

Garcia-La Grille, Roseanna, Env. Health

From: Bob Lauritzen [blauritzen@grinc.com]
Sent: Monday, January 03, 2005 10:57 AM
To: Garcia-La Grille, Roseanna, Env. Health
Subject: RE: Schweickert - Phase I Results



DOC000.PDF

Boring Logs attached.

Bob

-----Original Message-----

*From: Garcia-La Grille, Roseanna, Env. Health
[mailto:roseanna.garcia-lagrille@acgov.org]
Sent: Monday, January 03, 2005 10:51 AM
To: 'Bob Lauritzen'
Subject: RE: Schweickert - Phase I Results*

Hi Bob,

Thank you for the results of the initial investigation. Can you please email or fax me the draft boring logs from this sampling?

Thank you!

Roseanna

-----Original Message-----

*From: Bob Lauritzen [mailto:blauritzen@grinc.com]
Sent: Thursday, December 30, 2004 9:02 AM
To: Garcia-La Grille, Roseanna, Env. Health
Subject: Schweickert - Phase I Results*

Roseanna,

Attached are the results of the first phase of our investigation at the Schweickert residence for your review. As you can see detectable concentrations of TPH-D were found in soil samples at the bottom of each

boring we drilled. This depth of 65 to 70 feet is the maximum depth that the Geoprobe equipment can reach in this area. Water samples were collected from 40 to 45 feet from each of these borings. At this time, we recommend completing our proposed scope of work by continuing to drill and sample to 65 or 70 feet unless directed otherwise by the Alameda County Environmental Health Department. We are scheduled to start the second phase of work on 1/13/05 so a quick response would be appreciated.

Thanks,

Robert Lauritzen, R.G.

Senior Geologist

Gettler-Ryan Inc.

3140 Gold Camp Dr. #170

Rancho Cordova, CA 95670

916-631-1300 x18(o)

916-631-1317 (f)

916-240-4626 (c)



Gettler - Ryan Inc.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568
 TELEPHONE: (925) 551-7555
 FAX: (925) 551-7888

Log of PZ-1

DATE STARTED: 12-02-04

PROJECT NUMBER: 948209.04

DATE COMPLETED: 12-03-04

PROJECT NAME: Marie Schwiackert Residence

DEPTH TO WATER: 40 feet DATE: 12-02-03 TIME: 09:09

LOCATION: 515 S. Livermore Ave., Livermore, CA

TOTAL DEPTH: 71 feet

DRILLING METHOD: Direct Push - 1 1/4"

LOGGED BY: Geoffrey D. Risse

SAMPLING METHOD: Core Sampler

DRILLER: Fisch, Environmental Exploration Service

DEPTH (ft. bgl)	BLOWS / 1/2 ft	PDI (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	U.S.C.S.	GEOLOGIC DESCRIPTION	WELL DIAGRAM
5							upper 40 feet not logged due to proximity to B-1	<p>Concrete Vault</p> <p>neat cement</p> <p>bentonite</p> <p># 2 / 1/2 Sand</p> <p>3/4" PVC (Sch. 40)</p> <p>Pre-Packed Well Screen</p>
10								
15								
20								
25								
30								
35								
						water measured at 35 feet 12-03-04 at 10:00		

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SAMPLING METHOD: Core Sampled

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DEPTH (ft bgl)	BLOWS / 1/2 ft	PDI (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	U.S.C.S.	GEOLOGIC DESCRIPTION	WELL DIAGRAM
40	-	-	PZ1-40	█	GP	GP	upper 40 feet not logged due to proximity to B-1 saturated at 40 feet Grey (6/N), saturated, 70% gravel, 20% silt, 10% sand, strong Hydrocarbon odor	
45	-	-	PZ-1 Water PZ1-45	█	GP	GP	collected grab GW sample at 44 feet Grey (6/N), saturated, 80% clay, 15% silt, 5% sand	
50	-	-	PZ1-50	█	CL	CL	Reddish brown (2.5YR 4/3), satyrated, 80% clay, 20% silt, faint odor	
55	-	-	PZ1-55	█	GP CL	GP CL	Grey (6/N), saturated, 80% gravel, 10% silt, 10% sand, faint odor Reddish brown (2.5YR 4/3), saturated, 80% clay, 20% silt	
60	-	-	PZ1-60	█	GP	GP	Grey (6/N), saturated, 80% gravel, 20% silt	
65	-	-	PZ1-65	█	GP	GP	Reddish brown (2.5YR 4/3), moist, 70% gravel, 25% sand, 5% silt	
70	-	-	PZ1-70	█	GP	GP		
							Bottom of borehole at 71 feet	

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Log of B-2

DATE STARTED: 12-02-04

PROJECT NUMBER: 948209.04

DATE COMPLETED: 12-03-04

PROJECT NAME: Marie Schwieckert Residence

DEPTH TO WATER: 35 feet DATE: 12-03-03 TIME: 11:55

LOCATION: 515 S. Livemore Ave., Livemore, CA

TOTAL DEPTH: 71 feet

DRILLING METHOD: Direct Push - 1 1/4"

LOGGED BY: Geoffrey D. Risse

SAMPLING METHOD: Core Sampler

DRILLER: Fisch, Environmental Exploration Service

DEPTH (ft. bgs)	BLOWS / 12" ft	FDI (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	U.S.C.S.	GEOLOGIC DESCRIPTION	WELL DIAGRAM
5	-	0	B2-5	█			Fill (silt and gravel), dry	Boring backfilled to 1 foot bgs with neat cement completed to ground surface with native soil
10	-	0	B2-10	█			Fill (silt and gravel), dry	
15	-	0	B2-15	█		CL	Brown (7.5YR 4/3), dry, 80% clay, 20% silt	
20	-	0	B2-20	█		GP	Brown (7.5YR 4/2), moist, 60% gravel, 30% sand, 10% silt	
25	-	0		█		GP	course gravel, 90% gravel, 10% silt	
30	-	0	B2-30	█		GP	Brown (7.5YR 4/3), dry, 70% gravel, 30% sand	
35	-	0	B2-35	█		GP	Brown (7.5YR 4/2), saturated, 70% gravel, 20% clay, 10% silt	

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Log of B-2

DATE STARTED: 12-02-04

PROJECT NUMBER: 948209.04

DATE COMPLETED: 12-03-04

PROJECT NAME: Marie Schieweckert Residence

DEPTH TO WATER: 35 feet DATE: 12-02-03 TIME: 11:55

LOCATION: 515 S. Livermore Ave., Livermore, CA

TOTAL DEPTH: 71 feet

DRILLING METHOD: Direct Push - 1 1/4"

LOGGED BY: Geoffrey D. Risse

SAMPLING METHOD: Core Sampler

DRILLER: Fisch, Environmental Exploration Services

DEPTH (ft. bgl)	BLOWS / 12 ft	PDI (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	U.S.C.S.	GEOLOGIC DESCRIPTION	WELL DIAGRAM
40	-	0	B2-40	█		GP	hit refusal at 39 feet, moved over 1 foot and advanced second hole to 40 feet, collected grab GW sample at 40 feet Brown (7.5YR 4/3), saturated, 80% fine to course gravel, 20% silt	Boring backfilled to 1 foot bgs with neat cement completed to ground surface with native soil
45	-	0	B2-45	█		GP	as above	
50	-	0	B2-50	█		CL	Brown (7.5YR 4/3), saturated, 90% clay, 10% silt color change at 50' to grey and strong odor 70% clay, 30% silt (5/N)	
55	-	0	B2-55	█		GP	Reddish brown (7.5YR 4/2), saturated, 70% fine to course gravel, 30% clay, faint odor	
60	-	0	B2-60	█		GP	Brown (7.5YR 4/2), saturated, 80% clay, 20% medium to course gravel	
65	-	0	B2-65	█		GP	Reddish brown (5YR 4/3), saturated, 70% gravel, 30% silt	
70	-	0	B2-70	█		GP	Reddish brown (5YR 4/3), saturated, 90% clay, 10% course gravel Bottom of borehole at 71 feet	

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Log of B-3

DATE STARTED: 12-17-04

PROJECT NUMBER: 948209.04

DATE COMPLETED: 12-17-04

PROJECT NAME: Marie Schwieckert Residence

DEPTH TO WATER: 35 feet DATE: 12-17-03 TIME: 09:46

LOCATION: 515 S. Livermore Ave., Livermore, CA

TOTAL DEPTH: 65.5 feet

DRILLING METHOD: Direct Push - 1 1/4"

LOGGED BY: Geoffrey D. Risse

SAMPLING METHOD: Core Sampler

DRILLER: Fisch, Environmental Exploration Service

DEPTH (ft. bgl)	BLOWS / 1/2 ft	POI (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	U.S.C.S.	GEOLOGIC DESCRIPTION	WELL DIAGRAM
5	-	0	B3-5	█			Fill (gravel and silt), dry, loose	Boring backfilled to 1 foot bgs with neat cement compacted to ground surface with native soil
10	-	0	B3-10	█			Fill (gravel and silt), dry, loose	
15	-	0	B3-15	█		CL	Brown (7.5YR 4/4), moist, medium stiff, 70% clay, 30% silt	
20	-	0	B3-20	█		GP	Brown (7.5YR 4/3), dry, medium dense, 80% fine to course gravel, 20% silt	
25	-	0	B3-25	█		GP	Brown (7.5YR 4/4), dry, dense, 80% fine to course gravel, 20% silt	
30	-	0	B3-30	█		GP	Brown (7.5YR 4/3), moist, dense, 70% fine to medium gravel, 20% silt, fine sand	
35	-	0	B3-35	█		CL	Reddish brown (5YR 4/4), saturated, stiff, 70% clay, 20% fine to medium gravel, 10% silt	

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Gettler - Ryan Inc.
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Log of B-3

DATE STARTED: 12-17-04

PROJECT NUMBER: 948209.04

DATE COMPLETED: 12-17-04

PROJECT NAME: Marie Schwieckert Residence

DEPTH TO WATER: 35 feet DATE: 12-17-03 TIME: 09:46

LOCATION: 515 S. Livermore Ave., Livermore, CA

TOTAL DEPTH: 65.5 feet

DRILLING METHOD: Direct Push - 1 1/4"

LOGGED BY: Geoffrey D. Risse

SAMPLING METHOD: Core Sampler

DRILLER: Fisch, Environmental Exploration Services

DEPTH (ft. bgs)	BLOWS / 12 ft	PDI (ppm)	SAMPLE NO.	RECOVERY	GRAPHIC LOG	U.S.C.S.	GEOLOGIC DESCRIPTION	WELL DIAGRAM
						CL		Boring backfilled to 1 foot bgs with neat cement completed to ground surface with native soil
40	-	0	B3-40			GP	Reddish brown (2.5YR 4/4), saturated, stiff, 80% silt, 20% fine to medium gravel	
			B-3 water				grab GW sample collected at 44 feet	
45	-	0	B3-45			CL	Brown (10YR 4/3), saturated, stiff, 80% clay, 20% silt	
50	-	0	B3-50			GP	Brown (7.5YR 4/4), saturated, dense, 70% fine to medium gravel, 20% sand, 10% silt	
55	-	4	B3-55			CL	Greyish brown (10YR 5/2), saturated, stiff, 80% clay, 15% silt, 5% fine gravel, faint odor	
60	-	11	B3-60			CL	Grey (5/N), saturated, stiff, 70% clay, 20% fine gravel, 10% sand, strong odor	
						CL	Hard drilling - compacted gravel (?) between 61' and 64' same as above, strong odor	
65	-	8	B3-65			GP	Brown (7.5YR 4/4), dry, very dense, 90% fine to medium gravel, 10% sand refusal at 65.5', hard compacted gravel, very dense	
70							Bottom of borehole at 65.5 feet	

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