16.0 ft.							Borehole backfillde with neat cement on 4/7/99.	
18										
20										

DEPTH SCALE As Indicated
DRILLING CONTRACTOR Precision Drilling Inc.
DRILLER ---

Golder Associates

LOGGED BY M. Long
CHECKED K. Reynolds
DATE 5/99

RECORD OF BOREHOLE # B-7

STA. B-7 OFFSET L R ELEVATION NA SHEET 1 OF 1
PROJECT NO. 963-7136.310 DRILLING DATE 4/7/99 DATUM MSL
INCLINATION 90 AZIMUTH NA DRILL RIG MD-1

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE DESCRIPTION	GRAPHIC LOG	USCS	SAMPLES NUMBER	SAMPLES TYPE*	SAMPLES BLOWS/6 IN.	SAMPLES RECOVERY	SAMPLE DESCRIPTION	NOTES / PIEZOMETER / STANDPIPE INSTALLATION
0	Direct Push	0-2.0 ft. Loose to medium dense, reddish brown and gray, SILTY GRAVEL, damp.		FILL					Sample B7 (0-0.5) OVM = 12 ppm	
2		2.0-5.0 ft. Stiff, yellowish brown CLAY, moist.								
4		Color changes to green.							Sample B7 (4.5-5) OVM = 12 ppm	
6		5.0-7.5 ft. Soft gray, CLAY, moist to wet.		CL						
8		7.5-8.5 ft. Soft, gray, CLAYEY SILT, wet.		ML					OVM = 12 ppm	
10		8.5-16 ft. Soft, gray to brown CLAY, iron oxide staining, wet.		CL						
12		Color changes to gray. Medium stiff.							OVM = 12 ppm	
14		13.5-14.0 ft. Blue gray CLAY with SAND seam, wet.		ML						
16		14.0-16.0 ft. Soft, blue gray CLAY, wet.		CL						
18		Total depth = 16.0 ft.							Borehole backfillde with neat cement on 4/7/99.	
20										

DEPTH SCALE As Indicated
DRILLING CONTRACTOR Precision Drilling Inc.
DRILLER ---

Golder Associates

LOGGED BY M. Long
CHECKED K. Reynolds
DATE 5/99

RECORD OF BOREHOLE # B-8

STA. B-8 OFFSET L R ELEVATION NA SHEET 1 OF 1
PROJECT NO. 963-7136.310 DRILLING DATE 4/7/99 DATUM MSL
INCLINATION 90 AZIMUTH NA DRILL RIG MD-1

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE DESCRIPTION	GRAPHIC LOG	USCS	SAMPLES NUMBER	SAMPLES TYPE*	SAMPLES BLOWS/ 6 IN.	SAMPLES RECOVERY	SAMPLE DESCRIPTION	NOTES / PIEZOMETER / STANDPIPE INSTALLATION
0	Direct Push	1.0-2.0 ft. Loose, brown and gray, SILTY GRAVEL, damp.		FILL					Sample B8 (0-0.5)	
2		2.0-4.5 ft. Medium stiff, green and brown, SILTY CLAY, moist.							OVM = 12 ppm	
4									Sample B8 (4.5-5)	
6		4.5-7.0 ft. Medium soft, dark gray, CLAY, moist.		CL					OVM = 12 ppm	
8		7.0-8.0 ft. Soft, gray brown, CLAYEY SILT, wet.		ML						
10		8.0-11.0 ft. Dark gray, CLAY, wet.		CL						
12		11.0-13.5 ft. Medium, gray, CLAY, moist.								
14		13.5-14.0 ft. SAND seam.		SP					OVM = 12 ppm	
		14.0-16.0 ft. Medium stiff, blue gray, CLAY, moist.		CL						
16		Total depth = 16.0 ft.							Borehole backfillde with neat cement on 4/7/99.	
18										
20										

DEPTH SCALE As Indicated
DRILLING CONTRACTOR Precision Drilling Inc.
DRILLER —

Golder Associates

LOGGED BY M. Long
CHECKED K. Reynolds
DATE 5/99

RECORD OF BOREHOLE # B-9

STA. B-9 OFFSET L R ELEVATION NA SHEET 1 OF 1
PROJECT NO. 963-7136.310 DRILLING DATE 4/7/99 DATUM MSL
INCLINATION 90 AZIMUTH NA DRILL RIG MD-1

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE DESCRIPTION	GRAPHIC LOG	USCS	SAMPLES NUMBER	SAMPLES TYPE*	SAMPLES BLOWS/ 6 IN.	SAMPLES RECOVERY	SAMPLE DESCRIPTION	NOTES / PIEZOMETER / STANDPIPE INSTALLATION
0	Direct Push	0-1.0 ft. Loose to medium dense, brown gray SILTY GRAVEL, damp.		FILL					Sample B9 (0)	
									OVM = 12 ppm	
2		1.0-3.5 ft. Medium stiff, green CLAY, moist.								
									OVM = 12.5 ppm	
		At 3.5 ft.SILT seam-SILTY CLAY, moist.							Sample B9 (3.5-4.0)	
4		Total depth = 4.0 ft.							Borehole backfillde with neat cement on 4/7/99.	
6										
8										
10										
12										
14										
16										
18										
20										

DEPTH SCALE As Indicated
DRILLING CONTRACTOR Precision Drilling Inc.
DRILLER ---

Golder Associates

LOGGED BY M. Long
CHECKED K. Reynolds
DATE 5/99

RECORD OF BOREHOLE # B-10

STA. B-10 OFFSET L R ELEVATION NA SHEET 1 OF 1
PROJECT NO. 963-7136.310 DRILLING DATE 4/7/99 DATUM MSL
INCLINATION 90 AZIMUTH NA DRILL RIG MD-1

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE DESCRIPTION	GRAPHIC LOG	USCS	SAMPLES NUMBER	SAMPLES TYPE*	SAMPLES BLOWS/ 6 IN.	SAMPLES RECOVERY	SAMPLE DESCRIPTION	NOTES / PIEZOMETER / STANDPIPE INSTALLATION
0	Direct Push	0-1.0 ft. Loose to medium dense, brown gray SILTY GRAVEL, damp.		FILL					Sample B10 (0-0.5) OVM = 12 ppm	
2		1.0-3.5 ft. Loose, green, SILTY SAND, damp.							OVM = 12.5 ppm	
4		3.5-4.0 ft. Soft, green, SILTY CLAY, moist.							Sample B10 (3.5-4.0)	
		Total depth = 4.0 ft.							Borehole backfillde with neat cement on 4/7/99.	
6										
8										
10										
12										
14										
16										
18										
20										

DEPTH SCALE As Indicated
DRILLING CONTRACTOR Precision Drilling Inc.
DRILLER ---

Golder Associates

LOGGED BY M. Long
CHECKED K. Reynolds
DATE 5/99

RECORD OF BOREHOLE # B-11

STA. B-11 OFFSET L R ELEVATION NA SHEET 1 OF 1
PROJECT NO. 963-7136.310 DRILLING DATE 4/7/99 DATUM MSL
INCLINATION 90 AZIMUTH NA DRILL RIG MD-1

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE DESCRIPTION	GRAPHIC LOG	USCS	SAMPLES NUMBER	SAMPLES TYPE*	SAMPLES BLOWS/ 6 IN.	SAMPLES RECOVERY	SAMPLE DESCRIPTION	NOTES / PIEZOMETER / STANDPIPE INSTALLATION
0	Direct Push	0-1.5 ft. Loose, medium dense, brown SILTY GRAVEL, damp.		FILL					Sample B11 (0-0.5)	
		1.5-4.5 ft. Meium stiff, green, SILTY CLAY, moist.							OVM = 12 ppm	
2										
4									OVM = 12 ppm Borehole backfillde with neat cement on 4/7/99.	
		4.5-7.0 ft. Soft, gray, CLAY, wet.		CL					Sample B11 (4.5-5.0)	
6										
		7.0-8.0 ft. Soft, gray, CLAYEY SILT, wet.		ML						
8		8.0-9.0 ft. Soft, gray brown, CLAY, wet.		CL						
		9.0-10.0 ft. Soft, gray brown, CLAYEY SILT, iron oxide staining, wet.		ML						
10		10.0-16.0 ft. Soft, gray, CLAY, wet.		CL					OVM = 12 ppm	
12										
14										
16		Total depth = 16.0 ft.							Borehole backfillde with neat cement on 4/7/99.	
18										
20										

DEPTH SCALE As Indicated
DRILLING CONTRACTOR Precision Drilling Inc.
DRILLER ---

Golder Associates

LOGGED BY M. Long
CHECKED K. Reynolds
DATE 5/99

APPENDIX B

Laboratory Chemical Analyses Report

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-6-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0737	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
Benzene	100	N.D.
Bromobenzene	100	N.D.
Bromochloromethane	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
n-Butylbenzene	100	N.D.
sec-Butylbenzene	100	N.D.
tert-Butylbenzene	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
2-Chlorotoluene	100	N.D.
4-Chlorotoluene	100	N.D.
Dibromochloromethane	100	N.D.
1,2-Dibromo-3-chloropropane	100	N.D.
1,2-Dibromoethane	100	N.D.
Dibromomethane	100	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
Dichlorodifluoromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
1,3-Dichloropropane	100	N.D.
2,2-Dichloropropane	100	N.D.
1,1-Dichloropropene	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethyl Benzene	100	N.D.
Hexachlorobutadiene	500	N.D.
Isopropylbenzene	100	N.D.

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-6-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0737	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
p-Isopropyltoluene	100	N.D.
Methylene chloride	500	N.D.
Naphthalene	500	N.D.
n-Propylbenzene	100	N.D.
Styrene	100	N.D.
1,1,1,2-Tetrachloroethane	100	N.D.
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,2,3-Trichlorobenzene	500	N.D.
1,2,4-Trichlorobenzene	500	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
1,2,3-Trichloropropane	250	N.D.
1,2,4-Trimethylbenzene	100	N.D.
1,3,5-Trimethylbenzene	100	N.D.
Vinyl chloride	100	N.D.
Total-Xylene	100	N.D.
MEK	500	N.D.
MIBK	500	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	97
Toluene-d8	50	150	99
4-Bromofluorobenzene	50	150	96

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-7-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0739	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
Benzene	100	N.D.
Bromobenzene	100	N.D.
Bromochloromethane	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
n-Butylbenzene	100	N.D.
sec-Butylbenzene	100	N.D.
tert-Butylbenzene	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
2-Chlorotoluene	100	N.D.
4-Chlorotoluene	100	N.D.
Dibromochloromethane	100	N.D.
1,2-Dibromo-3-chloropropane	100	N.D.
1,2-Dibromoethane	100	N.D.
Dibromomethane	100	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
Dichlorodifluoromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
1,3-Dichloropropane	100	N.D.
2,2-Dichloropropane	100	N.D.
1,1-Dichloropropene	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethyl Benzene	100	N.D.
Hexachlorobutadiene	500	N.D.
Isopropylbenzene	100	N.D.

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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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-7-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0739	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
p-Isopropyltoluene	100	N.D.
Methylene chloride	500	N.D.
Naphthalene	500	N.D.
n-Propylbenzene	100	N.D.
Styrene	100	N.D.
1,1,1,2-Tetrachloroethane	100	N.D.
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,2,3-Trichlorobenzene	500	N.D.
1,2,4-Trichlorobenzene	500	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
1,2,3-Trichloropropane	250	N.D.
1,2,4-Trimethylbenzene	100	N.D.
1,3,5-Trimethylbenzene	100	N.D.
Vinyl chloride	100	N.D.
Total-Xylene	100	N.D.
MEK	500	N.D.
MIBK	500	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	97
Toluene-d8	50	150	98
4-Bromofluorobenzene	50	150	100

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-8-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0741	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
Benzene	100	N.D.
Bromobenzene	100	N.D.
Bromochloromethane	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
n-Butylbenzene	100	N.D.
sec-Butylbenzene	100	N.D.
tert-Butylbenzene	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
2-Chlorotoluene	100	N.D.
4-Chlorotoluene	100	N.D.
Dibromochloromethane	100	N.D.
1,2-Dibromo-3-chloropropane	100	N.D.
1,2-Dibromoethane	100	N.D.
Dibromomethane	100	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
Dichlorodifluoromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
1,3-Dichloropropane	100	N.D.
2,2-Dichloropropane	100	N.D.
1,1-Dichloropropene	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethyl Benzene	100	N.D.
Hexachlorobutadiene	500	N.D.
Isopropylbenzene	100	N.D.

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-8-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0741	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
p-Isopropyltoluene	100	N.D.
Methylene chloride	500	N.D.
Naphthalene	500	N.D.
n-Propylbenzene	100	N.D.
Styrene	100	N.D.
1,1,1,2-Tetrachloroethane	100	N.D.
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,2,3-Trichlorobenzene	500	N.D.
1,2,4-Trichlorobenzene	500	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
1,2,3-Trichloropropane	250	N.D.
1,2,4-Trimethylbenzene	100	N.D.
1,3,5-Trimethylbenzene	100	N.D.
Vinyl chloride	100	N.D.
Total-Xylene	100	N.D.
MEK	500	N.D.
MIBK	500	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	97
Toluene-d8	50	150	99
4-Bromofluorobenzene	50	150	101

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-11-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0747	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
Benzene	100	N.D.
Bromobenzene	100	N.D.
Bromochloromethane	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
n-Butylbenzene	100	N.D.
sec-Butylbenzene	100	N.D.
tert-Butylbenzene	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	100	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
2-Chlorotoluene	100	N.D.
4-Chlorotoluene	100	N.D.
Dibromochloromethane	100	N.D.
1,2-Dibromo-3-chloropropane	100	N.D.
1,2-Dibromoethane	100	N.D.
Dibromomethane	100	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
Dichlorodifluoromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
cis-1,2-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
1,3-Dichloropropane	100	N.D.
2,2-Dichloropropane	100	N.D.
1,1-Dichloropropene	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethyl Benzene	100	N.D.
Hexachlorobutadiene	500	N.D.
Isopropylbenzene	100	N.D.

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Soil, B-11-4.5'	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0747	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/Kg	Sample Results µg/Kg
p-Isopropyltoluene	100	N.D.
Methylene chloride	500	N.D.
Naphthalene	500	N.D.
n-Propylbenzene	100	N.D.
Styrene	100	N.D.
1,1,1,2-Tetrachloroethane	100	N.D.
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,2,3-Trichlorobenzene	500	N.D.
1,2,4-Trichlorobenzene	500	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
1,2,3-Trichloropropane	250	N.D.
1,2,4-Trimethylbenzene	100	N.D.
1,3,5-Trimethylbenzene	100	N.D.
Vinyl chloride	100	N.D.
Total-Xylene	100	N.D.
MEK	500	N.D.
MIBK	500	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	96
Toluene-d8	50	150	99
4-Bromofluorobenzene	50	150	100

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-6	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0748	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	2.0	N.D.
Bromobenzene	2.0	N.D.
Bromochloromethane	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
n-Butylbenzene	2.0	N.D.
sec-Butylbenzene	2.0	N.D.
tert-Butylbenzene	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
2-Chlorotoluene	2.0	N.D.
4-Chlorotoluene	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,2-Dibromo-3-chloropropane	2.0	N.D.
1,2-Dibromoethane	2.0	N.D.
Dibromomethane	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
Dichlorodifluoromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
1,3-Dichloropropane	2.0	N.D.
2,2-Dichloropropane	2.0	N.D.
1,1-Dichloropropene	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethyl Benzene	2.0	N.D.
Hexachlorobutadiene	10	N.D.
Isopropylbenzene	2.0	N.D.

Sequoia Analytical

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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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-6	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0748	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
p-Isopropyltoluene	2.0	N.D.
Methylene chloride	10	N.D.
Naphthalene	10	N.D.
n-Propylbenzene	2.0	N.D.
Styrene	2.0	N.D.
1,1,1,2-Tetrachloroethane	2.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,2,3-Trichlorobenzene	10	N.D.
1,2,4-Trichlorobenzene	10	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
1,2,3-Trichloropropane	5.0	N.D.
1,2,4-Trimethylbenzene	2.0	N.D.
1,3,5-Trimethylbenzene	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total-Xylene	2.0	N.D.
MEK	10	N.D.
MIBK	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	100
Toluene-d8	50	150	99
4-Bromofluorobenzene	50	150	101

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-7	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0749	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	2.0	N.D.
Bromobenzene	2.0	N.D.
Bromochloromethane	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
n-Butylbenzene	2.0	N.D.
sec-Butylbenzene	2.0	N.D.
tert-Butylbenzene	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
2-Chlorotoluene	2.0	N.D.
4-Chlorotoluene	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,2-Dibromo-3-chloropropane	2.0	N.D.
1,2-Dibromoethane	2.0	N.D.
Dibromomethane	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
Dichlorodifluoromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
1,3-Dichloropropane	2.0	N.D.
2,2-Dichloropropane	2.0	N.D.
1,1-Dichloropropene	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethyl Benzene	2.0	N.D.
Hexachlorobutadiene	10	N.D.
Isopropylbenzene	2.0	N.D.

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-7	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0749	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
p-Isopropyltoluene	2.0	N.D.
Methylene chloride	10	N.D.
Naphthalene	10	N.D.
n-Propylbenzene	2.0	N.D.
Styrene	2.0	N.D.
1,1,1,2-Tetrachloroethane	2.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,2,3-Trichlorobenzene	10	N.D.
1,2,4-Trichlorobenzene	10	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
1,2,3-Trichloropropane	5.0	N.D.
1,2,4-Trimethylbenzene	2.0	N.D.
1,3,5-Trimethylbenzene	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total-Xylene	2.0	N.D.
MEK	10	N.D.
MIBK	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	99
Toluene-d8	50	150	98
4-Bromofluorobenzene	50	150	103

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

9040737.GOL <12>

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-8	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0750	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	2.0	N.D.
Bromobenzene	2.0	N.D.
Bromochloromethane	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
n-Butylbenzene	2.0	N.D.
sec-Butylbenzene	2.0	N.D.
tert-Butylbenzene	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
2-Chlorotoluene	2.0	N.D.
4-Chlorotoluene	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,2-Dibromo-3-chloropropane	2.0	N.D.
1,2-Dibromoethane	2.0	N.D.
Dibromomethane	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
Dichlorodifluoromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
1,3-Dichloropropane	2.0	N.D.
2,2-Dichloropropane	2.0	N.D.
1,1-Dichloropropene	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethyl Benzene	2.0	N.D.
Hexachlorobutadiene	10	N.D.
Isopropylbenzene	2.0	N.D.

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-8	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0750	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
p-Isopropyltoluene	2.0	N.D.
Methylene chloride	10	N.D.
Naphthalene	10	N.D.
n-Propylbenzene	2.0	N.D.
Styrene	2.0	N.D.
1,1,1,2-Tetrachloroethane	2.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,2,3-Trichlorobenzene	10	N.D.
1,2,4-Trichlorobenzene	10	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
1,2,3-Trichloropropane	5.0	N.D.
1,2,4-Trimethylbenzene	2.0	N.D.
1,3,5-Trimethylbenzene	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total-Xylene	2.0	N.D.
MEK	10	N.D.
MIBK	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	101
Toluene-d8	50	150	99
4-Bromofluorobenzene	50	150	100

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

SEQUOIA ANALYTICAL, #1271

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-11	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0751	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	2.0	N.D.
Bromobenzene	2.0	N.D.
Bromochloromethane	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
n-Butylbenzene	2.0	N.D.
sec-Butylbenzene	2.0	N.D.
tert-Butylbenzene	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chlorobenzene	2.0	N.D.
Chloroethane	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
2-Chlorotoluene	2.0	N.D.
4-Chlorotoluene	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,2-Dibromo-3-chloropropane	2.0	N.D.
1,2-Dibromoethane	2.0	N.D.
Dibromomethane	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
Dichlorodifluoromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethene	2.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
1,3-Dichloropropane	2.0	N.D.
2,2-Dichloropropane	2.0	N.D.
1,1-Dichloropropene	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethyl Benzene	2.0	N.D.
Hexachlorobutadiene	10	N.D.
Isopropylbenzene	2.0	N.D.

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

Golder & Associates	Client Project ID:	Gallo/San Lorenzo	Sampled:	Apr 7, 1999
180 Grand Avenue, Suite #250	Sample Descript:	Water, B-11	Received:	Apr 9, 1999
Oakland, CA 94612	Analysis Method:	EPA 8260	Analyzed:	Apr 14, 1999
Attention: Marcus Long	Lab Number:	904-0751	Reported:	Apr 30, 1999

VOLATILE ORGANIC COMPOUNDS (EPA 8260)

Analyte	Detection Limit µg/L	Sample Results µg/L
p-Isopropyltoluene	2.0	N.D.
Methylene chloride	10	N.D.
Naphthalene	10	N.D.
n-Propylbenzene	2.0	N.D.
Styrene	2.0	N.D.
1,1,1,2-Tetrachloroethane	2.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,2,3-Trichlorobenzene	10	N.D.
1,2,4-Trichlorobenzene	10	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
1,2,3-Trichloropropane	5.0	N.D.
1,2,4-Trimethylbenzene	2.0	N.D.
1,3,5-Trimethylbenzene	2.0	N.D.
Vinyl chloride	2.0	N.D.
Total-Xylene	2.0	N.D.
MEK	10	N.D.
MIBK	10	N.D.

Surrogates	Control Limit %		% Recovery
Dibromofluoromethane	50	150	100
Toluene-d8	50	150	99
4-Bromofluorobenzene	50	150	102

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Sequoia Analytical

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404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Golder & Associates
180 Grand Avenue, Suite #250
Oakland, CA 94612
Attention: Marcus Long

Client Project ID: Gallo/San Lorenzo
Sample Descript: Soil
Analysis for: Lead
First Sample #: 904-0736

Sampled: Apr 7, 1999
Received: Apr 9, 1999
Digested: Apr 20, 1999
Analyzed: Apr 21-22, 1999
Reported: Apr 20, 1999

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/kg	Sample Result mg/kg
904-0736	B-6-0.5'	0.25	28
904-0737	B-6-4.5'	0.25	9.1
904-0738	B-7-0'	0.25	130
904-0739	B-7-4.5'	0.25	48
904-0740	B-8-0'	0.25	20
904-0741	B-8-4.5'	0.25	6.1
904-0742	B-9-0'	0.25	9.2
904-0743	B-9-3.5'	0.25	4.4
904-0744	B-10-0'	0.25	1,700
904-0745	B-10-4.0'	0.25	3.9
904-0746	B-11-0'	0.25	2.6
904-0747	B-11-4.5'	0.25	5.0

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

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Golder & Associates
180 Grand Avenue, Suite #250
Oakland, CA 94612
Attention: Marcus Long

Client Project ID: Gallo/San Lorenzo
Sample Descript: Water
Analysis for: Lead
First Sample #: 904-0749

Sampled: Apr 7, 1999
Received: Apr 9, 1999
Digested Apr 13, 1999
Analyzed: Apr 21, 1999
Reported: Apr 30, 1999

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
904-0749	B-7	0.0050	N.D.
904-0750	B-8	0.0050	N.D.
904-0751	B-11	0.0050	N.D.

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

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

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

Golder & Associates
180 Grand Avenue, Suite #250
Oakland, CA 94612
Attention: Marcus Long

Client Project ID: Gallo/San Lorenzo
Matrix: Liquid
QC Sample Group: 9040736-747
Reported: May 4, 1999

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene	Lead
QC Batch#:	MS041399	MS041399	MS041399	MS041399	MS041399	ME041399
	8260S2A	8260S2A	8260S2A	8260S2A	8260S2A	3020MDA
Analy. Method:	EPA 8260	EPA 8260	EPA 8260	EPA 8260	EPA 8260	EPA 239.2
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3020
Analyst:	N. Nelson	N. Nelson	N. Nelson	N. Nelson	N. Nelson	T. Le
MS/MSD #:	9040244	9040244	9040244	9040244	9040244	9040346
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
Analyzed Date:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/21/99
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	MV-2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L	0.10 mg/L
Result:	49	57	56	58	59	0.086
MS % Recovery:	98	114	112	116	118	86
Dup. Result:	51	59	59	59	60	0.081
MSD % Recov.:	102	118	118	118	120	81
RPD:	4.0	3.4	5.2	1.7	1.7	6.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25	0-20
LCS #:	LCS041399	LCS041399	LCS041399	LCS041399	LCS041399	LCS041399
Prepared Date:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99
Analyzed Date:	4/13/99	4/13/99	4/13/99	4/13/99	4/13/99	4/21/99
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	MV-2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L	0.10 mg/L
LCS Result:	44	52	51	52	51	0.086
LCS % Recov.:	88	104	102	104	102	86
MS/MSD LCS Control Limits	65-135	70-130	70-130	70-130	70-130	80-120

SEQUOIA ANALYTICAL, #1271

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

Golder & Associates
180 Grand Avenue, Suite #250
Oakland, CA 94612
Attention: Marcus Long

Client Project ID: Gallo/San Lorenzo
Matrix: Solid
QC Sample Group: 9040748-751
Reported: May 4, 1999

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene	Lead
QC Batch#:	MS041399	MS041399	MS041399	MS041399	MS041399	ME042099
	8260EXA	8260EXA	8260EXA	8260EXA	8260EXA	3050MDA
Analy. Method:	EPA 8260	EPA 8260	EPA 8260	EPA 8260	EPA 8260	EPA 7421
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3050
Analyst:	N. Nelson	N. Nelson	N. Nelson	N. Nelson	N. Nelson	T. Le
MS/MSD #:	9040737	9040737	9040737	9040737	9040737	9040737
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	9.1 mg/kg
Prepared Date:	4/14/99	4/14/99	4/14/99	4/14/99	4/14/99	4/20/99
Analyzed Date:	4/14/99	4/14/99	4/14/99	4/14/99	4/14/99	4/21/99
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	MV-2
Conc. Spiked:	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	50 mg/kg
Result:	2500	3000	3000	3100	3100	51
MS % Recovery:	100	120	120	124	124	84
Dup. Result:	2400	2800	2800	2900	2900	51
MSD % Recov.:	96	112	112	116	116	84
RPD:	4.1	6.9	6.9	6.7	6.7	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25	0-20
LCS #:	LCS041499	LCS041499	LCS041499	LCS041499	LCS041499	LCS042099
Prepared Date:	4/14/99	4/14/99	4/14/99	4/14/99	4/14/99	4/20/99
Analyzed Date:	4/14/99	4/14/99	4/14/99	4/14/99	4/14/99	4/21/99
Instrument I.D.#:	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	GC/MS-2	MV-2
Conc. Spiked:	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	2500 µg/kg	50 mg/kg
LCS Result:	2200	2600	2500	2600	2600	41
LCS % Recov.:	88	104	100	104	104	82
MS/MSD LCS Control Limits	65-135	70-130	70-130	70-130	70-130	80-120

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
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

Golder Associates Inc.
180 Grand Avenue, Suite 250
Oakland, California 94612
Phone: (510) 239-9000
Fax: (510) 239-9010

CHAIN OF CUSTODY RECORD

9904223

Golder Associates

Project Name: GALLO/SAN LORENZO/CA	Report to (Golder Project Manager): KENT REYNOLDS
Site Location: 2400 BAUMANN AVE	Sampled By: MARCUS LONG
Project Number: 963-7136.210	Turnaround Time: STANDARD

LAB: SEQUOIA WALNUT CREEK

	Sample Identification	Date Sampled	Time Sampled	Container Type	Matrix/ Media	Number of Containers	Lab's Sample Number	7421 (LEAD)	SAMPLES FIELD FILTERED FOR MET 6	8260 + MEK + MIBK	Comments (Preservatives)	
1	B-6-0.5'	4-7-99		TUBE	SOIL	1	9040736				NONE	9040736
2	B-6-4.5'						9040737		X			9040737
3	B-7-0'						9040738					9040738
4	B-7-4.5'						9040739		X			9040739
5	B-8-0'						9040740					9040740
6	B-8-4.5'						9040741		X	NOT THESE		9040741
7	B-9-0'						9040742					9040742
8	B-9-3.5'						9040743					9040743
9	B-10-0						9040744					9040744
10	B-10-4.0'						9040745					9040745
11	B-11-0						9040746					9040746
12	B-11-4.5'						9040747		X			9040747
13	B-6			VOA	H_2O	3	9040748		X		HCl	9040748A-C
14	B-7			1 l PLAS		1	9040749	X			#HNO_3	9040749A-B
15	B-7			VOA		3			X		HCl	↓ ↓
16	B-8			1 l PLAS		1	9040750	X			HNO_3	9040750A-B
17	B-8			VOA		3			X		HCl	↓ ↓
18	B-11			1 l PLAS		1	9040751	X			HNO_3	9040751A-B
19	B-11	↓		VOA	↓	3	↓		X		HCl	↓ ↓
20							4/9/99					

1. Relinquished By: [signature]	Date: 4-9-99 Time: 800	1. Received By: [signature]	Date: 4/9/99 Time: 800
2. Relinquished By:	Date: Time:	2. Received By:	Date: Time:
3. Relinquished By:	Date: Time:	3. Received By:	Date: Time:

White - Lab Copy Yellow - Lab Copy Pink - Golder Copy