

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							<div style="border: 2px solid green; padding: 10px; background-color: #e0e0e0;"> <p><b>RECEIVED</b></p> <p>2:34 pm, Sep 28, 2010</p> <p>Alameda County Environmental Health</p> </div>		<p>← Traffic rated well box</p> <p>← Type II-V Portland Cement grout</p> <p>← Blank 2" SCH40 PVG</p> <p>← Bentonite Chips</p> <p>← # 2/12 Sand</p>
2									
3									
4									
5									
6									
7									
8									
9									
10								▼	
11									
12									
13									
14									
15									
16									
17									
18									
19									
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21									
22								▼	

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-1**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELIN STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**1**

9/1/2010 3:35:55 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-1**

FORMER AMBASSADOR LAUNDRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**1**  
 (cont'd)

9/1/2010 3:35:56 PM

Date Completed: **2/16/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1				100			<b>SILTY CLAY (CL)</b> - dark gray, moist, trace coarse grained sand, furrow molts ~20% of matrix		Traffic rated well box
2									
3									
4							- dark gray mottled with tan, trace organic material (root)		
5				80			<b>SANDY CLAY (CL)</b> - olive-tan, moist, fine grained sand, trace fine gravel, furrow molts ~20% of matrix		
6							<b>No Recovery</b>		
7							<b>CLAYEY SAND (SC)</b> - olive-tan, moist, fine grained sand, trace fine gravel, furrow molts ~20% of matrix		Type II-V Portland Cement grout
8							- olive-gray, trace coarse grained sand		
9							- hydrocarbon odor		Blank 2" SCH40 PVG
10				100	23				
11									
12									
13									
14									
15				100			- olive-gray green, fine grained sand		
16									Bentonite Chips
17	K-A-16.5								# 2/12 Sand
18									
19									
20				100			<b>POORLY GRADED SAND (SP)</b> - olive gray-green, moist, fine grained sand, trace clay, hydrocarbon odor		
21	K-A-21						<b>CLAYEY SAND (SC)</b> - olive gray-green, wet, fine grained sand, hydrocarbon odor		
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-2/K-A**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELIN STREET  
EMERYVILLE, CALIFORNIA

PLATE

**2**

9/1/2010 3:35:55 PM

Date Completed: **2/16/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23	K-A-23	⊗					<b>POORLY GRADED SAND (SP)</b> - olive gray-green, wet, fine to medium grained sand, hydrocarbon odor		<p>Screened 2" 0.010 Slot SCH40 PVC</p> <p>Bottom of well at 29 feet</p>
24						<b>CLAYEY SAND (SC)</b> - orange-brown mottled with beige, wet, fine grained sand			
25				37		<b>No Recovery</b>			
26									
27									
28									
29							<b>SANDY GRAVELLY CLAY (CL)</b> - brown, moist, fine to coarse grained sand, fine subrounded gravel		
30					100	7.5	<b>CLAYEY SAND (SC)</b> - yellow-brown mottled with beige, moist, fine grained sand		
31							- olive-gray green, wet, fine to medium grained sand		
32							- orange-brown, wet, grading from medium to coarse grained sand with depth		
33							- orange-brown mottled with dark brown and beige, moist, fine grained sand		
34							<b>POORLY GRADED SAND (SP)</b> - medium brown, moist, medium grained sand		
35					100		- tan-brown, wet, fine to medium grained sand, trace gravel		
36									
37									
38							<b>CLAYEY SAND (SC)</b> - orange-brown mottled with tan, moist, fine grained sand		
39							<b>SILTY CLAY (CL)</b> - gray mottled with dark gray		
40	K-A-39.5	⊗							
41							Boring terminated at approx. 40 feet below ground surface.		
42							Monitoring well MW-2 installed 3/31/09 near Boring K-A.		
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-2/K-A**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**2**

(cont'd)

9/1/2010 3:35:55 PM

Date Completed: **2/17/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							<b>CLAY (CL)</b> - dark brown, moist, trace fine gravel		Traffic rated well box
2									
3									
4									
5							<b>CLAYEY SAND (SC)</b> - beige, moist, fine grained sand, furrow molts ~10%		
6							<b>No Recovery</b>		
7							<b>CLAYEY SAND (SC)</b> - olive gray-green mottled with gray, moist, fine grained sand		
8									Type II-V Portland Cement grout
9							<b>SANDY CLAY (CL)</b> - tan-olive, moist, fine grained sand		
10							- olive gray-green		Blank 2" SCH40 PVG
11									
12									
13									
14									
15									
16									Bentonite Chips
17									
18	K-B-18	X							# 2/12 Sand
19							- wet		
20									
21							<b>SILTY CLAY (CL)</b> - olive-tan, moist, sheen detected, hydrocarbon odor detected		
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-3/K-B**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELIN STREET  
EMERYVILLE, CALIFORNIA

PLATE

**3**

9/1/2010 3:35:56 PM

Date Completed: **2/17/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23	K-B-22.5	⊗					<b>POORLY GRADED SAND (SP)</b> - olive gray-green, wet, fine to medium grained sand, _____ of brown liquid, sheen detected, hydrocarbon odor detected		<p>Screened 2" 0.010 Slot SCH40 PVC</p> <p>Bottom of well at 29 feet</p>
24						<b>CLAYEY SAND (SC)</b> - olive-tan, moist, fine grained sand, 2" pockets of orange-brown, subrounded gravel, trace fine gravel			
25						<b>SILTY CLAY (CL)</b> - olive-gray, moist, sheen detected, hydrocarbon odor detected, some fine grained sand			
26						<b>SANDY CLAY (CL)</b> - olive-gray, wet, fine grained sand, sheen detected, hydrocarbon odor detected			
27						<b>CLAYEY SAND (SC)</b> - orange-brown, wet, fine grained sand			
28						- moist, trace fine gravel			
29						<b>SANDY CLAY (CL)</b> - orange-brown, moist, fine grained sand, trace fine gravel			
30						<b>SILTY CLAY some SAND (CL)</b> - olive-tan, wet, fine grained sand, sheen detected, hydrocarbon odor detected, trace fine gravel			
31						<b>CLAYEY SAND (SC)</b> - olive-tan, moist, fine grained sand			
32						<b>GRAVELLY SAND (SP)</b> - orange-brown, moist, fine to medium grained sand, fine gravel			
33						<b>SANDY CLAY (CL)</b> - orange-brown, moist, fine grained sand			
34						<b>CLAYEY SAND (SC)</b> - orange-brown, moist, fine grained sand			
35						- tan-brown, wet, some fine gravel			
36						<b>GRAVELLY SAND (SP)</b> - tan-brown, wet, fine to coarse grained sand, fine gravel			
37						<b>SANDY CLAY (CL)</b> - tan-brown mottled with orange-brown, moist, fine grained sand			
38	K-B-38	⊗				<b>SILTY CLAY (CL)</b> - gray, moist			
39						Boring terminated at approx. 40 feet below ground surface.			
40						Monitoring well MW-3 installed 3/31/09 near Boring K-B.			
41									
42									
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-3/K-B**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**3**

(cont'd)

9/1/2010 3:35:56 PM

Date Completed: **3/30/09**

Drilling method: **8" Hollow Stem Auger**

Logged By: **N. Berner**

Driller: **Precision Sampling**

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1				95	0.0		<b>SILTY CLAY with SAND (CL)-</b> yellowish-brown, moist, coarse grained sand		
2				0.0					
3				0.0					
4				0.0					
5				75					
6							<b>POORLY GRADED GRAVEL/SAND (GP)</b>		
7									
8									
9					3.0		<b>SILTY CLAY (CL) -</b> brown, stiff, low plasticity, hydrocarbon odor/discoloration	▼	
10				100					
11				3.7					
12				4.8					
13				6.0					
14				3.0					
15				100			<b>CLAYEY SAND (SC) -</b> brown, moist, dense, hydrocarbon odor/discoloration		
16				3.0					
17				7.1					
18					8.3		<b>SANDY CLAY (CL) -</b> brown, mottling, moist, medium stiff, hydrocarbon odor/discoloration		
19	K-C-18.5	⊗		270					
20	K-C-20	⊗		80					
21					93.7				
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-4/K-C**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**4**

9/1/2010 3:35:56 PM

Date Completed: **3/30/09**

Drilling method: **8" Hollow Stem Auger**

Logged By: **N. Berner**

Driller: **Precision Sampling**

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23					28.3		<b>SANDY CLAY (CL)</b> - continued		
24					16.2		- discoloration fades out from 24 to 25 feet		
25				60					
26	K-C-26	⊗			0.0				
27					0.0		<b>SAND (SP)</b> - red, wet, coarse grained sand	▽	
28									
29									
30				70					
31							<b>SANDY CLAY (CL)</b> - tan, mottling, moist, stiff, medium plasticity		
32									
33							<b>CLAYEY SAND (SC)</b> - red-brown, mottling, dense, coarse grained sand		
34									
35							<b>SILTY CLAY (CL)</b> - blue-gray, moist, stiff, low plasticity		
36									
37									
38									
39									
40	K-C-40	⊗							
41							Boring terminated at approx. 40 feet below ground surface.		
42							Monitoring well MW-2 installed 3/31/09 near Boring K-A.		
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-4/K-C**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**4**

(cont'd)

9/1/2010 3:35:56 PM



Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 44.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16				100					
17					8.3	SILTY CLAY (CL) - brown, moist, hydrocarbon odor/dicolor			
18				16.8					
19				56.3					
20	K-D-19.5	X		132					
21				98.6					
22				100	17.4			▽	

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PROJECT NO. **73943**

**LOG OF BORING NO. K-D**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**5**

9/1/2010 3:35:56 PM

Date Completed: **3/31/09**

Drilling method: **8" Hollow Stem Auger**

Logged By: **N. Berner**

Driller: **Precision Sampling**

Total Depth: **44.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23	K-D-22.5	☒			0.0		<b>SILTY CLAY (CL) - continued</b>		
24					0.0		<b>GRAVELLY SAND (SG)</b>		
25					0.0		<b>SILTY CLAY (CL)</b>		
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41							<b>SILTY CLAY (CL) - blue gray, moist, very stiff mottling, medium plasticity</b>		
42									
43	K-D-43	☒							
44							Boring terminated at approx. 43.5 feet below ground surface		

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PROJECT NO. **73943**

**LOG OF BORING NO. K-D**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**5**

(cont'd)

9/1/2010 3:35:56 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 30.0 ft Hammer Wt: None  
 Notes: Revised 5-18-10

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1									Traffic rated well box
2									
3									
4									
5									
6									
7									Type II-V Portland Cement grout
8									Blank 2" SCH40 PVC
9									
10									
11									
12									
13									Bentonite Chips
14									
15									# 2/12 Sand
16									
17	MW-5-17						<b>CLAYEY SAND (SC)</b> - brown, loose, coarse grained sand - hydrocarbon odor/discoloration		
18							<b>SILTY CLAY (CL)</b> - gray, mottling, stiff, no odor or discoloration		
19									
20									
21							<b>CLAYEY GRAVEL (GC)</b> - wet, dense, poorly graded		Screened 2" 0.010 Slot SCH40 PVC
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-5**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**6**

9/1/2010 3:35:56 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 30.0 ft Hammer Wt: None  
 Notes: Revised 5-18-10

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23									
24									
25									
26									
27									
28									
29									
30							Boring terminated at approx. 30 feet below ground surface.		
31							Monitoring well MW-5 installed.		
32							Soil logged following hydrocarbon odor observation.		
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-5**

FORMER AMBASSADOR LAUNDRY  
 3601-3623 ADELIN STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**6**

(cont'd)

9/1/2010 3:35:56 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1									Traffic rated well box
2									
3									
4									
5									
6									
7									
8									Type II-V Portland Cement grout
9									
10								▼	Blank 2" SCH40 PVG
11									
12									
13									
14									
15									
16									Bentonite Chips
17									
18								▽	# 2/12 Sand
19									
20									
21									
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-6**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**7**

9/1/2010 3:35:57 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction	
23										
24										
25										
26										
27										
28										
29										Bottom of well at 29 feet
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-6**

FORMER AMBASSADOR LAUNDRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**7**  
 (cont'd)

9/1/2010 3:35:57 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1									Traffic rated well box
2									
3									
4									
5									
6									
7									
8									Type II-V Portland Cement grout
9									
10								▼	Blank 2" SCH40 PVG
11									
12									
13									
14									
15									
16									Bentonite Chips
17									
18									# 2/12 Sand
19									
20									
21									
22								▼	

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-1**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**1**

9/1/2010 3:35:55 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-1**

FORMER AMBASSADOR LAUNDRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**1**  
(cont'd)

9/1/2010 3:35:56 PM



Date Completed: **2/16/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1				100			<b>SILTY CLAY (CL)</b> - dark gray, moist, trace coarse grained sand, furrow molts ~20% of matrix		Traffic rated well box
2									
3									
4							- dark gray mottled with tan, trace organic material (root)		
5				80			<b>SANDY CLAY (CL)</b> - olive-tan, moist, fine grained sand, trace fine gravel, furrow molts ~20% of matrix		
6									
7							<b>No Recovery</b>		
8							<b>CLAYEY SAND (SC)</b> - olive-tan, moist, fine grained sand, trace fine gravel, furrow molts ~20% of matrix		Type II-V Portland Cement grout
9							- olive-gray, trace coarse grained sand		
10				100	23		- hydrocarbon odor	▼	Blank 2" SCH40 PVG
11									
12									
13									
14									
15				100			- olive-gray green, fine grained sand		
16									Bentonite Chips
17	K-A-16.5	⊗							# 2/12 Sand
18									
19									
20				100			<b>POORLY GRADED SAND (SP)</b> - olive gray-green, moist, fine grained sand, trace clay, hydrocarbon odor	▼	
21	K-A-21	⊗					<b>CLAYEY SAND (SC)</b> - olive gray-green, wet, fine grained sand, hydrocarbon odor		
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-2/K-A**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELIN STREET  
EMERYVILLE, CALIFORNIA

PLATE

**2**

9/1/2010 3:35:55 PM

Date Completed: **2/16/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23	K-A-23	⊗					<b>POORLY GRADED SAND (SP)</b> - olive gray-green, wet, fine to medium grained sand, hydrocarbon odor		<p>Screened 2" 0.010 Slot SCH40 PVC</p> <p>Bottom of well at 29 feet</p>
24						<b>CLAYEY SAND (SC)</b> - orange-brown mottled with beige, wet, fine grained sand			
25				37		<b>No Recovery</b>			
26									
27									
28									
29						<b>SANDY GRAVELLY CLAY (CL)</b> - brown, moist, fine to coarse grained sand, fine subrounded gravel			
30				100	7.5	<b>CLAYEY SAND (SC)</b> - yellow-brown mottled with beige, moist, fine grained sand			
31						- olive-gray green, wet, fine to medium grained sand			
32						- orange-brown, wet, grading from medium to coarse grained sand with depth			
33						- orange-brown mottled with dark brown and beige, moist, fine grained sand			
34						<b>POORLY GRADED SAND (SP)</b> - medium brown, moist, medium grained sand			
35				100		- tan-brown, wet, fine to medium grained sand, trace gravel			
36									
37									
38						<b>CLAYEY SAND (SC)</b> - orange-brown mottled with tan, moist, fine grained sand			
39						<b>SILTY CLAY (CL)</b> - gray mottled with dark gray			
40	K-A-39.5	⊗							
41							Boring terminated at approx. 40 feet below ground surface.		
42							Monitoring well MW-2 installed 3/31/09 near Boring K-A.		
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-2/K-A**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**2**

(cont'd)

9/1/2010 3:35:55 PM

Date Completed: **2/17/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1							<b>CLAY (CL)</b> - dark brown, moist, trace fine gravel		Traffic rated well box
2									
3									
4									
5							<b>CLAYEY SAND (SC)</b> - beige, moist, fine grained sand, furrow molts ~10%		
6							<b>No Recovery</b>		
7							<b>CLAYEY SAND (SC)</b> - olive gray-green mottled with gray, moist, fine grained sand		
8									Type II-V Portland Cement grout
9							<b>SANDY CLAY (CL)</b> - tan-olive, moist, fine grained sand		
10							- olive gray-green	▼	Blank 2" SCH40 PVG
11									
12									
13									
14									
15									
16									Bentonite Chips
17									
18	K-B-18	⊗							# 2/12 Sand
19							- wet	▼	
20									
21							<b>SILTY CLAY (CL)</b> - olive-tan, moist, sheen detected, hydrocarbon odor detected		
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-3/K-B**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELIN STREET  
EMERYVILLE, CALIFORNIA

PLATE

**3**

9/1/2010 3:35:56 PM

Date Completed: **2/17/09**

Drilling method: **2" Direct Push**

Logged By: **G. Fuson**

Driller: **Precision Sampling**

Track mounted Geoprobe

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23	K-B-22.5	⊗					<b>POORLY GRADED SAND (SP)</b> - olive gray-green, wet, fine to medium grained sand, _____ of brown liquid, sheen detected, hydrocarbon odor detected		<p>Screened 2" 0.010 Slot SCH40 PVC</p> <p>Bottom of well at 29 feet</p>
24						<b>CLAYEY SAND (SC)</b> - olive-tan, moist, fine grained sand, 2" pockets of orange-brown, subrounded gravel, trace fine gravel			
25						<b>SILTY CLAY (CL)</b> - olive-gray, moist, sheen detected, hydrocarbon odor detected, some fine grained sand			
26						<b>SANDY CLAY (CL)</b> - olive-gray, wet, fine grained sand, sheen detected, hydrocarbon odor detected			
27						<b>CLAYEY SAND (SC)</b> - orange-brown, wet, fine grained sand			
28						- moist, trace fine gravel			
29						<b>SANDY CLAY (CL)</b> - orange-brown, moist, fine grained sand, trace fine gravel			
30						<b>SILTY CLAY some SAND (CL)</b> - olive-tan, wet, fine grained sand, sheen detected, hydrocarbon odor detected, trace fine gravel			
31						<b>CLAYEY SAND (SC)</b> - olive-tan, moist, fine grained sand			
32						<b>GRAVELLY SAND (SP)</b> - orange-brown, moist, fine to medium grained sand, fine gravel			
33						<b>SANDY CLAY (CL)</b> - orange-brown, moist, fine grained sand			
34						<b>CLAYEY SAND (SC)</b> - orange-brown, moist, fine grained sand			
35						- tan-brown, wet, some fine gravel			
36						<b>GRAVELLY SAND (SP)</b> - tan-brown, wet, fine to coarse grained sand, fine gravel			
37						<b>SANDY CLAY (CL)</b> - tan-brown mottled with orange-brown, moist, fine grained sand			
38	K-B-38	⊗				<b>SILTY CLAY (CL)</b> - gray, moist			
39						Boring terminated at approx. 40 feet below ground surface.			
40						Monitoring well MW-3 installed 3/31/09 near Boring K-B.			
41									
42									
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-3/K-B**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**3**

(cont'd)

9/1/2010 3:35:56 PM

Date Completed: **3/30/09**

Drilling method: **8" Hollow Stem Auger**

Logged By: **N. Berner**

Driller: **Precision Sampling**

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1				95	0.0	[Diagonal Hatching]	<b>SILTY CLAY with SAND (CL)-</b> yellowish-brown, moist, coarse grained sand		
2				0.0					
3				0.0					
4				0.0					
5				75					
6						[Dotted Pattern]	<b>POORLY GRADED GRAVEL/SAND (GP)</b>		
7									
8									
9					3.0	[Diagonal Hatching]	<b>SILTY CLAY (CL) -</b> brown, stiff, low plasticity, hydrocarbon odor/discoloration		
10				100					
11				3.7					
12				4.8					
13				6.0					
14					3.0	[Diagonal Hatching]	<b>CLAYEY SAND (SC) -</b> brown, moist, dense, hydrocarbon odor/discoloration		
15				100					
16				3.0					
17				7.1					
18				8.3					
19	K-C-18.5	[X]			270	[Dotted Pattern]	<b>SANDY CLAY (CL) -</b> brown, mottling, moist, medium stiff, hydrocarbon odor/discoloration		
20	K-C-20	[X]		80					
21				93.7					
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-4/K-C**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**4**

9/1/2010 3:35:56 PM

Date Completed: **3/30/09**

Drilling method: **8" Hollow Stem Auger**

Logged By: **N. Berner**

Driller: **Precision Sampling**

Total Depth: **40.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23					28.3		<b>SANDY CLAY (CL)</b> - continued		
24					16.2		- discoloration fades out from 24 to 25 feet		
25				60					
26	K-C-26	⊗			0.0				
27					0.0		<b>SAND (SP)</b> - red, wet, coarse grained sand	▽	
28									
29									
30				70					
31							<b>SANDY CLAY (CL)</b> - tan, mottling, moist, stiff, medium plasticity		
32									
33							<b>CLAYEY SAND (SC)</b> - red-brown, mottling, dense, coarse grained sand		
34									
35							<b>SILTY CLAY (CL)</b> - blue-gray, moist, stiff, low plasticity		
36									
37									
38									
39									
40	K-C-40	⊗							
41							Boring terminated at approx. 40 feet below ground surface.		
42							Monitoring well MW-2 installed 3/31/09 near Boring K-A.		
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-4/K-C**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELIN STREET  
EMERYVILLE, CALIFORNIA

PLATE

**4**

(cont'd)

9/1/2010 3:35:56 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 44.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16				100					
17					8.3	SILTY CLAY (CL) - brown, moist, hydrocarbon odor/dicolor			
18				16.8					
19				56.3					
20	K-D-19.5	⊗		132					
21				98.6					
22				100	17.4				



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PROJECT NO. **73943**

**LOG OF BORING NO. K-D**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**5**

9/1/2010 3:35:56 PM

Date Completed: **3/31/09**

Drilling method: **8" Hollow Stem Auger**

Logged By: **N. Berner**

Driller: **Precision Sampling**

Total Depth: **44.0 ft**

Hammer Wt: **None**

Notes:

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23	K-D-22.5	☒			0.0		<b>SILTY CLAY (CL) - continued</b>		
24					0.0		<b>GRAVELLY SAND (SG)</b>		
25					0.0		<b>SILTY CLAY (CL)</b>		
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41							<b>SILTY CLAY (CL) - blue gray, moist, very stiff mottling, medium plasticity</b>		
42									
43	K-D-43	☒							
44							Boring terminated at approx. 43.5 feet below ground surface		

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PROJECT NO. **73943**

**LOG OF BORING NO. K-D**

FORMER AMBASSADOR LAUNRY  
3601-3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

PLATE

**5**

(cont'd)

9/1/2010 3:35:56 PM



Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger  
 Logged By: N. Berner Driller: Precision Sampling  
 Total Depth: 30.0 ft Hammer Wt: None  
 Notes: Revised 5-18-10

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1									Traffic rated well box
2									
3									
4									
5									
6									
7									Type II-V Portland Cement grout
8									Blank 2" SCH40 PVC
9									
10									
11									
12									
13									Bentonite Chips
14									
15									# 2/12 Sand
16									
17	MW-5-17						<b>CLAYEY SAND (SC)</b> - brown, loose, coarse grained sand - hydrocarbon odor/discoloration		
18							<b>SILTY CLAY (CL)</b> - gray, mottling, stiff, no odor or discoloration		
19									
20									
21							<b>CLAYEY GRAVEL (GC)</b> - wet, dense, poorly graded		Screened 2" 0.010 Slot SCH40 PVC
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-5**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**6**

9/1/2010 3:35:56 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 30.0 ft Hammer Wt: None  
 Notes: Revised 5-18-10

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23									
24									
25									
26									
27									
28									
29									
30							Boring terminated at approx. 30 feet below ground surface.		
31							Monitoring well MW-5 installed.		
32							Soil logged following hydrocarbon odor observation.		
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-5**

FORMER AMBASSADOR LAUNDRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**6**

(cont'd)

9/1/2010 3:35:56 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
1									Traffic rated well box
2									
3									
4									
5									
6									
7									
8									Type II-V Portland Cement grout
9									
10								▼	Blank 2" SCH40 PVG
11									
12									
13									
14									
15									
16									Bentonite Chips
17									
18								▽	# 2/12 Sand
19									
20									
21									
22									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-6**

FORMER AMBASSADOR LAUNRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**7**

9/1/2010 3:35:57 PM

Date Completed: 3/31/09 Drilling method: 8" Hollow Stem Auger

Logged By: N. Berner Driller: Precision Sampling

Total Depth: 29.0 ft Hammer Wt: None  
 Notes: \_\_\_\_\_

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID/FID	USCS	Description	Remarks	Well Construction
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									

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PROJECT NO. **73943**

**LOG OF BORING NO. MW-6**

FORMER AMBASSADOR LAUNDRY  
 3601-3623 ADELINE STREET  
 EMERYVILLE, CALIFORNIA

PLATE

**7**  
 (cont'd)

9/1/2010 3:35:57 PM