



**LOUIS A. RICHARDSON**  
**Consulting Engineering Geologist**

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Registered Geologist • Certified Engineering Geologist • California and Oregon

August 20, 1993

Proj. No. 539.44

D & D Management Consultants ←  
P. O. Box 23040  
San Jose, California 95153

Attention: Mr. Paul Dzakowic

**Re: Soil and Groundwater Sampling at  
Beck Roofing Co.  
21123 Meekland Ave.  
Hayward, CA**

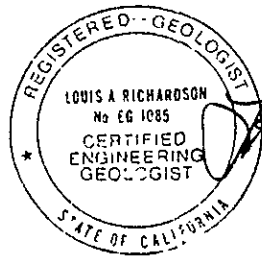
*50's? Decontamination procedure?*

Gentlemen:

Pursuant to your request, on July 14, 15 and 16, 1993 the undersigned observed and logged the borings performed by your firm at the site of a previously removed underground gasoline storage tank. The locations of the borings are shown on the attached Plate 1, Site Plan and a log of each boring is also included. The borings were extended outward from the tank location until there was no apparent evidence, by sight or smell, of petroleum contamination in the samples or auger cuttings. The last boring in each direction of exploration was then sampled for laboratory analyses and extended to groundwater, which was also sampled.

All soil samples were obtained by driving a California-type sampler containing clean, brass cylinders into soil in the bottom of the boring as it was advanced. Each 2-inch-diameter cylinder was immediately sealed with aluminum foil and then teflon caps were taped to the ends. The samples were then refrigerated for transport to the analytical laboratory. After completion of the work, all borings were sealed with neat cement grout. The drilling contractor was HEW Drilling of East Palo Alto, California.

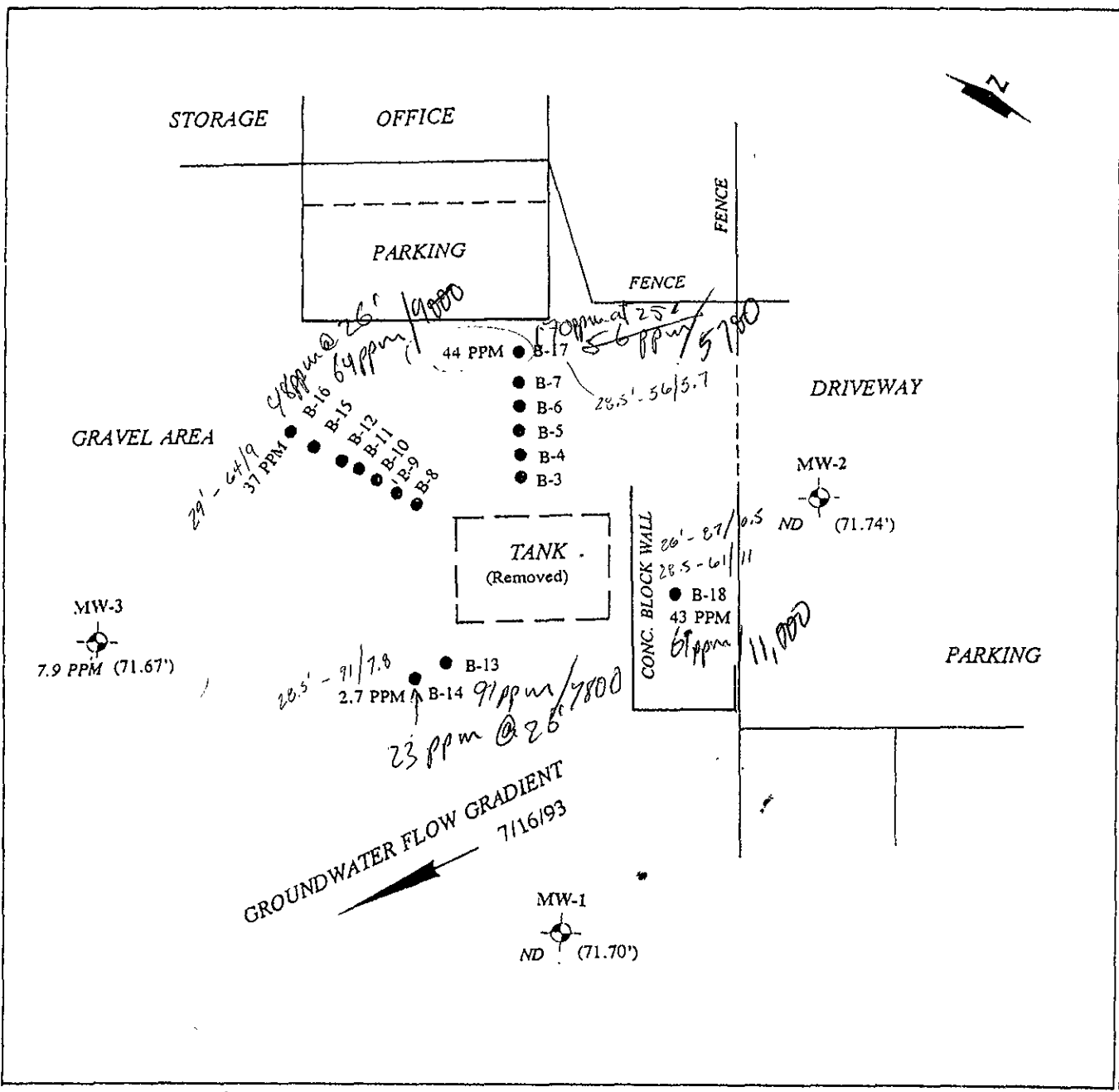
Thank you for the opportunity to be of assistance to you regarding this matter. If you have any questions, or require further services, please feel free to call.



Very truly yours  
*Louis A. Richardson*  
Louis A. Richardson  
Consulting Engineering Geologist

LAR:ka  
Attachments

JOB NO. 539.44 JOB NAME BECK ROOFING LOCATION HAYWARD, CA ENGR DRAWN BY LAR CHECKER DATE AUGUST 1993



SCALE: 1" = 20'

- EXPLANATION**
- MW-3  
7.9 PPM (71.67') Monitoring Well Location, showing TPH and (Water Elev.) on 7/16/93.
  - B-18  
43 PPM Boring Location, July 1993, showing TPH in soil at 24'.

### SITE PLAN


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# Boring Log No. B-3

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/14/93  
 HOLE DIA.: 8 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: California  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
Top of Baserock at surface.	CL		0			
SILTY CLAY. Medium plastic; minor fine sand; moist; dusky yel. brown (10YR 2/2)			1			
			2			
			3			
			4			
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand; moist; moderate yel. brown (10YR 5/4).			5			
			6		X	23
			7			
			8			
			9			
- Greenish gray at 10'			10			
	11		X	12	Product odor noted in bottom of sample at 11.5'.	
- pile Abandoned at 11.5' and backfilled with neat cement grout.			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			
			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			

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*Notes:*  
 BORING NO. B-3: Located on northern side of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.



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# Boring Log No. B-4

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/14/93  
 HOLE DIA.: 8 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: California  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS		
5' of Baserock at surface	CL		0					
					1			
					2			
					3			
					4			
SILTY CLAY. Medium plastic; minor fine sand; moist; dusky vel. brown (10YR 2/2).					5			
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand; moist; moderate vel. brown (10YR 5/4)					6	☒	19	
					7			
					8			
					9			
					10			
					11	☒	12	
					12			
SILTY SAND. Fine grained; pale yellow brown (10YR 6/2).	SM		13					
					14			
					15			
					16	☒	10	Product odor noted in sample at 15'
Hole Abandoned at 16 5' and back filled with neat cement grout.			17					
			18					
			19					
			20					
			21					
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
			35					

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*Notes:*  
 BORING NO. B-4: Located on northern side of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

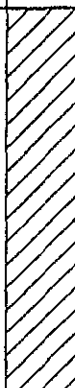
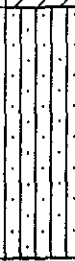
Project No.  
 539.44  
 Page 1 of 1

# Boring Log No. B-5

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/14/93  
 HOLE DIA.: 8 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: California  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH.	SAMPLE	BLOWS/FT.	REMARKS
2" of Baserock at surface.	CL		0			
SILTY CLAY. Medium plastic; minor fine sand; moist; dusky yel. brown (10YR 2/2).			1			
			2			
			3			
			4			
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand moist; moderate yel. brown (10YR 5/4).	5					
	6	<input checked="" type="checkbox"/>	19			
	7					
SILTY SAND. Fine grained, pale yellow brown (10YR 6/2), approx. 50% silt fines	SM		8			
			9			
			10			
			11	<input checked="" type="checkbox"/>	12	
Bore Abandoned at '6.5' and back-filled with neat cement grout.			12			
			13	<input checked="" type="checkbox"/>	13	Product odor noted in sample at 15'.
			14			
			15			
			16	<input checked="" type="checkbox"/>		
			17			
			18			
			19			
			20			
			21			
			22			
			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			

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**Notes:**

BORING NO. B-5: Located on northern side of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

Project No.  
539.44

# Boring Log No. B-6

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/14/93  
 HOLE DIA.: 8 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: California  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
5' of Basalrock at surface	CL	[Diagonal Hatching]	0			
SILTY CLAY. Medium plastic; minor fine sand; moist; dusky (5Y 2/2). - brown (10YR 2/2).		[Diagonal Hatching]	1			
		[Diagonal Hatching]	2			
		[Diagonal Hatching]	3			
		[Diagonal Hatching]	4			
SANDY CLAY. Low to med. plastic, approx. 35% very fine sand; moist; moderate yet. brown (10YR 5/4)		[Diagonal Hatching]	5			
		[Diagonal Hatching]	6	[X]	16	
		[Diagonal Hatching]	7			
		[Diagonal Hatching]	8			
		[Diagonal Hatching]	9			
SILTY SAND. Fine grained; pale yellow brown (10YR 6/2); approx. 50% silty fines.	SM	[Vertical Lines]	10			
		[Vertical Lines]	11	[X]	12	
		[Vertical Lines]	12			
		[Vertical Lines]	13			
		[Vertical Lines]	14			
- Color at 15' is olive gray (5Y 4/1).		[Vertical Lines]	15			
		[Vertical Lines]	16	[X]	9	Product odor noted in sample at 15'.
Hole Abandoned at 16.5' and backfilled with neat cement grout			17			
			18			
			19			
			20			
			21			
			22			
			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			

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**Notes:**

BORING NO. B-6: Located on northern side of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.




Project No.  
539.44

# Boring Log No. B-7

**PROJECT:** Beck Roofing Co., Hayward, CA  
**DRILL RIG:** Hollow Stem Auger  
**INITIAL GW DEPTH:** Not Enc. ft.

**DATE:** 07/14/93  
**HOLE DIA.:** 8 in.  
**FINAL GW:** Not Enc. ft.

**LOGGED BY:** LAR  
**SAMPLER:** California & Continuous  
**HOLE ELEV.:** NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS		
2' of Basalrock at surface.	CL		0					
					1			
					2			
					3			
					4			
					5			
					6	X	16	
					7			
					8			
					9			
					10			
					11	X	11	
					12			
SILTY CLAY: Medium plastic, minor fine sand; moist; dusky yel. brown (10YR 2/2). <hr/> SANDY CLAY: Low to med. plastic; approx. 35% very fine sand; moist, moderate yel. brown (10YR 5/4).	SM		13					
					14			
					15			
					16	X	11	
					17			Continuous sampler used below 16.5'
					18			
					19			
- Color at 17.7' is dark green-gray (5G 4/1).	CL		20			Product odor evident at 20'.		
					21			
					22			Pocket penetrometer reading is 0.5 TSF.
CLAY: Silty, low plasticity; moist, dark yel. brown mottled mod. yel. brown.			23					
- Hole Abandoned at 23' and backfilled with neat cement grout.			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
			35					

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*Notes:*  
 BORING NO. B-7. Located on northern side of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

Project No.  
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# Boring Log No. B-8

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Continuous Flight Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/15/93  
 HOLE DIA.: 6 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: None  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
Top of Baserock at surface	CL	[Diagonal Hatching]	0			
SILTY CLAY, Medium plastic; minor fine sand; moist; dusky vel. brown (10YR 2/2).		[Diagonal Hatching]	1			Boring advanced with continuous flight auger until product odor was noted in cuttings.
		[Diagonal Hatching]	2			
		[Diagonal Hatching]	3			
		[Diagonal Hatching]	4			
SANDY CLAY, Low to med. plastic; approx. 35% very fine sand; moist, moderate vel. brown (10YR 5/4).		[Diagonal Hatching]	5			
		[Diagonal Hatching]	6			
		[Diagonal Hatching]	7			
		[Diagonal Hatching]	8			
		[Diagonal Hatching]	9			
		[Diagonal Hatching]	10			
		[Diagonal Hatching]	11			
		[Diagonal Hatching]	12			
SILTY SAND: Fine grained, pale yellow brown (10YR 6/2); approx. 15% silty fines.	SM	[Vertical Hatching]	13			
		[Vertical Hatching]	14			
		[Vertical Hatching]	15			
		[Vertical Hatching]	16			
		[Vertical Hatching]	17			
		[Vertical Hatching]	18			
Hole abandoned at 18' and backfilled with neat cement grout.			19			Product odor evident at 17'.
			20			
			21			
			22			
			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			

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*Notes:*  
 BORING NO. B-8: Located west of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

Project No.  
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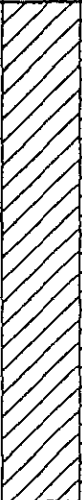



# Boring Log No. B-9

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Continuous Flight Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/15/93  
 HOLE DIA.: 6 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: None  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
6' or Baserock at surface.	CL		0			Boring advanced with continuous flight auger until product odor was noted in cuttings.
SILTY CLAY. Medium plastic; minor fine sand; moist; dusky yel. brown (10YR 2/2).			1			
			2			
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand; moist; moderate yel. brown (10YR 5/4).	SM		13			Product odor evident at 18'.
SILTY SAND: Fine grained; pale yellow brown (10YR 6/2), approx. 15% silty fines.			14			
			15			
			16			
			17			
			18			
			19			
hole abandoned at '9' and backfilled with neat cement grout			20			
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					
	32					
	33					
	34					
	35					

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 Mountain View, California

*Notes:*  
 BORING NO. B-9: Located west of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.



Project No.  
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# Boring Log No. B-10

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Continuous Flight Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/15/93  
 HOLE DIA.: 6 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: None  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
Cl or Baserock at surface.	CL		0			Boring advanced with continuous flight auger until product odor was noted in cuttings.
SILTY CLAY: Medium plastic; minor fine sand; moist; dusky yel. brown (10YR 2/3).			1			
			2			
			3			
			4			
SANDY CLAY: Low to med. plastic, approx. 35% very fine sand, moist, moderate yel. brown (10YR 5/4).			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
SILTY SAND: Fine grained; pale yellow brown (10YR 6/2); approx. 15% silty fines.	SM		13			Product odor evident at 18'.
			14			
			15			
			16			
			17			
			18			
			19			
Hole Abandoned at 19' and backfilled with neat cement grout.			20			
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					
	32					
	33					
	34					
	35					

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**Notes:**

*BORING NO. B-10: Located west of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.*

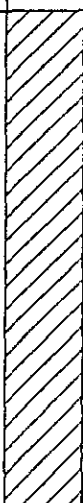

Project No.  
539.44

# Boring Log No. B-11

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Continuous Flight Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/15/93  
 HOLE DIA.: 6 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: None  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS	
3' of Basereck at surface.	CL		0			Boring advanced with continuous flight auger until product odor was noted in cuttings.	
SILTY CLAY. Medium elastic, minor fine sand; moist; dusky (yel. brown (10YR 2/2)).			1				
			2				
			3				
			4				
			5				
			6				
			7				
			8				
			9				
			10				
			11				
			12				
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand; moist; moderate yel. brown (10YR 5/4).	SM		13			Product odor evident at 18'.	
SILTY SAND. Fine grained, case yellow brown (10YR 6/2), approx. 15% silt fines.			14				
			15				
			16				
			17				
			18				
			19				
Hole abandoned at 19' and backfilled with neat cement grout.			20				
	21						
	22						
	23						
	24						
	25						
	26						
	27						
	28						
	29						
	30						
	31						
	32						
	33						
	34						
	35						

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**Notes:**

*BORING NO. B-11: Located west of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.*

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# Boring Log No. B-12

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Continuous Flight Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/15/93  
 HOLE DIA.: 6 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: None  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
6' of Baserock at surface.	CL	[Hatched pattern]	0			
SILTY CLAY. Medium plastic; minor fine sand; moist: dusky yel. brown (10YR 2/2).	CL	[Hatched pattern]	1			Boring advanced with continuous flight auger until product odor was noted in cuttings.
			2			
			3			
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand, moist, moderate yel. brown (10YR 5/4).			SM	[Vertical lines pattern]	13	
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
SANDY CLAY. Med. plastic, approx. 20% fine sand; mod. yel. brn.	CL	[Hatched pattern]			24	
Hole Abandoned at 25' and backfilled with neat cement grout.			25			Slight product odor evident at 25'.
			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			

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**Notes:**

BORING NO. B-12: Located west of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

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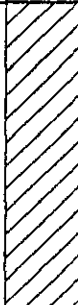
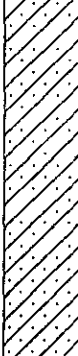




# Boring Log No. B-14

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: 28.5 ft.

DATE: 07/15/93  
 HOLE DIA.: 8 in.  
 FINAL GW: 28.5 ft.

LOGGED BY: LAR  
 SAMPLER: California & Continuous  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
5" of Baserock at surface.			0			
SILTY CLAY. Medium plastic; minor fine sand; moist; mod. yel. brown (10YR 5/4)	CL		1			
			2			
			3			
			4			
			5			
			6	18		
			7			
			8			
CLAYEY SAND. Fine-grained with 10% fine gravel; approx. 10% clayey fines; moist, moderate yel. brown (10YR 5/4).	SC		9			
			10	20		TPH = ND @ 10'
			11			
			12			
			13			
			14			
			15			
			16	17		TPH = ND @ 15'
SILT: Mod. yel. brn mottled dark yel. brown; v. moist.	ML		18			Continuous sampler used from 16.5 to 33'.
CLAY: Low to medium plasticity; moist; olive gray mottled olive brown, moist.  - 4" sand lens at 22'.  - color below 21' is dark vel. brn with greenish gray vertical pores.  - color is lt. olive gray (5Y 5/2) below 28'	CL		19			TPH = ND @ 19'
			20			
			21			
			22			TPH = 2.7 ppm @ 22'
			23	SP lens		
			24	CL		Pocket penetrometer reads 1.5 TSF in clay.
			25			
			26			TPH = 23 ppm @ 26'
			27			TPH = 4.1 ppm @ 27'
			28			TPH = 91 ppm @ 28.5'
			29			Groundwater encountered at 28.5'.
Hole Terminated at 33' and backfilled with neat cement grout.			30			Water sample taken.
			31			
			32			
			33			
			34			
			35			

**LOUIS A. RICHARDSON**

Consulting Engineering Geologist  
 Mountain View, California

**Notes:**

BORING NO. B-14: Located on south side of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

Project No.  
539.44

# Boring Log No. B-15

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: Not Enc.

DATE: 07/15/93  
 HOLE DIA.: 8 in.  
 FINAL GW: Not Enc.

LOGGED BY: LAR  
 SAMPLER: California S Continuous  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
8' or Baserock at surface.	CL	[Hatched Pattern]	0			
SILTY CLAY: Medium plastic; minor fine sand, moist; dusky yel. brown (10YR 2/2).	CL	[Hatched Pattern]	1			
	CL	[Hatched Pattern]	2			
	CL	[Hatched Pattern]	3			
	CL	[Hatched Pattern]	4			
SANDY CLAY: Low to med. plastic; approx. 35% very fine sand; moist, moderate yel. brown (10YR 5/4).	CL	[Hatched Pattern]	5			
	CL	[Hatched Pattern]	6	[X]	27	
	CL	[Hatched Pattern]	7			
	CL	[Hatched Pattern]	8			
	CL	[Hatched Pattern]	9			
	CL	[Hatched Pattern]	10			
	CL	[Hatched Pattern]	11	[X]	28	
	CL	[Hatched Pattern]	12			
SILTY SAND: Fine grained; pale yellow brown (10YR 6/2); approx. 15% silty fines.	SM	[Vertical Lines]	13			
	SM	[Vertical Lines]	14			
	SM	[Vertical Lines]	15			
	SM	[Vertical Lines]	16	[X]	27	
	SM	[Vertical Lines]	17			
- Dark green-gray (5G 4/1) silty clay lens at 18 - 19'; very moist	CL	[Vertical Lines]	18			Continuous sampler used below 18. Slight product odor evident at 19'.
	SM	[Vertical Lines]	19			
	CL	[Hatched Pattern]	20			
CLAY Silty, low plasticity, moist; dark yel. brown mottled mod. yel. brown.	CL	[Hatched Pattern]	21			
	CL	[Hatched Pattern]	22			
Hole Abandoned at 23' and backfilled with neat cement grout.			23			
			24			
			25			
			26			
			27			
			28			
			29			
			30			
			31			
			32			
			33			
			34			
			35			

**LOUIS A. RICHARDSON**  
 Consulting Engineering Geologist  
 Mountain View, California

*Notes:*  
 BORING NO. B-15. Located west of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

Project No.  
539.44

Page 1 of 1

# Boring Log No. B-16

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: 28.7 ft.

DATE: 07/15/93  
 HOLE DIA.: 8 in.  
 FINAL GW: 28.7 ft.

LOGGED BY: LAR  
 SAMPLER: California & Continuous  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS	
Basement at surface	CL	0	0				
SILTY CLAY. Medium plastic; minor fine sand, moist; dusky yel. brown (IOYR 2/2).	CL	1	1				
		2	2				
		3	3				
		4	4				
		5	5				
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand, moist, moderate yel. brown (IOYR 5/4).	CL	6	6	24		TPH = ND @ 5'	
		7	7				
		8	8				
		9	9				
		10	10		26		TPH = ND @ 10'
		11	11				
SILTY SAND. Fine grained; pale yellow brown (IOYR 6/2); approx. 15% silty fines.	SM	12	12				
		13	13				
		14	14		28		TPH = ND @ 15'
	CL	15	15				
		16	16				
- Dark green-gray (SG 4/1) silty clay lens at 18 - 19'; very moist.	CL	17	17				
	SM	18	18			Continuous sampler used from 18' to 30'.	
	CL	19	19				
		20	20				
CLAY: Silty; low plasticity; moist; dark yel. brown mottled med. yel. brown		21	21				
		22	22				
		23	23			TPH = 6.9 ppm @ 23'	
		24	24			TPH = 37 ppm @ 24'	
		25	25				
- Slightly porous below 25' with lt. gray color at pores.		26	26			TPH = 48 ppm @ 26'	
		27	27				
		28	28			TPH = 23 PPM @ 28'	
	29	29			Groundwater encountered at 28.7'; product odor evident.		
	30	30			TPH = 64 ppm @ 29'		
		31	31				
		32	32			Groundwater sample taken.	
		33	33				
Hole Terminated at 33' and back filled with neat cement grout.		34	34				
		35	35				

**LOUIS A. RICHARDSON**

Consulting Engineering Geologist  
 Mountain View, California

**Notes:**

BORING NO. B-16: Located west of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

Project No.  
539.44



# Boring Log No. B-17

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: 29 ft.

DATE: 07/16/93  
 HOLE DIA.: 8 in.  
 FINAL GW: 29 ft.

LOGGED BY: LAR  
 SAMPLER: California & Continuous  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
5" of Baserock at surface.	CL	[Diagonal Hatching]	0			
SILTY CLAY: Medium plastic; minor fine sand; moist; dusky yel. brown (10YR 2.2).	CL	[Diagonal Hatching]	1			
		[Diagonal Hatching]	2			
		[Diagonal Hatching]	3			
		[Diagonal Hatching]	4			
SANDY CLAY. Low to med. plastic; approx. 35% very fine sand, moist; moderate yel. brown (10YR 5/4).		[Diagonal Hatching]	5	[Sample Icon]	14	TPH = ND @ 5'.
		[Diagonal Hatching]	6	[Sample Icon]		
		[Diagonal Hatching]	7			
		[Diagonal Hatching]	8			
		[Diagonal Hatching]	9			
		[Diagonal Hatching]	10	[Sample Icon]	10	TPH = ND @ 10'
		[Diagonal Hatching]	11	[Sample Icon]		
		[Diagonal Hatching]	12			
SILTY SAND. Fine grained, pale yellow brown (10YR 6/2); approx. 15% silty fines.	SM	[Vertical Lines]	13			
		[Vertical Lines]	14			
		[Vertical Lines]	15	[Sample Icon]	15	TPH = ND @ 15'
		[Vertical Lines]	16	[Sample Icon]		
		[Vertical Lines]	17			
		[Vertical Lines]	18			Continuous sampler used from 18' to 28'.
		[Vertical Lines]	19			
- Color is dark green-gray at 20'.		[Vertical Lines]	20			Pocket penetrometer reading is 1.0 TSF in clay.
		[Vertical Lines]	21			
CLAY: Silty, low to medium plasticity; moist; dark yel. brown mottled mod. yel. brown.	CL	[Diagonal Hatching]	22	[Sample Icon]		TPH = 2.4 ppm @ 22'
		[Diagonal Hatching]	23	[Sample Icon]		
		[Diagonal Hatching]	24	[Sample Icon]		TPH = 44 ppm @ 24'
		[Diagonal Hatching]	25	[Sample Icon]		TPH = 170 ppm @ 25.5'
		[Diagonal Hatching]	26	[Sample Icon]		
		[Diagonal Hatching]	27	[Sample Icon]		TPH = 11 ppm @ 27'
		[Diagonal Hatching]	28	[Sample Icon]		TPH = 56 ppm @ 28.5'
		[Diagonal Hatching]	29			Groundwater encountered at 29'.
		[Diagonal Hatching]	30			
		[Diagonal Hatching]	31			Water sample taken.
		[Diagonal Hatching]	32			
		[Diagonal Hatching]	33			
Hole Abandoned at 33' and backfilled with neat cement grout.		[Diagonal Hatching]	34			
		[Diagonal Hatching]	35			

**LOUIS A. RICHARDSON**  
 Consulting Engineering Geologist  
 Mountain View, California

*Notes:*  
 BORING NO. B-17: Located on northern side of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.


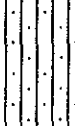



































Project No.  
539.44

# Boring Log No. B-18

PROJECT: Beck Roofing Co., Hayward, CA  
 DRILL RIG: Hollow Stem Auger  
 INITIAL GW DEPTH: 29 ft.

DATE: 07/18/93  
 HOLE DIA.: 8 in.  
 FINAL GW: 29 ft.

LOGGED BY: LAR  
 SAMPLER: California & Continuous  
 HOLE ELEV.: NA

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.	REMARKS
3" of Concrete at surface.	SM/ML		0			
SILT. Dusky yellow brown (10YR 2/2) topsoil.			1			
			2			
			3			
			4			
SILTY CLAY. Med. plastic; moist; mod. yel. brown (10YR 5/4)	CL		5		35	TPH = ND @ 5'
			6			
			7			
			8			
SILTY SAND. Fine-grained with minor gravel; sl. moist; moderate vel. brown (10YR 5/4); approx. 15% fines.	SM		9		20	TPH = ND @ 10'
			10			
			11			
			12			
			13			
			14			
			15		8	TPH = ND @ 15'
			16			
			17			
			18			Continuous sampler used from 18' to 30'.
			19			
			20			
CLAY. Silty, lt. olive gray (5Y 5/2) mottled mod. yel. brown; moist; low to med. plastic.	CL		21			
			22			
			23			TPH = 20 ppm @ 23'
			24			TPH = 43 ppm @ 24'
			25			
- dark yel. brn with lt. gray vertical pores at 26 to 28'.			26			TPH = 87 ppm @ 26'
			27			
- contains some fine sand below 28'.			28			TPH = 23 PPM @ 28'
			29			TPH = 61 PPM @ 28.5'
			30			Groundwater encountered at 29', product odor evident.
			31			
			32			Groundwater sample taken.
			33			
Hole Terminated at 33' and backfilled with neat cement grout.			34			
			35			

**LOUIS A. RICHARDSON**

Consulting Engineering Geologist  
 Mountain View, California

**Notes:**

BORING NO. B-18: Located east of slurry-filled excavation from gasoline tank removal at Beck Roofing Co. 21123 Meekland Ave., Hayward, Calif.

Project No.  
539.44



NATIONAL  
ENVIRONMENTAL  
TESTING, INC.®

NET Pacific, Inc.  
435 Tesconi Circle  
Santa Rosa, CA 95401  
Tel: (707) 526-7200  
Fax: (707) 526-9623

Paul Dzakowic  
D & D Management Cons., Inc  
PO Box 23040  
San Jose, CA 95153

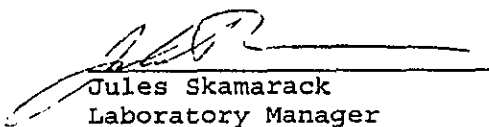
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NET Client Acct. No: 77700  
NET Pacific Job No: 93.03109  
Received: 07/20/1993

Client Reference Information

Beck Roofing

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

  
Jules Skamarack  
Laboratory Manager

Enclosure(s)



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
Page: 2

Ref: Beck Roofing

SAMPLE DESCRIPTION: B-14 @ 5  
Date Taken: 07/15/1993  
Time Taken: 10:30  
NET Sample No: 168723

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	7.3		0.2	mg/kg	EPA 7421	07/20/1993	07/23/1993
TPH (Gas/BTXE, Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
as Gasoline	ND		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC, Solid)	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
Benzene	ND		2.5	ug/kg	8020		07/26/1993
Toluene	ND		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	77			% Rec.	5030		07/26/1993



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
Page: 3

Ref: Beck Roofing

SAMPLE DESCRIPTION: B-14 @ 10  
Date Taken: 07/15/1993  
Time Taken: 10:45  
NET Sample No: 168724

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	4.3		0.2	mg/kg	EPA 7421	07/20/1993	07/23/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
as Gasoline	ND		1	mg/kg	5030		07/23/1993
METHOD 8020 (GC,Solid)	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
Benzene	ND		2.5	ug/kg	8020		07/23/1993
Toluene	ND		2.5	ug/kg	8020		07/23/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/23/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/23/1993
Bromofluorobenzene (SURR)	79			% Rec.	5030		07/23/1993



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
Page: 4

Ref: Beck Roofing

SAMPLE DESCRIPTION: B-14 @ 15  
Date Taken: 07/15/1993  
Time Taken: 11:00  
NET Sample No: 168725

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	4.0		0.2	mg/kg	EPA 7421	07/20/1993	07/23/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
as Gasoline	ND		1	mg/kg	5030		07/23/1993
METHOD 8020 (GC,Solid)	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
Benzene	ND		2.5	ug/kg	8020		07/23/1993
Toluene	ND		2.5	ug/kg	8020		07/23/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/23/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/23/1993
Bromofluorobenzene (SURR)	73			% Rec.	5030		07/23/1993



Client Acct: 77700  
 Client Name: D & D Management Cons., Inc .  
 NET Job No: 93.03109

Date: 08/04/1993  
 ELAP Certificate: 1386  
 Page: 5

Ref: Beck Roofing

SAMPLE DESCRIPTION: B-14 @ 19  
 Date Taken: 07/15/1993  
 Time Taken: 11:15  
 NET Sample No: 168726

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	10		0.2	mg/kg	EPA 7421	07/20/1993	07/23/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
as Gasoline	ND		1	mg/kg	5030		07/23/1993
METHOD 8020 (GC,Solid)							
DILUTION FACTOR*	1						07/23/1993
Benzene	10		2.5	ug/kg	8020		07/23/1993
Toluene	4.2		2.5	ug/kg	8020		07/23/1993
Ethylbenzene	4.4		2.5	ug/kg	8020		07/23/1993
Xylenes (Total)	5.5		2.5	ug/kg	8020		07/23/1993
Bromofluorobenzene (SURR)	84			% Rec.	5030		07/23/1993



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
Page: 6

Ref: Beck Roofing

SAMPLE DESCRIPTION: B-14 @ 22  
Date Taken: 07/15/1993  
Time Taken: 11:15  
NET Sample No: 168727

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	5.2		0.2	mg/kg	EPA 7421	07/20/1993	07/23/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
as Gasoline	2.7		1	mg/kg	5030		07/23/1993
METHOD 8020 (GC,Solid)	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
Benzene	320		2.5	ug/kg	8020		07/26/1993
Toluene	550		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	120		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	540		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	94			% Rec.	5030		07/26/1993





Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
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SAMPLE DESCRIPTION: B-14 @ 26  
Date Taken: 07/15/1993  
Time Taken: 11:45  
NET Sample No: 168728

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	5.1		0.2	mg/kg	EPA 7421	07/20/1993	07/23/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
as Gasoline	23		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC,Solid)	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
Benzene	330		2.5	ug/kg	8020		07/26/1993
Toluene	780		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	160		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	760		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	98			% Rec.	5030		07/26/1993



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SAMPLE DESCRIPTION: B-14 @ 27  
Date Taken: 07/15/1993  
Time Taken: 11:45  
NET Sample No: 168729

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	5.4		0.2	mg/kg	EPA 7421	07/20/1993	07/23/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
as Gasoline	4.1		1	mg/kg	5030		07/23/1993
METHOD 8020 (GC,Solid)	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
Benzene	390		2.5	ug/kg	8020		07/26/1993
Toluene	770		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	420		2.5	ug/kg	8020		07/23/1993
Xylenes (Total)	2,200		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	138 **			% Rec.	5030		07/26/1993

\*\* High surrogate recovery due to matrix interference.



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SAMPLE DESCRIPTION: B-16 @ 5  
Date Taken: 07/15/1993  
Time Taken: 13:55  
NET Sample No: 168730

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	8.4		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
as Gasoline	ND		1	mg/kg	5030		07/23/1993
METHOD 8020 (GC,Solid)	--						07/23/1993
DILUTION FACTOR*	1						07/23/1993
Benzene	ND		2.5	ug/kg	8020		07/23/1993
Toluene	ND		2.5	ug/kg	8020		07/23/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/23/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/23/1993
Bromofluorobenzene (SURR)	80			% Rec.	5030		07/23/1993



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SAMPLE DESCRIPTION: B-16 @ 10  
Date Taken: 07/15/1993  
Time Taken: 14:05  
NET Sample No: 168731

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	4.8		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
as Gasoline	ND		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC,Solid)	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
Benzene	ND		2.5	ug/kg	8020		07/26/1993
Toluene	ND		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	81			% Rec.	5030		07/26/1993



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SAMPLE DESCRIPTION: B-16 @ 15  
 Date Taken: 07/15/1993  
 Time Taken: 14:15  
 NET Sample No: 168732

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	3.3		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
as Gasoline	ND		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC,Solid)							
DILUTION FACTOR*	1						07/26/1993
Benzene	ND		2.5	ug/kg	8020		07/26/1993
Toluene	ND		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	79			% Rec.	5030		07/26/1993



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SAMPLE DESCRIPTION: B-16 @ 23  
 Date Taken: 07/15/1993  
 Time Taken: 14:40  
 NET Sample No: 168733

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	7.3		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE, Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
as Gasoline	6.9		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC, Solid)	--						07/27/1993
DILUTION FACTOR*	10						07/27/1993
Benzene	340		2.5	ug/kg	8020		07/27/1993
Toluene	310		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	150		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	500		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	99			% Rec.	5030		07/26/1993



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SAMPLE DESCRIPTION: B-16 @ 24  
Date Taken: 07/15/1993  
Time Taken: 15:15  
NET Sample No: 168734

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	8.3		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
as Gasoline	37		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC,Solid)	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
Benzene	370		2.5	ug/kg	8020		07/26/1993
Toluene	670		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	210		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	890		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	125 **			% Rec.	5030		07/26/1993

\*\* High surrogate recovery due to matrix interference.



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SAMPLE DESCRIPTION: B-16 @ 26  
Date Taken: 07/15/1993  
Time Taken: 15:15  
NET Sample No: 168735

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	4.9		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
as Gasoline	48		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	10						07/26/1993
Benzene	530		2.5	ug/kg	8020		07/26/1993
Toluene	620		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	430		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	2,000		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	75			% Rec.	5030		07/26/1993





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SAMPLE DESCRIPTION: B-16 @ 28  
Date Taken: 07/15/1993  
Time Taken: 15:15  
NET Sample No: 168736

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	7.6		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE, Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
as Gasoline	23		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC, Solid)	--						07/26/1993
DILUTION FACTOR*	10						07/26/1993
Benzene	300		2.5	ug/kg	8020		07/26/1993
Toluene	660		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	180		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	1,000		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	100			% Rec.	5030		07/26/1993



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SAMPLE DESCRIPTION: B-17 @ 5  
Date Taken: 07/16/1993  
Time Taken: 08:45  
NET Sample No: 168737

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	8.0		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
as Gasoline	ND		1	mg/kg	5030		07/26/1993
METHOD 8020 (GC,Solid)	--						07/26/1993
DILUTION FACTOR*	1						07/26/1993
Benzene	ND		2.5	ug/kg	8020		07/26/1993
Toluene	ND		2.5	ug/kg	8020		07/26/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/26/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/26/1993
Bromofluorobenzene (SURR)	76			% Rec.	5030		07/26/1993



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SAMPLE DESCRIPTION: B-17 @ 10  
 Date Taken: 07/16/1993  
 Time Taken: 08:55  
 NET Sample No: 168738

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
Lead (GFAA)	4.5		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
as Gasoline	ND		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)							
DILUTION FACTOR*	1						07/27/1993
Benzene	ND		2.5	ug/kg	8020		07/27/1993
Toluene	ND		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	90			% Rec.	5030		07/27/1993



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SAMPLE DESCRIPTION: B-17 @ 15  
Date Taken: 07/16/1993  
Time Taken: 09:05  
NET Sample No: 168739

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analzyed
Lead (GFAA)	4.5		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
as Gasoline	ND		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
Benzene	ND		2.5	ug/kg	8020		07/27/1993
Toluene	ND		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	90			% Rec.	5030		07/27/1993



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SAMPLE DESCRIPTION: B-17 @ 22  
Date Taken: 07/16/1993  
Time Taken: 09:15  
NET Sample No: 168740

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
Lead (GFAA)	9.1		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/28/1993
DILUTION FACTOR*	1						07/28/1993
as Gasoline	2.4		1	mg/kg	5030		07/28/1993
METHOD 8020 (GC,Solid)	--						07/28/1993
DILUTION FACTOR*	1						07/28/1993
Benzene	54		2.5	ug/kg	8020		07/28/1993
Toluene	59		2.5	ug/kg	8020		07/28/1993
Ethylbenzene	43		2.5	ug/kg	8020		07/28/1993
Xylenes (Total)	180		2.5	ug/kg	8020		07/28/1993
Bromofluorobenzene (SURR)	102			% Rec.	5030		07/28/1993



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SAMPLE DESCRIPTION: B-17 @ 24  
Date Taken: 07/16/1993  
Time Taken: 09:30  
NET Sample No: 168741

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	13		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	10						07/27/1993
as Gasoline	44		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	10						07/27/1993
Benzene	80		2.5	ug/kg	8020		07/27/1993
Toluene	530		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	330		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	1,400		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	98			% Rec.	5030		07/27/1993



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SAMPLE DESCRIPTION: B-17 @ 25.5  
Date Taken: 07/16/1993  
Time Taken: 09:30  
NET Sample No: 168742

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	12		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE, Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	100						07/27/1993
as Gasoline	170		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC, Solid)	--						07/27/1993
DILUTION FACTOR*	100						07/27/1993
Benzene	1,100		2.5	ug/kg	8020		07/27/1993
Toluene	8,200		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	4,000		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	22,000		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	100			% Rec.	5030		07/27/1993



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SAMPLE DESCRIPTION: B-17 @ 27  
Date Taken: 07/16/1993  
Time Taken: 09:30  
NET Sample No: 168743

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	5.1		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/30/1993
DILUTION FACTOR*	10						07/29/1993
as Gasoline	11		1	mg/kg	5030		07/29/1993
METHOD 8020 (GC,Solid)	--						07/30/1993
DILUTION FACTOR*	100						07/29/1993
Benzene	380		2.5	ug/kg	8020		07/29/1993
Toluene	1,200		2.5	ug/kg	8020		07/29/1993
Ethylbenzene	160		2.5	ug/kg	8020		07/29/1993
Xylenes (Total)	970		2.5	ug/kg	8020		07/29/1993
Bromofluorobenzene (SURR)	88			% Rec.	5030		07/29/1993





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SAMPLE DESCRIPTION: B-18 @ 5  
Date Taken: 07/16/1993  
Time Taken: 10:10  
NET Sample No: 168744

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
Lead (GFAA)	9.0		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
as Gasoline	ND		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
Benzene	ND		2.5	ug/kg	8020		07/27/1993
Toluene	ND		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	83			% Rec.	5030		07/27/1993



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SAMPLE DESCRIPTION: B-18 @ 10  
Date Taken: 07/16/1993  
Time Taken: 10:25  
NET Sample No: 168745

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	4.8		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE, Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
as Gasoline	ND		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC, Solid)	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
Benzene	ND		2.5	ug/kg	8020		07/27/1993
Toluene	ND		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	87			% Rec.	5030		07/27/1993



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SAMPLE DESCRIPTION: B-18 @ 15  
 Date Taken: 07/16/1993  
 Time Taken: 10:45  
 NET Sample No: 168746

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
Lead (GFAA)	4.3		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
as Gasoline	ND		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	1						07/27/1993
Benzene	ND		2.5	ug/kg	8020		07/27/1993
Toluene	ND		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	ND		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	ND		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURRE)	74			% Rec.	5030		07/27/1993



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SAMPLE DESCRIPTION: B-18 @ 23  
Date Taken: 07/16/1993  
Time Taken: 11:00  
NET Sample No: 168747

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	11		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE, Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	10						07/27/1993
as Gasoline	20		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC, Solid)	--						07/27/1993
DILUTION FACTOR*	10						07/27/1993
Benzene	460		2.5	ug/kg	8020		07/27/1993
Toluene	310		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	150		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	750		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	89			% Rec.	5030		07/27/1993



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
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Ref: Beck Roofing

SAMPLE DESCRIPTION: B-18 @ 24  
Date Taken: 07/16/1993  
Time Taken: 11:30  
NET Sample No: 168758

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	9.3		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	20						07/27/1993
as Gasoline	43		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	20						07/27/1993
Benzene	690		2.5	ug/kg	8020		07/27/1993
Toluene	1,700		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	590		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	3,300		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	90			% Rec.	5030		07/27/1993



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
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Ref: Beck Roofing

SAMPLE DESCRIPTION: B-18 @ 26  
Date Taken: 07/16/1993  
Time Taken: 11:30  
NET Sample No: 168759

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	11		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							07/27/1993
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	50						07/27/1993
as Gasoline	87		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	50						07/27/1993
Benzene	550		2.5	ug/kg	8020		07/27/1993
Toluene	2,100		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	1,100		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	6,900		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	76			‡ Rec.	5030		07/27/1993



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
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Ref: Beck Roofing

SAMPLE DESCRIPTION: B-18 @ 28  
Date Taken: 07/16/1993  
Time Taken: 11:30  
NET Sample No: 168760

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
Lead (GFAA)	9.8		0.2	mg/kg	EPA 7421	07/21/1993	07/27/1993
TPH (Gas/BTXE,Solid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	20						07/27/1993
as Gasoline	23		1	mg/kg	5030		07/27/1993
METHOD 8020 (GC,Solid)	--						07/27/1993
DILUTION FACTOR*	20						07/27/1993
Benzene	170		2.5	ug/kg	8020		07/27/1993
Toluene	350		2.5	ug/kg	8020		07/27/1993
Ethylbenzene	84		2.5	ug/kg	8020		07/27/1993
Xylenes (Total)	470		2.5	ug/kg	8020		07/27/1993
Bromofluorobenzene (SURR)	85			% Rec.	5030		07/27/1993



Client Acct: 77700  
 Client Name: D & D Management Cons., Inc  
 NET Job No: 93.03109

Date: 08/04/1993  
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SAMPLE DESCRIPTION: B-14 @ 28.5  
 Date Taken: 07/15/1993  
 Time Taken: 11:55  
 NET Sample No: 168761

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	0.037		0.002	mg/L	EPA 7421	07/22/1993	07/29/1993
TPH (Gas/BTXE, Liquid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	100						07/23/1993
as Gasoline	91		0.05	mg/L	5030		07/23/1993
METHOD 8020 (GC, Liquid)	--						07/26/1993
DILUTION FACTOR*	1,000						07/23/1993
Benzene	7,800		0.5	ug/L	8020		07/23/1993
Toluene	11,000		0.5	ug/L	8020		07/23/1993
Ethylbenzene	3,200		0.5	ug/L	8020		07/23/1993
Xylenes (Total)	18,000		0.5	ug/L	8020		07/23/1993
Bromofluorobenzene (SURR)	89			% Rec.	5030		07/23/1993





Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
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Ref: Beck Roofing

SAMPLE DESCRIPTION: B-16 @ 29  
Date Taken: 07/15/1993  
Time Taken: 15:45  
NET Sample No: 168762

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
Lead (GFAA)	0.028		0.002	mg/L	EPA 7421	07/22/1993	07/29/1993
TPH (Gas/BTXE, Liquid)							
METHOD 5030/M8015	--						07/26/1993
DILUTION FACTOR*	100						07/23/1993
as Gasoline	64		0.05	mg/L	5030		07/23/1993
METHOD 8020 (GC, Liquid)	--						07/26/1993
DILUTION FACTOR*	100						07/23/1993
Benzene	9,000		0.5	ug/L	8020		07/23/1993
Toluene	11,000		0.5	ug/L	8020		07/23/1993
Ethylbenzene	2,000		0.5	ug/L	8020		07/23/1993
Xylenes (Total)	13,000		0.5	ug/L	8020		07/23/1993
Bromofluorobenzene (SURR)	87			% Rec.	5030		07/23/1993



Client Acct: 77700  
 Client Name: D & D Management Cons., Inc  
 NET Job No: 93.03109

Date: 08/04/1993  
 ELAP Certificate: 1386  
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Ref: Beck Roofing

SAMPLE DESCRIPTION: B-17 @ 28.5  
 Date Taken: 07/16/1993  
 Time Taken: 09:40  
 NET Sample No: 168763

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
Lead (GFAA)	0.30		0.002	mg/L	EPA 7421	07/22/1993	07/29/1993
TPH (Gas/BTXE, Liquid)							
METHOD 5030/M8015	--						07/27/1993
DILUTION FACTOR*	100						07/23/1993
as Gasoline	56		0.05	mg/L	5030		07/23/1993
METHOD 8020 (GC, Liquid)							
DILUTION FACTOR*	1,000						07/23/1993
Benzene	5,700		0.5	ug/L	8020		07/23/1993
Toluene	5,700		0.5	ug/L	8020		07/23/1993
Ethylbenzene	1,500		0.5	ug/L	8020		07/23/1993
Xylenes (Total)	11,000		0.5	ug/L	8020		07/27/1993
Bromofluorobenzene (SURR)	95			% Rec.	5030		07/23/1993



Client Acct: 77700  
Client Name: D & D Management Cons., Inc  
NET Job No: 93.03109

Date: 08/04/1993  
ELAP Certificate: 1386  
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Ref: Beck Roofing

SAMPLE DESCRIPTION: B-18 @ 28.5  
Date Taken: 07/16/1993  
Time Taken: 11:45  
NET Sample No: 168764

Parameter	Results	Flags	Reporting		Method	Date	Date
			Limit	Units		Extracted	Analyzed
Lead (GFAA)	0.78		0.002	mg/L	EPA 7421	07/22/1993	07/29/1993
TPH (Gas/BTXE,Liquid)							
METHOD 5030/M8015	--						07/28/1993
DILUTION FACTOR*	200						07/28/1993
as Gasoline	61		0.05	mg/L	5030		07/28/1993
METHOD 8020 (GC,Liquid)	--						07/28/1993
DILUTION FACTOR*	200						07/28/1993
Benzene	11,000		0.5	ug/L	8020		07/28/1993
Toluene	3,800		0.5	ug/L	8020		07/28/1993
Ethylbenzene	2,400		0.5	ug/L	8020		07/28/1993
Xylenes (Total)	12,000		0.5	ug/L	8020		07/28/1993
Bromofluorobenzene (SURR)	107			% Rec.	5030		07/28/1993



Ref: Beck Roofing

QUALITY CONTROL DATA

Parameter	Reporting		Cal Verf		Duplicate		RPD
	Limits	Units	Stand % Recovery	Blank Data	Spike % Recovery	Spike % Recovery	
Gasoline	0.05	mg/L	105.0	ND	110.0	111.0	0.9
Benzene	0.5	ug/L	94.0	ND	96.5	97.9	1.4
Toluene	0.5	ug/L	88.0	ND	103.8	109.9	5.7
Gasoline	0.05	mg/L	108.0	ND	104.0	107.0	2.8
Benzene	0.5	ug/L	106.2	ND	98.9	100.9	1.9
Toluene	0.5	ug/L	96.4	ND	101.0	102.0	1.0
Gasoline	0.05	mg/L	104.0	ND	114.0	118.0	3.4
Benzene	0.5	ug/L	97.2	ND	102.2	104.4	2.1
Toluene	0.5	ug/L	91.2	ND	102.7	105.4	2.6
Gasoline	0.05	mg/L	94.0	ND	115.0	115.0	0.0
Benzene	0.5	ug/L	91.2	ND	115.0	115.0	0.0
Toluene	0.5	ug/L	85.0	ND	114.9	114.9	0.0
Gasoline	0.05	mg/L	99.2	ND	106.4	105.7	0.7
Benzene	0.5	ug/L	90.6	ND	104.3	103.0	1.3
Toluene	0.5	ug/L	94.4	ND	104.3	102.6	1.6
Gasoline	1.0	mg/kg	101.4	ND	91.0	88.0	3.4
Benzene	2.5	ug/kg	104.8	ND	100.0	104.7	4.6
Toluene	2.5	ug/kg	104.4	ND	97.3	97.9	0.6
Gasoline	1.0	mg/kg	101.0	ND	84.6	85.4	0.9
Benzene	2.5	ug/kg	100.0	ND	93.9	94.6	0.7
Toluene	2.5	ug/kg	90.4	ND	94.1	94.8	0.7
Gasoline	1.0	mg/kg	105.8	ND	88.8	99.4	11.3
Benzene	2.5	ug/kg	96.4	ND	95.2	101.4	6.2
Toluene	2.5	ug/kg	100.0	ND	97.2	101.4	4.1
Gasoline	1.0	mg/kg	109.2	ND	104.6	104.2	0.4
Benzene	2.5	ug/kg	106.0	ND	96.0	97.3	1.3
Toluene	2.5	ug/kg	98.8	ND	97.5	97.5	0.0
Gasoline	1.0	mg/kg	100.0	ND	88.8	100.4	12.2
Benzene	2.5	ug/kg	106.8	ND	91.7	97.7	6.3
Toluene	2.5	ug/kg	103.2	ND	102.0	108.9	6.5
Gasoline	1.0	mg/kg	100.0	ND	92.8	89.6	3.5
Benzene	2.5	ug/kg	107.6	ND	107.0	102.3	4.5
Toluene	2.5	ug/kg	107.2	ND	112.8	109.8	2.7

COMMENT: Blank Results were ND on other analytes tested.

Lead	0.2	mg/kg	95.7	ND	95.0	106.0	10.8
Lead	0.002	mg/L	96.4	ND	98.4	98.8	0.4



KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- \* : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than the applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference,  $100 \text{ [Value 1 - Value 2] / mean value}$ .
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, Rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, Rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986., Rev. 1, December 1987.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

1100334

# CHAIN OF CUSTODY RECORD

4725

D & D Management Consultants, Inc  
 P. O. Box 23040  
 San Jose, CA 95153

PAGE 2 of 4

PROJECT NO.		SITE NAME & ADDRESS					ANALYSES REQUESTED						REMARKS
		Beek Roofing					TPH (Gasoline) S B, T, X, & E	TPH (Diesel) & B, T, X, & E	Total Oil & Grease	Halogenated HC's	B, T, X & E	Heavy Metals TOTAL	
WITNESSING AGENCY / INSPECTOR NAME / DATE													
ID NO.	DATE	TIME	SOIL	WATER	SAMPLERS LOCATION								
1100311	7/15/93	1030	X		B-14 @ 5'		X				X	10 DAY TURN AROUND	
1100315		1045	X		B-14 @ 10'		X				X		
1100314		1100	X		B-14 @ 15'		X				X		
1100313		1115	X		B-14 @ 19'		X				X		
1100312		1115	X		B-14 @ 22'		X				X		
1100317		1145	X		B-14 @ 25'		X				X		
1100318		1145	X		B-14 @ 27'		X				X		* preserved all 250 ml
1100326		1:50 PM	X		B-16 @ 5'		X				X		w/ HNO <sub>3</sub> for PD analysis
1100325		2:05 PM	X		B-16 @ 10'		X				X		AL 7/20/93
1100324		2:15 PM	X		B-16 @ 15'		X				X		
1100323		2:40 PM	X		B-16 @ 23'		X				X		

Relinquished by: <i>[Signature]</i>	Date/Time: 7/19/93 1400	Received by: <i>[Signature]</i>	The following MUST BE completed by the laboratory receiving samples for analysis: 1. Have all samples received in coolers? <u>yes</u> 2. Will samples remain refrigerated until analyzed? <u>yes</u> 3. Did any samples received for analysis have headspace? <u>No</u> 4. Will samples be analyzed within the specified time? <u>yes</u> Analytical Support Tech 7-20-93
Relinquished by: <i>[Signature]</i>	Date/Time: 7/19 1700	Received by: <i>[Signature]</i>	
Relinquished by: <i>[Signature]</i>	Date/Time:	Received by: <i>[Signature]</i>	
Relinquished by: <i>[Signature]</i>	Date/Time: 7-20-93 0800	Received by: <i>[Signature]</i> via NCS courier ALopez	

Rev: 12-98

(CUSTODY SEALED 7/19)  
 @ 1700  
 seals intact. AL

1100333

CHAIN OF CUSTODY RECORD #123

Page 2 of 4

PROJECT NO.		SITE NAME & ADDRESS				ANALYSES REQUESTED					REMARKS	
WITNESSING AGENCY / INSPECTOR NAME / DATE						TPH (Gasoline) S B, T, X, & E	TPH (Diesel) & B, T, X, & E	Total Oil & Grease	Halogenated HCs	B, T, X & E		Metals Pb, Cu, Cd, Cr, Ni, Zn
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION							
1100338	7/15/93	3:15pm	X		B-16 @ 24'	X					X	10 Day Turn Around
1100339	"	3:15pm	X		B-16 @ 24'	X					X	
1100340	"	3:15pm	X		B-16 @ 23'	X					X	
1100345	7/16/93	8:45	X		B-17 @ 5'	X					X	
1100346	"	8:55	X		B-17 @ 10'	X					X	
1100347	"	9:05	X		B-17 @ 15'	X					X	
1100348	"	9:15	X		B-17 @ 22'	X					X	
1100350	"	9:30	X		B-17 @ 24'	X					X	
1100351	"	9:30	X		B-17 @ 25 1/2'	X					X	
1100349	"	9:30	X		B-17 @ 27'	X					X	
1100353	"	10:10	X		B-18 @ 5'	X					X	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		The following MUST BE completed by the laboratory receiving samples for analysis: 1. Have all samples received for analysis been... <u>yes</u> 2. Will samples remain refrigerated until analyzed? <u>yes</u> 3. Did any samples received for analysis have headspace? <u>Yes No</u> 4. Were samples in proper containers... <u>yes</u> 5. <u>James Lopez</u> Support L. Isch 7-20-93						
Relinquished by: (Signature)		Date/Time		Received by: (Signature)								
Relinquished by: (Signature)		Date/Time		Received by: (Signature)								
Relinquished by: (Signature)		Date/Time		Received by: (Signature)								

Rev: 12-88

(CUSTODY SEALED 7/19)  
@ 1700

Seals intact. A.L.

4723

1100306

CHAIN OF CUSTODY RECORD

Page 3 of 4

PROJECT NO.		SITE NAME & ADDRESS					ANALYSES REQUESTED						REMARKS
1100306		Beck Roofing											
WITNESSING AGENCY / INSPECTOR NAME / DATE:													10 DAY Turnaround.
ID#C	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	TPH (Gasoline) & B, T, X, & E	TPH (Diesel) & B, T, X, & E	Total Oil & Grease	Halogenated HCs	S, T, X, & E	Trace Metals TITANIUM		
1100353	7/16/93	1025	X		B-18 @ 10'	X					X	* 250 ml amber glass for Pb received broken Sample partially frozen I.D. # 17 @ 28.5' A.C. 7/20/93 OK to use I.D. # 17 for T-Pb in this sample per Paul D. to S. Long 7/20/93	
		1045	X		B-18 @ 15'	X					X		
		1100	X		B-18 @ 23'	X					X		
		1130	X		B-18 @ 24'	X					X		
		1130	X		B-18 @ 24'	X					X		
		1130	X		B-18 @ 28'	X					X		
	7/15/93	1155	X		B-14 @ 28.5'	X					X		
	7/15/93	345pm	X		B-16 @ 29'	X					X		
	7/16/93	940	X		B-17 @ 23.5'	X					X		
	7/16/93	1145	X		B-18 @ 28.5'	X					X		
	7/16/93	1200pm	X		MU-1 @ 28.6'	X					X		
Relinquished by: <i>[Signature]</i>	Signature:	Date/Time: 7/19/93 400	Received by: <i>[Signature]</i>	Signature:	The following MUST be completed by the user for analysis:								
Relinquished by: <i>[Signature]</i>	Signature:	Date/Time: 7/19 1700	Received by: <i>[Signature]</i>	Signature:	1. Were all samples properly sealed and labeled? <u>yes</u>								
Relinquished by: <i>[Signature]</i>	Signature:	Date/Time:	Received by: <i>[Signature]</i>	Signature:	2. Did samples remain refrigerated until analyzed? <u>yes</u>								
Relinquished by: <i>[Signature]</i>	Signature:	Date/Time:	Received by: <i>[Signature]</i>	Signature:	3. Did any samples received for analysis have a date stamp? <u>No</u>								
Relinquished by: <i>[Signature]</i>	Signature:	Date/Time:	Received by: <i>[Signature]</i>	Signature:	4. Were all samples analyzed? <u>yes</u>								
7-20-93: 0800					via NCS Courier		Annayhope		Support Tech		420 473		

Rev. 12-91

(CUSTODY SEALED 7/19)  
 @ 1700  
 Seals intact. A.L.