

APPENDIX E

BORING LOGS



Site Id: HISB-01

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/04/00 - 08/04/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 8-10', 17-19', 26-28', and 58-60'.

Elevation: 64.98'

Datum: Mean Sea Level

Logged By: J. Diamond

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			57.3 ppm 65.5 ppm 28.3 ppm		Dusky brown, clayey silty TOPSOIL w/wood and organic matter Brown-dusky yellow, fine-v fine SAND w/some silt and fine gravel
4-8'			1.8 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate brown, coarse-v. coarse SAND w/fine gravel, some silt Dk yellowish orange, coarse-med SAND w/v coarse sand, trace silt Moderate brown, med-v coarse SAND w/fine gravel, some mica
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above, trace silt Dusky-moderate brown, coarse-v coarse SAND w/fine-coarse gravel, some clay and mica
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate brown to dk yellow-orange, coarse-v coarse SAND w/fine gravel and some mica Dusky yellow brown, medium-coarse silty SAND w/some mica, trace clay
16-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Mod yellow-br, med-v coarse SAND w/some f gravel and mica, trace silt Same as above, moderate brown, trace silt at 16' Dk yellow orange, med-v coarse SAND w/fine-coarse gravel, some mica, loose, dry
20-24'			0.0 ppm 89.1 ppm 90.2 ppm 17.2 ppm 46.3 ppm 0.0 ppm 0.0 ppm		Dk yellow orange, coarse-v coarse SAND w/fine-coarse gravel, trace silt HCN = 0.3 ppm @ 21' HCN = 0.3 ppm @ 24.5' and 25.5'
24-26'			0.0 ppm 0.0 ppm 0.0 ppm 29.6 ppm		Dk yellowish brown, fine-v coarse SAND w/fine gravel, some mica Lt brown, coarse-v coarse SAND w/fine gravel, some mica, moist
26-28'			0.0 ppm 0.0 ppm		Dk yellow orange-mod yellow brown, med-v coarse SAND w/fine gravel, wet
58-60'			11.8 ppm		Moderate yellow-brown, medium-v coarse SAND w/fine gravel, wet

Location: Hempstead		Site Id: HISB-01	
Purpose: Soil Boring		Total Depth: 60.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'			45.0 ppm		Dark yellowish-orange, medium-coarse SAND w/some mica, wet No recovery
32-34'					
34-36'			8.6 ppm 17.9 ppm 32.6 ppm		Dk yellow orange, coarse-v coarse SAND w/fine-coarse gravel, wet
36-38'			167 ppm 194 ppm		Same as above, fine gravel
38-40'			134 ppm		Moderate yellowish brown, coarse-medium SAND, loose, wet
43-45'			177 ppm 366 ppm 97.3 ppm		Grayish orange, coarse-med SAND w/fine-coarse gravel, some mica, wet
48-50'			16.3 ppm 25.8 ppm 56.4 ppm		Mod yellowish brown, coarse-v coarse SAND w/fine gravel, wet
53-55'			102 ppm		Dk yellowish orange, med-v coarse SAND w/fine gravel, wet
58-60'			0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown, coarse-medium SAND, wet Yellowish gray-dk yellowish brown, coarse-medium micaceous SAND, wet Base of boring - 60 ft.



Site Id: HISB-02

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/07/00 - 08/08/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 8-10', 17-19', 28-30', and 58-60'.

Elevation: 71.13'

Datum: Mean Sea Level

Logged By: J. Diamond

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Dk yellowish brown, silty fine sandy TOPSOIL w/some clay, grass Mod yellowish brown, SILT to v coarse SAND w/some clay and fine-coarse gravel Dk yellowish orange, coarse-v coarse SAND w/f-c gravel, some mica, loose, dry Dk yellowish orange, med-v coarse SAND w/some f gravel and mica, loose, dry Mod yellowish brown, fine-medium SAND w/some mica, trace silt Grayish orange, coarse-v coarse SAND w/fine gravel Dk yellowish orange, coarse-v coarse SAND w/some fine gravel, trace silt Dk yellowish orange-mod brown, med-v coarse SAND w/fine gravel and some mica
4-8'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			
8-12'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			
12-16'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			
16-20'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			
20-22'		0.0 ppm 0.0 ppm 0.0 ppm			
22-24'		0.0 ppm 0.0 ppm 0.0 ppm			
24-26'		0.0 ppm 0.0 ppm 0.0 ppm			
26-28'		0.0 ppm 0.0 ppm			
28-30'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			

Location: Hempstead		Site Id: HISB-02	
Purpose: Soil Boring		Total Depth: 60.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	0.0 ppm 0.0 ppm		Dark yellowish orange-moderate brown, medium-coarse SAND w/some mica, wet Grayish orange w/mod brown striations, medium-coarse SAND w/some mica, wet
32-34'		32-34'	0.0 ppm 0.0 ppm 0.0 ppm		
34-36'		34-36'	0.0 ppm 407 ppm 159 ppm		
36-38'		36-38'	0.0 ppm 0.0 ppm 0.0 ppm		
38-40'		38-40'	0.0 ppm 0.0 ppm 0.0 ppm		
43-45'		43-45'	0.0 ppm 0.0 ppm 0.0 ppm		
48-50'		48-50'	0.0 ppm 0.0 ppm 3.5 ppm 0.0 ppm		
53-55'		53-55'	23.4 ppm 13.6 ppm 22.8 ppm 28.6 ppm		
58-60'		58-60'	0.0 ppm 0.0 ppm 0.0 ppm		
60'					Base of boring - 60 ft.



Site Id: HISB-03
Location: Hempstead
Purpose: Soil Boring
Date(s): 07/28/00 - 07/31/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 6-8' and 58-60'.

Elevation: 74.53'
Datum: Mean Sea Level
Logged By: J. Diamond
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dusky yellow brown, TOPSOIL w/fine sand and silt Dusky yellowish brown, silty CLAY w/fine gravel
4-8'		4-8'	0.1 ppm 0.2 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 19.2 ppm 0.0 ppm		Dark yellowish orange, med-very coarse SAND w/fine-coarse gravel, trace silt Mod yellowish brown-grayish orange, coarse-very coarse SAND w/fine-coarse gravel, thin gravel bed at 5.25', trace silt
8-12'		8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Mod-dark yellowish brown, very coarse SAND w/fine-coarse gravel, trace silt Dark yellowish orange-lt brown, coarse-v coarse SAND w/fine-coarse gravel Dark yellowish orange-moderate brown, medium-very coarse SAND w/fine gravel, some mica
12-16'		12-16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate-dusky yellowish brown, fine-very coarse SAND w/fine gravel, .2' clayey silt layer, trace silt HCN = 0.5 ppm @ 13'
16-20'		16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Lt-dk yellow orange, medium-coarse SAND, w/very coarse sand, coarse gravel Dk yellow orange-grayish orange-brown, med SAND w/some f gravel, trace mica Light brown-moderate yellowish brown, coarse-very coarse SAND w/some fine gravel, some mica, trace silt HCN = 0.3 ppm @ 16.5' HCN = 0.2 ppm @ 19'
20-24'		20-24'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate brown-dark yellowish orange, medium-very coarse SAND w/fine-coarse gravel Light brown to dark-light yellowish orange, medium-very coarse SAND w/fine gravel
24-28'		24-28'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark yellowish orange, medium-very coarse SAND w/fine-coarse gravel Grayish orange, medium SAND w/some mica, trace silt Moderate brown-dark yellowish orange, medium-very coarse SAND w/fine-coarse gravel
28-32'		28-32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark yellow orange-gray orange, medium-very coarse SAND w/fine-coarse gravel, some mica

Location: Hempstead	Site Id: HISB-03
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'		32-36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark yellow orange-gray orange, med-very coarse SAND w/f-c gravel, some mica Moderate yellowish brown, silty medium-very coarse SAND Grayish orange-moderate yellowish brown, medium-very coarse SAND w/fine-coarse gravel, wet HCN = 0.1 ppm @ 32.5'
36-40'		36-40'	0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange, medium-very coarse SAND w/some fine gravel Moderate yellowish brown, fine-medium SAND w/some mica, interbedded with dk yellowish orange, coarse-very coarse sand, wet
43-45'		43-45'	1.5 ppm		Moderate-dark yellowish brown, coarse-medium SAND w/very coarse sand, fine-coarse gravel, wet
48-50'		48-50'			Moderate yellowish brown-dark yellowish orange, medium-very coarse SAND w/fine gravel, wet
53-55'		53-55'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
58-60'		58-60'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
60'					Base of boring - 60 ft.



Site Id: HISB-04

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/24/00 - 07/25/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 8-10', 18-20', 24-26', and 58-60'.

Elevation: 72.59'

Datum: Mean Sea Level

Logged By: J. Diamond

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0-4.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Grayish black, medium-very coarse sandy silty FILL w/coal fragments Dark yellowish brown-light brown, silty CLAY w/fine gravel
4-8'		4.0-8.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange, coarse-very coarse SAND w/fine-coarse gravel, dry Grayish orange-moderate brown, coarse-very coarse SAND w/fine-coarse gravel, trace of mica
8-12'		8.0-12.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Mod yellow br, coarse-v coarse SAND w/f-c gravel, trace silt and mica Grayish orange-dk yellowish orange-lt brown, coarse-very coarse SAND w/fine-coarse gravel, trace mica and silt
12-16'		12.0-16.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Lt brown-mod yellowish brown, coarse-v coarse SAND w/f gravel, trace silt Mod yellow brown-mod brown, coarse-v coarse SAND w/f-c gravel, thin silty coarse sand bed at 13', trace mica
16-20'		16.0-20.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow orange-pale orange, med-v coarse SAND w/some mica and f gravel Moderate yellowish brown-moderate brown, coarse-very coarse SAND w/fine-coarse gravel, some mica, thin silty medium-coarse sand bed at 18.75'
20-24'		20.0-24.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow brown-gray orange-dusky yellow brown-light brown, med-v coarse SAND w/fine gravel, trace silt and mica
24-28'		24.0-28.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-dark yellowish orange, medium-very coarse SAND w/fine-coarse gravel, trace silt and mica
28-30'		28.0-30.0'	0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange-lt brown, medium-very coarse SAND w/f-c gravel, some mica Moderate brown, medium-very coarse SAND w/fine gravel, little mica

Location: Hempstead	Site Id: HISB-04
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	0.0 ppm 0.0 ppm		Pale yellowish brown, medium-very coarse SAND w/fine gravel, wet
32-34'		32-34'	0.0 ppm		Moderate yellowish brown, med-very coarse SAND w/fine-coarse gravel, wet
34-36'		34-36'	0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown-grayish orange, medium-very coarse SAND w/fine gravel, wet
36-38'		36-38'	0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange, coarse-very coarse SAND w/some fine gravel, wet
38-40'		38-40'	0.0 ppm 0.0 ppm 0.0 ppm		Mod yellowish br-grayish orange, fine-med-coarse SAND w/some mica, wet
43-45'		43-45'	0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange-mod yellowish br, med-coarse SAND w/some f gravel, wet
48-50'		48-50'			No recovery
53-55'		53-55'	0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown, med-fine SAND w/some mica, trace silt, wet
58-60'		58-60'	0.0 ppm 0.0 ppm 19.1 ppm		Moderate yellowish brown-dark yellowish orange, coarse-very coarse SAND w/fine-coarse gravel, wet
					Base of boring - 60 ft.



Site Id: HISB-05

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/15/00 - 08/16/00

Total Depth: 62.00'

Remarks: Samples selected for analysis at 4-6', 18-20', 28-30', and 60-62'.

Elevation: 72.14'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0-4.0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, SILT w/some fine gravel, brittle, slightly plastic, moist
4-8'		4.0-8.0	0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty SAND to orange-brown, fine-coarse sand w/trace gravel, loose, moist
8-12'		8.0-12.0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/some fine gravel, loose, moist
12-16'		12.0-16.0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, loose, moist
16-20'		16.0-20.0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/fine gravel, loose, moist
20-24'		20.0-24.0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, gravelly fine-coarse SAND w/fine gravel, loose, moist
24-28'		24.0-28.0	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
28-32'		28.0-32.0	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Lt orange-brown to brown, fine-coarse SAND w/some f gravel, loose, wet

Location: Hempstead		Site Id: HISB-05	
Purpose: Soil Boring		Total Depth: 62.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32		32-36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Lt orange-brown to brown, fine-coarse SAND w/some f gravel, loose, wet Brown, fine SAND w/some medium sand, trace coarse sand and fine gravel, medium dense, wet
36		36-40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/trace coarse sand and fine gravel, medium dense, wet
40		40-44'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, gravelly fine-coarse SAND w/fine-coarse gravel, medium dense, wet
45		45-47'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/trace fine gravel, medium dense, wet
50		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand, trace fine gravel, medium dense, wet
55		55-57'	0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/trace coarse sand, medium dense, wet
60		60-62'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/fine gravel, medium dense, wet
62					Base of boring - 62 ft.



Site Id: HISB-06
Location: Hempstead
Purpose: Soil Boring
Date(s): 08/14/00 - 08/15/00
Total Depth: 62.00'
Remarks: Samples selected for analysis at 0-2', 16-18', 24-26', and 60-62'.

Elevation: 72.90'
Datum: Mean Sea Level
Logged By: J. Schafer
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'	0.0	0.0-4.0'	0.0 ppm		Brown, loamy TOPSOIL, loose, dry Brown, SILT, nonplastic, dry
4-8'	0.0	4.0-8.0'	0.0 ppm	o o o o	Lt orange-brown, SAND w/fine-coarse gravel, loose, dry Brown, fine-coarse SAND w/fine gravel, loose, moist
8-12'	0.0	8.0-12.0'	0.0 ppm	o o o o	Brown, fine-coarse SAND w/some fine gravel, loose, moist
12-16'	0.0	12.0-16.0'	0.0 ppm	o o o o	Orange-brown, fine-coarse SAND w/trace gravel, loose, moist
16-20'	0.0	16.0-20.0'	0.0 ppm	o o o o	Brown, fine-coarse SAND w/some gravel, loose, moist
20-24'	0.0	20.0-24.0'	0.0 ppm	o o o o	Orange-brown, fine-coarse SAND w/trace fine gravel, loose, moist
24-28'	0.0	24.0-28.0'	0.0 ppm	o o o o	Same as above
28-32'	0.0	28.0-32.0'	0.0 ppm	o o o o	Orange-brown, fine-medium SAND w/some coarse sand and fine gravel, loose, moist

Location: Hempstead	Site Id: HISB-06
Purpose: Soil Boring	Total Depth: 62.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0			0.0 ppm		Orange-br, fine-med SAND w/some c sand and f gravel, loose, moist
32-34'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/trace coarse sand and fine gravel, loose, wet
34-36'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, very fine SAND, loose, wet
36-38'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse and fine gravel, loose, wet
38-40'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/trace coarse sand and fine gravel, loose, wet
40-42'			0.0 ppm		Brown, sandy fine GRAVEL w/fine-coarse sand, loose, wet
45-47'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, sandy fine GRAVEL w/fine-coarse sand, loose, wet Brown, fine-medium SAND w/trace fine gravel, medium dense, wet
50-52'					No recovery
55-57'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand, medium dense, wet
60-62'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/some fine gravel, medium dense, wet
					Base of boring - 62 ft.



Site Id: HISB-07

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/16/00 - 08/24/00

Total Depth: 82.00'

Remarks: Samples selected for analysis at 8.5-10.5', 18-20', 24-26', 58-60', and 80-82'.

Elevation: 67.77'

Datum: Mean Sea Level

Logged By: Diamond/Schafer

Drilling Method: Direct Push

Contractor: Zebro Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			7.0 ppm 8.7 ppm 11.0 ppm 8.0 ppm		Dk yellow brown, fine-v coarse sandy FILL w/some clay, silt and fine gravel, clinker
4-8'			0.0 ppm 0.0 ppm 0.6 ppm 1.1 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow brown-dk yellow orange, v coarse SAND w/some clay, silt and fine gravel, trace mica
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow brown, CLAY, w/v coarse sand & fine gravel, soft-med stiff HCN = 0.4 ppm @ 6' Dk yellow brown, med-v coarse SAND w/fine-coarse gravel, trace silt HCN = 0.4 ppm @ 6.5'
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow orange-med yellow brown, coarse-med SAND w/v coarse sand to fine gravel Dk yellow brown-lt brown, coarse SAND w/fine gravel & some mica HCN = 0.7 ppm @ 9.5'
16-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow orange, med-v coarse SAND w/some fine gravel, mica, trace silt Moderate yellow brown-moderate brown, coarse-v coarse SAND w/fine-coarse gravel, some mica
20-24'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 1.2 ppm 0.5 ppm		Dk yellow orange, med-v coarse SAND w/some fine gravel, trace silt HCN = 0.4 ppm @ 12.5' Dk yellow orange-moderate yellow brown, coarse-v coarse SAND w/fine gravel, some mica, trace silt
24-26'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 1.2 ppm 0.5 ppm		Moderate yellow brown, coarse-v coarse SAND w/fine gravel, trace silt HCN = 0.8 ppm @ 16' Same as above, some dark yellow orange, some mica HCN = 0.3 ppm @ 16.5'
26-28'			14.2 ppm 19.2 ppm 5.0 ppm 45.2 ppm 103 ppm 294 ppm		Dk yellow brown, coarse-v coarse SAND w/fine-coarse gravel, tr silt HCN = 0.3 ppm @ 19' Dk yellow br-br, m-c SAND w/some mica, trace v coarse sand & silt HCN = 0.6 ppm @ 20.5'
28-30'			247 ppm 264 ppm 161 ppm		Mod brown, coarse-v coarse SAND w/fine gravel, some mica and staining HCN = 1.2 ppm @ 21' Dk yellow brown, coarse-medium SAND, w/v coarse sand & fine gravel, naphthalene-like odor, staining & sheen HCN = 1.3 ppm @ 21.5'
30-32'			196 ppm 189 ppm 259 ppm		Dk yellowish brown, med-coarse SAND w/trace fine gravel, sheen, odor
32-34'			485 ppm 782 ppm 1217 ppm 635 ppm		Dk yellowish brown, med-coarse SAND w/some v coarse sand, staining, odor
34-36'		18 51			Dk yellow brown, fine-coarse SAND w/some mica, naphthalene-like odor, staining, sheen, wet Same as above, medium-coarse, heavy staining HCN = 10.1 ppm @ 28.5' and 2.7 ppm @ 29'

Location: Hempstead		Site Id: HISB-07
Purpose: Soil Boring		Total Depth: 82.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'		32-36'	500 ppm 87.9 ppm 1999 ppm 1999 ppm 1999 ppm		Dk yellow orange, medium-coarse SAND w/some mica, naphthalene-like odor, wet Dk yellow orange, m-c SAND w/some mica & thinly bedded fine micaceous sand, wet Dk yellow orange, medium micaceous SAND w/fine gravel, wet HCN = 0.3 ppm @ 32' HCN = 0.5 ppm @ 32.5', HCN = 0.4 ppm @ 33' and HCN = 0.7 ppm @ 33.5'
36-40'		36-40'	257 ppm 292 ppm 431 ppm 299 ppm 397 ppm 32.3 ppm 12.3 ppm		Dk yellow orange, very coarse SAND, fine gravel, some coarse gravel, wet Dk yellow orange-gray orange, coarse-v coarse SAND w/f gravel, heavy staining and sheen Dk yellow orange, coarse SAND w/some mica
43-45'		43-45'	226 ppm 121 ppm 170 ppm 56.6 ppm		Pale-dusky yellow brown, coarse-v coarse SAND w/fine gravel, heavy staining, odor, sheen Dark orange, coarse-v coarse SAND, sheen, grayish-orange clay lens at 44.5'
48-50'		48-50'	84.8 ppm 84.7 ppm 100 ppm 83.4 ppm		Pale yellow br-gray orange, coarse SAND w/f gravel, naphthalene-like odor, staining, sheen Pale-dark yellow brown, medium-v coarse SAND w/some mica, odor, staining, sheen
53-55'		53-55'	67.5 ppm 93.4 ppm 3.7 ppm 4.3 ppm		Grayish orange, medium-coarse SAND w/some fine gravel and mica, zones of heavy staining, naphthalene-like odor
58-60'		58-60'	7.5 ppm 11.6 ppm 85.3 ppm		Dk yellowish brown, v coarse SAND, fine gravel, heavy staining, odor, sheen Yellowish gray, medium-coarse SAND, staining, sheen
60-62'		60-62'	12 ppm 11 ppm 11 ppm		Gray, fine-coarse SAND w/some fine gravel, naphthalene-like odor, intermittent staining, loose, wet
62-64'		62-64'	6 ppm 7.5 ppm 7.5 ppm		Brown, fine-medium SAND w/trace coarse sand and fine gravel, naphthalene-like odor, staining, loose, wet
64-66'		64-66'	5.3 ppm 13.8 ppm 18.8 ppm		Brown, fine-medium SAND w/trace coarse sand, naphthalene-like odor, zones of staining, loose, wet
66-68'		66-68'	25 ppm 20 ppm 21 ppm		Lt brown, fine-medium SAND w/trace coarse sand and coarse gravel, naphthalene-like odor, zones of dark brown staining, loose, wet
68-70'		68-70'	81 ppm 70 ppm 66 ppm		Brown, fine-medium SAND w/trace coarse sand and fine gravel, naphthalene-like odor, intermittent brown staining, medium dense, wet

Location: Hempstead		Site Id: HISB-07
Purpose: Soil Boring		Total Depth: 82.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
70		70-72'	60 ppm		Br, f-m SAND, w/shale/slate fragments, naphthalene-like odor, some br staining, loose, wet
72		72-74'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND, trace coarse gravel, naphthalene-like odor, loose, wet
74		74-76'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown-gray CLAY, tight, plastic, wet
76		76-78'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some silt, slight naphthalene-like odor, loose, wet
78		78-80'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, mottled CLAY, very tight, plastic, moist
80		80-82'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-med silty SAND w/trace c sand, medium dense, slight naphthalene-like odor, wet
			0.0 ppm 0.0 ppm 0.0 ppm		Brown, mottled CLAY w/some sand, soft, plastic
			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND, trace coarse sand, naphthalene-like odor, loose, wet
			0.0 ppm 0.0 ppm 0.0 ppm		Brown, CLAY, soft to semi-soft, mottled, plastic, naphthalene-like odor
			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-med SAND, trace coarse sand w/some silt, naphthalene-like odor, med dense, wet
					Base of boring - 82 ft.



Site Id: HISB-08

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/21/00 - 08/22/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 10-12', 18-20', 28-29', and 58-60'.

Elevation: 69.31'

Datum: Mean Sea Level

Logged By: J. Diamond

Drilling Method: Hollow Stem Auger

Contractor: Della Well & Pump

Borehole Dia.: 6.50in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
5		6-8'			Dusky yellow brown, silty coarse sandy FILL, bricks, concrete debris, NAPL, naphthalene-like odor
10		10-12'	740 ppm 550 ppm		Grayish black, fine-v coarse SAND w/fine gravel, saturated w/NAPL, naphthalene-like odor
		12-14'	1239 ppm 294 ppm		Same as above, coarse-v coarse
		14-16'	388 ppm 660 ppm		Same as above HCN = 1.0 ppm @ 14.5' HCN = 0.3 ppm @ 16'
15		16-18'	660 ppm 708 ppm		Grayish black, coarse SAND w/some fine gravel, heavy staining, saturated w/NAPL, naphthalene-like odor HCN = 1.0 ppm @ 16.5' and 0.2 ppm @ 18'
		18-20'	1056 ppm 431 ppm 603 ppm		Same as above, coarse-v coarse HCN = 0.4 ppm @ 18.5' and 0.5 ppm @ 19'
20		20-22'	735 ppm 466 ppm 431 ppm		Dk yellow br, med-v coarse SAND w/some f gravel, staining, sheen, naphthalene-like odor Dk yellow br, coarse-v coarse SAND w/fine-coarse gravel, staining, sheen, naphthalene-like odor
		22-24'	1169 ppm 1002 ppm 360 ppm		Dk yellow br-gray bk, coarse SAND w/f gravel, heavy staining, sheen, naphthalene-like odor Moderate-dk yellow brown, coarse-v coarse SAND, naphthalene-like odor, staining, sheen
		24-26'	819 ppm 579 ppm 379 ppm		Moderate-dk yellow brown, medium-v coarse SAND w/fine gravel, naphthalene-like odor, sheen, staining HCN = 8.7 ppm @ 24.5'
25		26-28'	1591 ppm 579 ppm 844 ppm		Same as above
		28-30'	301 ppm 77 ppm 0.0 ppm		Dark yellow orange, medium-coarse SAND w/some mica, sheen, staining, slight naphthalene-like odor, wet

Location: Hempstead		Site Id: HISB-08	
Purpose: Soil Boring		Total Depth: 60.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 6.50in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	6.7 ppm 0.0 ppm		Dk yellow orange, m-c SAND w/some mica, sheen, staining, sl naphthalene-like odor, wet
32-34'		32-34'	7.6 ppm 174 ppm 0.0 ppm		Mod yellow brown, medium-v coarse SAND w/f gravel, slight naphthalene-like odor, sheen Mod yellow brown-dk yellow orange, medium-coarse SAND w/some mica, wet
34-36'		34-36'	0.0 ppm 437 ppm 183 ppm		Mod yellow brown, coarse-v coarse SAND w/f gravel, some mica, sl naphthalene-like odor Dark yellow orange-light brown, coarse SAND w/fine gravel, wet
36-38'		36-38'	51.9 ppm 15.7 ppm 0.0 ppm		Dark yellow orange, coarse-very coarse SAND w/fine gravel
38-40'		38-40'	0.0 ppm 42.6 ppm 39.7 ppm		Dark yellow orange, medium-very coarse SAND w/fine-coarse gravel, some mica, wet
40-42'		40-42'	6.3 ppm 5.2 ppm 11.9 ppm 27.5 ppm		Same as above
42-44'		42-44'	0.0 ppm 6.7 ppm 9.2 ppm 0.0 ppm		Same as above Dk yellow orange-mod yellowish brown, coarse-medium SAND, trace f gravel, wet
44-46'		44-46'	0.0 ppm 2.6 ppm 10.8 ppm		Dk yellow orange, coarse-very coarse SAND w/fine gravel, wet
46-48'		46-48'	0.0 ppm 0.0 ppm 17.1 ppm 15.8 ppm		Same as above
48-50'		48-50'	3.9 ppm 38.3 ppm 18.1 ppm		Dark yellow orange, coarse-very coarse SAND w/fine gravel, wet Dark yellow orange, medium SAND w/mica
50-52'		50-52'	8.2 ppm 0.0 ppm 0.0 ppm		Dark yellow orange-lt brown, coarse-v coarse SAND w/fine gravel, some mica, wet
52-54'		52-54'	20.8 ppm 13.5 ppm 0.0 ppm		Dk yellow-orange to gray orange, medium-v coarse SAND w/fine gravel, micaceous, wet Dk yellow orange, coarse-v coarse SAND w/some mica and fine gravel, wet
54-56'		54-56'	0.0 ppm 34.3 ppm 0.0 ppm		Dk yellow orange, coarse-medium SAND, w/some mica and fine gravel, wet
56-58'		56-58'	3.9 ppm 0.0 ppm 0.0 ppm		Same as above
58-60'		58-60'	0.0 ppm 0.0 ppm 2.9 ppm		Dark yellow orange, coarse-v coarse SAND w/some fine gravel, wet
60					Base of boring - 60 ft.



Site Id: HISB-09

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/16/00 - 08/16/00

Total Depth: 63.00'

Remarks: Samples selected for analysis at 0-2', 12-14', 26-28', and 61-63'.

Elevation: 71.68'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0 0.0 0.0	ppm ppm ppm	o o o	Lt brownish-orange, medium-coarse SAND w/fine gravel, moist, loose (black staining 1-1.4')
4-8'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm	o o o o o	Lt brownish-orange, medium-coarse SAND w/trace fine gravel, loose, moist
8-12'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm	o o o o o	Lt brownish-orange, medium-coarse SAND w/fine gravel, loose, dry
12-16'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm	o o o o o	Lt brownish-orange, medium-coarse SAND w/fine gravel, black staining, loose, dry Brown, medium-coarse SAND, black banding at 12.5 and 13', loose, dry Yellowish-orange-brown, medium-coarse SAND Orange-brown, medium-coarse SAND w/fine gravel
16-20'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm	o o o o o	Lt brownish-orange, medium-coarse SAND w/trace fine gravel, black banding, loose, dry
20-24'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm	o o o o o	Lt brownish-orange, medium-coarse SAND w/trace fine gravel, minor black banding at 22.8', loose, dry
24-28'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm	o o o o o	Tan, fine SAND, loose, dry Tan-orange, medium-fine-coarse SAND, loose, dry
28-32'		0.0 0.0 0.0 0.0	ppm ppm ppm ppm	o o o o	Yellowish-orange brown, medium-coarse SAND w/f gravel, loose, moist Tan-brown, medium-coarse SAND w/fine gravel, loose, moist

Location: Hempstead	Site Id: HISB-09
Purpose: Soil Boring	Total Depth: 63.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-32	0.0		0.0 ppm		Lt brownish-orange, fine SAND, loose, wet
32-36	0.0	32-36'	0.0 ppm		Brownish-orange, medium SAND, loose, wet
36-38	0.0	36-38'	0.0 ppm		Lt brown, fine-medium SAND, loose, wet
38-40	0.0	38-40'	0.0 ppm		Lt brown, fine-medium SAND w/fine gravel, loose, wet
40-42	0.0	40-42'	0.0 ppm		Lt brown, medium-coarse SAND, fine gravel at 39.5', loose, wet
42-47	0.0		0.0 ppm		Lt brownish-orange, medium-coarse SAND w/some very fine gravel, loose, wet
47-49	0.0	47-49'	0.0 ppm		Lt brownish-orange, medium-coarse SAND w/trace fine gravel, loose, wet
49-54	0.0		0.0 ppm		
54-56	0.0	54-56'	0.0 ppm		Lt brown, medium-fine SAND, loose, wet
56-61	0.0	61-65'	0.0 ppm		Lt brown-yellow-orange, medium-coarse SAND w/trace fine gravel, loose, wet
61-63	0.0		0.0 ppm		Base of boring - 63 ft.



Site Id: HISB-10

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/25/00 - 07/25/00

Elevation: 71.14'

Total Depth: 60.00'

Datum: Mean Sea Level

Remarks: Samples selected for analysis at 8-10', 18-20', 24-26', and 58-60'.

Logged By: J. Diamond

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			30.2 ppm 10.3 ppm 3.4 ppm		FILL, asphalt, base material to dk yellow br-lt br, silty CLAY w/fine-coarse gravel Yellowish brown-dk yellowish orange, coarse-v coarse SAND w/fine-coarse gravel HCN = 0.5 ppm @ 1.5'
4-8'			18.4 ppm 14.7 ppm 7.7 ppm 15.2 ppm 0.0 ppm 8.1 ppm 0.0 ppm		Moderate yellow brown-lt brown-dk yellow orange, coarse-v coarse SAND w/fine-coarse gravel, trace mica
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.3 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown, coarse-v coarse SAND w/fine-coarse gravel Dk yellowish orange, medium-v coarse SAND w/fine-coarse gravel, red-brown banding
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.9 ppm 0.0 ppm 0.0 ppm		Dk yellow orange-mod yellow br, med-fine SAND w/some mica, trace gravel and silt Moderate-dark yellowish brown, coarse-very coarse SAND w/fine-coarse gravel Dark yellowish orange-light brown-grayish orange, medium-very coarse SAND, w/fine-coarse gravel, some mica
16-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light-dark yellow brown, medium-very coarse SAND w/fine-coarse gravel, trace silt Gray orange-dk yellowish orange-mod brown, med-v coarse SAND w/f gravel, some mica
20-24'			0.0 ppm 0.0 ppm 0.0 ppm 0.5 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light/moderate brown-dark yellowish orange, medium-very coarse SAND w/fine-coarse gravel, trace silt and mica
24-28'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange-dark yellowish orange-moderate brown, coarse-v coarse SAND w/fine-coarse gravel, zone of staining from 25.9-26' Grayish orange, medium-very coarse SAND w/some fine gravel
28-32'			1.2 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange-mod brown, coarse-v coarse SAND w/fine-med gravel, trace mica Grayish orange, medium-coarse SAND w/some fine gravel, wet

Location: Hempstead		Site Id: HISB-10
Purpose: Soil Boring		Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'		32-36'	0.0 ppm 0.0 ppm 0.0 ppm 79.4 ppm		Dark yellowish orange, coarse-very coarse SAND w/fine-coarse gravel, wet Moderate yellowish brown-lt brown, coarse-very coarse SAND w/fine gravel, wet Moderate yellowish brown-grayish orange, medium-coarse SAND w/some mica, interbedded with pale orange coarse sand, wet
36-40'		36-40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown-dark yellowish orange, medium-coarse SAND w/some mica, trace silt, wet HCN = 0.3 ppm @ 36.5'
43-45'		43-45'	0.0 ppm 0.0 ppm 0.0 ppm		Mod yellowish brown-dk yellowish orange, v coarse SAND w/fine-coarse gravel, wet Moderate brown, medium-coarse SAND w/fine gravel, wet
48-50'		48-50'	0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown-dark yellowish orange, medium-very coarse SAND w/some fine gravel HCN = 0.7 ppm @ 48.5' and 0.4 ppm @ 49'
53-55'		53-55'	0.0 ppm 0.0 ppm 0.0 ppm		Mod yellowish brown-light brown, coarse-v coarse SAND w/fine-coarse gravel, wet Moderate yellowish brown, medium-coarse SAND w/some mica HCN = 0.3 ppm @ 53', 0.6 ppm @ 53.5' and 0.5 ppm @ 54'
58-60'		58-60'	0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange, medium-very coarse SAND w/fine-coarse gravel, some mica, wet HCN = 0.3 ppm @ 58.5' Base of boring - 60 ft.



Site Id: HISB-11

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/27/00 - 08/22/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 4-6', 16-17', 24-26', and 58-60'.

Elevation: 71.16'

Datum: Mean Sea Level

Logged By: Diamond/Schofer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm 0.0 ppm 63.1 ppm 350 ppm 1248 ppm		Blue stone FILL, TOPSOIL to gray bk, silty sandy FILL, clinker & coal fragments Mod brown, coarse-v coarse sandy FILL w/fine-coarse gravel
4-8'			1845 ppm 280 ppm 1377 ppm 967 ppm 684 ppm		Grayish black, silty FILL, coal fragments and ash to silty CLAY at 2.2' Dusky yellow brown, silty CLAY w/some mica, trace silt and fine gravel, odor Moderate brown, medium-fine SAND, odor HCN = 0.3 ppm @ 4' and 4.5' and 0.4 ppm @ 5.5'
8-12'					Grayish brown-dusky yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, staining, odor
12-16'			763 ppm 1478 ppm 489 ppm 40 ppm		Moderate brown-red brown, coarse-v coarse SAND w/f gravel, staining, odor Moderate brown, medium-very coarse SAND, NAPL, staining, odor Grayish orange-dk yellowish orange, medium-v coarse SAND w/fine-coarse gravel
16-20'			15.3 ppm 249 ppm 18.1 ppm		Pale orange, medium-fine SAND w/some fine gravel Dark yellowish orange, medium-v coarse SAND w/fine gravel
20-22'			0.4 ppm 0.6 ppm 1.7 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, brown staining and naphthalene-like odor at 21.25', medium dense, moist
22-24'			1.8 ppm 1.9 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, medium dense, moist HCN = 0.3 ppm @ 24' and 0.6 ppm @ 24.5'
24-26'			60 ppm 28 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, slight staining, naphthalene-like odor, medium dense, moist
26-28'			45 ppm 38 ppm		Orange-brown, fine-coarse SAND, trace fine gravel, slight naphthalene-like odor
28-30'			25 ppm 0.0 ppm		Orange-brown, medium-coarse SAND w/fine gravel, naphthalene-like odor, medium dense, moist

Location: Hempstead	Site Id: HISB-11
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32		0.0 ppm	0.0 ppm		Brown, coarse SAND w/fine gravel, medium dense, wet at 31'
32-34		0.0 ppm	0.0 ppm		Brown, medium-coarse SAND w/fine gravel, medium dense, wet
34-36		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/f gravel, coal tar lens at 35', naphthalene-like odor, medium dense, wet
36-38		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/fine gravel, medium dense, wet
38-40		0.0 ppm	0.0 ppm		Same as above
40-42		0.0 ppm	0.0 ppm		Same as above, trace fine gravel
42-44		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/trace fine gravel, fine sandy silt lens at 43.25', medium dense, wet
44-46		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/trace coarse gravel, medium dense, wet
46-48		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/some coarse gravel, trace fine gravel, medium dense, wet
48-50		0.0 ppm	0.0 ppm		Brown, fine-medium SAND w/trace coarse sand, medium dense, wet
50-52		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/trace fine gravel, medium dense, wet
52-54		0.0 ppm	0.0 ppm		Same as above, no gravel
54-56		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/trace fine gravel, medium dense, wet
56-58		0.0 ppm	0.0 ppm		Brown, fine-medium SAND w/some coarse sand, medium dense, wet
58-60		0.0 ppm	0.0 ppm		Brown, fine-coarse SAND w/fine gravel, trace coarse gravel, medium dense
60					Base of boring - 60 ft.



Site Id: HISB-12

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/14/00 - 08/28/00

Total Depth: 86.00'

Remarks: Samples selected for analysis at 9.5-11', 18-20', 26-28', and 84-86'.

Elevation: 69.54'

Datum: Mean Sea Level

Logged By: Diamond/Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			3.8 ppm 6.9 ppm 2.8 ppm		Bluestone FILL, TOPSOIL to brown-black, fine-v coarse silty sandy FILL w/f-c gravel Grayish orange, fine sandy FILL w/concrete fragments
4-8'			0.0 ppm		Grayish black, medium-very coarse silty SAND w/fine gravel, odor Moderate-dark yellow brown, medium-very coarse silty SAND w/fine gravel, some clay, slight odor
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 2.6 ppm		Moderate-dark yellowish brown, medium-very coarse SAND w/fine gravel, trace silt Mod brown-dark yellowish orange, coarse-very coarse SAND w/fine gravel, trace silt
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate-dark yellowish brown, coarse-very coarse SAND w/fine gravel, trace silt Dark yellowish orange, coarse-very coarse SAND w/fine-coarse gravel, trace silt
16-20'			26.7 ppm 45.2 ppm 45.5 ppm 163 ppm 115 ppm 199 ppm		Dk yellowish brown, coarse-v coarse SAND w/fine gravel, trace silt, slight odor Same as above, no silt or odor Dk yellowish orange, medium-fine SAND w/some silt and mica, odor Moderate brown, medium-very coarse SAND w/some fine gravel, trace silt
20-24'			94.0 ppm 57.0 ppm 20.4 ppm 10.7 ppm 13.2 ppm 13.1 ppm		Moderate brown, coarse-medium SAND w/very coarse sand and fine gravel Moderate brown-dark yellowish orange, medium-very coarse SAND w/some fine gravel, trace silt
24-28'			87.5 ppm 39.2 ppm 5.9 ppm 8.5 ppm 20.3 ppm 46.4 ppm		Dark yellowish brown, fine-very coarse clayey SAND w/fine gravel Dark yellowish orange-light brown, medium-very coarse SAND w/some fine gravel, trace silt
28-32'			70.3 ppm 420 ppm 526 ppm		Grayish brown-dark yellowish orange, medium-very coarse SAND, little fine gravel, NAPL staining, naphthalene-like odor

Location: Hempstead	Site Id: HISB-12
Purpose: Soil Boring	Total Depth: 86.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'			39.0 ppm 142 ppm		Yellowish br, silty f SAND, micaceous, heavy staining, wet HCN = 0.7 ppm @ 30'
32-34'			14.0 ppm 42.6 ppm 75.4 ppm		Yellowish orange, med-fine SAND w/coarse-v coarse sand HCN = 1.0 ppm @ 30.5'
34-36'			2.7 ppm 0.0 ppm 0.0 ppm		Pale yellowish brown/orange, medium-coarse SAND w/some mica and v coarse sand Dark yellowish orange, medium-coarse SAND w/some fine gravel, wet
36-38'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark yellowish orange, medium-very coarse SAND w/little fine gravel Moderate yellowish brown, fine SAND, micaceous, some silt w/coarse sand-fine gravel
38-40'			0.0 ppm		Moderate yellowish brown, very coarse SAND, fine gravel
40-42'					No recovery
42-44'			21 ppm 25 ppm		Orange-brown, fine-medium SAND w/some coarse sand, trace fine gravel, naphthalene-like odor, loose, wet HCN = 0.3 ppm @ 42' and 0.5 @ 42.5'
44-46'					No recovery
46-48'			51 ppm 19 ppm		Orange-brown, fine-coarse SAND w/fine gravel, slight naphthalene-like odor, loose, wet
48-50'			99 ppm 32 ppm 55 ppm		Orange-brown, fine-medium SAND w/some coarse sand and fine gravel, slight naphthalene-like odor, loose, wet
50-52'			55 ppm 27 ppm 25 ppm 13 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, slight naphthalene-like odor, loose, wet
52-54'			8 ppm 4 ppm 0.4 ppm		Same as above
54-56'			360 ppm 180 ppm 71 ppm 120 ppm		Orange-brown, fine-coarse SAND w/some fine-coarse gravel, naphthalene-like odor, medium dense, wet
56-58'			12 ppm 5.3 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, slight naphthalene-like odor, medium dense, wet
58-60'			4.5 ppm 1 ppm		Orange-brown, fine-coarse SAND w/fine gravel, naphthalene-like odor, medium dense, wet
60-62'			5.4 ppm 75 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, naphthalene-like odor, medium dense HCN = 0.4 ppm @ 60' and 0.3 ppm @ 61'
62-64'			25 ppm 39 ppm 142 ppm		Br, fine-medium SAND w/some c sand and f gravel, sl br staining, naphthalene-like odor, gravel lens at 63' HCN = 0.2 ppm @ 62.5' and 0.5 ppm @ 63'
64-66'			20 ppm 20 ppm 58 ppm		Tan-orange-br, fine-med SAND w/some c sand, naphthalene-like odor, med dense, wet Same as above, slight staining and sheen HCN = 0.2 ppm @ 64' and 64.5'
66-68'			25 ppm 22 ppm 13 ppm		Orange-brown, fine-medium SAND w/some silt, naphthalene-like odor, medium dense HCN = 0.4 ppm @ 65'
68-70'			25 ppm		Orange-brown, fine SAND w/some silt, naphthalene-like odor, medium dense, wet

Location: Hempstead	Site Id: HISB-12
Purpose: Soil Boring	Total Depth: 86.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
70-72'		70-72'	16 ppm		Brown, fine-medium SAND, slight naphthalene-like odor, medium dense, wet
72-74'		72-74'	16 ppm 17 ppm 22 ppm		Brown, fine-medium SAND, naphthalene-like odor, medium dense, wet
74-76'		74-76'	25 ppm 23 ppm		Lt brown, fine-medium SAND, slight naphthalene-like odor, sheen, medium dense
76-78'		76-78'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some silt, slight naphthalene-like odor, med dense, wet
78-80'		78-80'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine-medium SAND, medium dense
80-82'		80-82'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND, trace silt, medium dense, wet
82-84'		82-84'	36 ppm 45 ppm 21 ppm		Brown, fine SAND w/some silt, naphthalene-like odor, medium dense, wet
84-86'		84-86'	61 ppm 53 ppm 65 ppm		Brown-orange brown, fine SAND w/some silt, naphthalene-like odor, med dense, wet
					Base of boring - 86 ft.



Site Id: HISB-13

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/31/00 - 08/01/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 8-10', 16-18', 24-26', and 58-60'.

Elevation: 71.58'

Datum: Mean Sea Level

Logged By: J. Diamond

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			10.5 ppm 110 ppm 1.6 ppm 6.6 ppm 0.6 ppm 51.5 ppm		Bluestone, FILL, TOPSOIL, gravel, black coal tar, naphthalene-like odor
4-8'			1.1 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark-moderate yellowish brown, CLAY, trace silt and f gravel, soft Dusky yellowish brown-dark gray, CLAY w/little silt, soft, odor Dark, yellow brown, CLAY, soft, trace silt
8-12'			0.0 ppm 2.40 ppm 9.70 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Grayish brown-moderate yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, trace silt Dark yellowish brown, medium-very coarse silty SAND Dark-moderate yellowish brown, soft CLAY w/fine gravel, black silt, sl odor Dark yellowish orange-moderate yellowish brown, coarse-very coarse SAND w/fine-coarse gravel
12-16'			0.2 ppm 0.0 ppm 1.8 ppm 0.7 ppm 0.0 ppm 0.1 ppm 0.0 ppm		Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, trace silt Dark yellowish brown, medium-very coarse SAND w/fine gravel, some silt Dark yellowish orange-grayish orange-lt brown, coarse-very coarse SAND w/fine gravel
16-20'			1.1 ppm 0.9 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above Dark yellowish orange-light brown, medium-very coarse SAND, trace silt
20-24'			1.6 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark yellowish orange-moderate brown, coarse-very coarse SAND w/fine gravel
24-28'			3.0 ppm 0.4 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark yellowish orange-grayish orange-moderate brown, medium-very coarse SAND w/fine-coarse gravel, trace silt
28-32'			2.2 ppm 0.6 ppm 0.0 ppm 0.0 ppm		Same as above, dark yellowish orange/brown and light brown, some mica Moderate-light brown, medium-coarse SAND, some mica, wet

Location: Hempstead		Site Id: HISB-13	
Purpose: Soil Boring		Total Depth: 60.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32		32-36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate-light brown, medium-coarse SAND, some mica, wet Moderate brown-dark yellowish orange, very coarse-coarse SAND w/fine-medium gravel, wet
36		36-40'	0.0 ppm 0.0 ppm 0.0 ppm		Grayish yellow-dark and moderate yellowish brown, medium SAND w/some very coarse sand and fine gravel, micaceous
43		43-45'	0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown, med-coarse SAND w/some very coarse sand, wet Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet
48		48-50'	0.0 ppm 0.0 ppm 0.0 ppm		Moderate-dark yellowish brown, med-coarse SAND w/f gravel, some mica Pale yellowish brown, coarse-very coarse SAND w/fine-coarse gravel, wet
53		53-55'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
58		58-60'	0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown, medium-coarse SAND w/some fine gravel and mica Base of boring - 60 ft.



Site Id: HISB-14
Location: Hempstead
Purpose: Soil Boring
Date(s): 10/26/00 - 11/01/00
Total Depth: 152.00'
Remarks: Samples selected for analysis at 6-7', 16-18', 28-30', 56-58', 98-100', and 122-124'.

Elevation: 68.82'
Datum: Mean Sea Level
Logged By: J. Schafer
Drilling Method: Hollow Stem Auger
Contractor: Delta Well & Pump
Borehole Dia.: 10.25in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'					Posthole excavated - brown silty FILL w/brick
4-6'			0.0 ppm		FILL, crushed red brick, some cement, blocky
6-8'			0.0 ppm		Brown, silty FILL w/some fine gravel, red brick
8-10'			0.0 ppm		Same as above, some wood fibers
10-12'			87 ppm 111 ppm		Brown, silty FILL, some brick, black vesicular slag, cement, hydrocarbon-like odor, brown-black staining, dry-moist
12-14'			114 ppm		Same as above
14-16'			236 ppm		Brown, fine-coarse sandy FILL, wood, some fine gravel, hydrocarbon-like odor, loose, moist
16-18'			446 ppm 208 ppm		Brown, fine-coarse SAND, hydrocarbon-like odor, intermittent black staining, loose, moist
18-20'			130 ppm		Brown, fine-coarse SAND, hydrocarbon-like odor, black staining, loose, moist
20-22'			300 ppm 281 ppm 443 ppm		Same as above
22-24'			193 ppm 221 ppm 178 ppm		Brown, fine-medium SAND w/some coarse sand-fine gravel, hydrocarbon-like odor, slight black staining
24-26'			254 ppm 283 ppm 201 ppm		Black, fine-medium SAND w/trace fine gravel, hydrocarbon-like odor, stained
26-28'			301 ppm 261 ppm		Light brown, fine-medium SAND, hydrocarbon-like odor, some black staining, loose, moist
28-30'			451 ppm 300 ppm 291 ppm 196 ppm		Brown, f-m SAND, NAPL saturated, hydrocarbon-like odor, stained, loose, moist
					Brown, very fine SAND, intermittent staining, hydrocarbon-like odor, med dense

Location: Hempstead		Site Id: HISB-14
Purpose: Soil Boring		Total Depth: 152.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 10.25in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'			53 ppm 44 ppm		Brown, v fine-fine SAND w/f gravel, hydrocarbon-like odor, sl br staining,
32-34'			34 ppm		Light brown, fine-medium SAND, hydrocarbon-like odor, loose, wet
34-36'			15 ppm		Light brown, fine-coarse SAND w/fine-coarse gravel, slight hydrocarbon-like odor, loose, wet
36-38'			15 ppm 10 ppm 8 ppm		Orange-brown, gravelly fine-coarse SAND w/fine-coarse gravel, medium dense, hydrocarbon-like odor, wet
38-40'			8 ppm 0.9 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, trace coarse gravel, medium dense, hydrocarbon-like odor, wet
40-42'			18 ppm 6 ppm 3 ppm		Same as above
42-44'			6 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet
44-46'			0.0 ppm		Same as above
46-48'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/some coarse sand and fine gravel, loose, wet
48-50'			0.0 ppm 0.0 ppm 0.0 ppm		Same as above
50-52'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/trace fine gravel, loose, wet
52-54'			0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/trace fine gravel, loose, wet
54-56'			0.0 ppm 0.0 ppm		Same as above
56-58'			45 ppm 57 ppm 82 ppm 289 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, hydrocarbon-like odor, dark brown NAPL from 57.25-58', loose, wet
58-60'			18 ppm 85 ppm 63 ppm 17 ppm		Orange-brown to gray, fine-coarse SAND w/some fine gravel, loose-medium dense, hydrocarbon-like odor, intermittent to slight staining, sheen, wet
60-62'			93 ppm 51 ppm 8 ppm		Brown-gray, fine-medium SAND, naphthalene-like odor, slight staining and sheen, loose, wet
62-64'			10 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Gray, fine-medium SAND, loose, wet
64-66'			0.0 ppm 1.5 ppm 2.4 ppm		Tan, fine SAND, medium dense w/silty sand lens at 65', wet
66-68'			0.0 ppm 0.0 ppm		Yellow-brown, silty fine SAND, loose, wet
68-70'			12.6 ppm 2.5 ppm 3.1 ppm 141 ppm		Brown, fine SAND w/yellow silty sand, loose-medium dense, naphthalene-like odor, black NAPL at 69.75', sheen, wet

Location: Hempstead		Site Id: HISB-14
Purpose: Soil Boring		Total Depth: 152.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 10.25in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
70-72'			190 ppm 63 ppm		Br-yellow, f SAND, naphthalene-like odor, br staining @ 71.25', sheen, loose
72-74'			16 ppm 6 ppm 3 ppm 3 ppm		Brown-yellow-orange, very fine-fine SAND w/some silt, loose-medium dense, slight naphthalene-like odor, wet
74-76'			90 ppm 43 ppm		Orange-brown, very fine-fine SAND, medium dense, naphthalene-like odor, slight brown staining, sheen, wet
76-78'			1.7 ppm 5 ppm 10 ppm		Orange-brown, very fine-fine SAND, slight naphthalene-like odor and sheen, loose, wet
78-80'			7 ppm		Same as above, no sheen
80-82'			5 ppm 9 ppm		Orange-brown, very fine-fine SAND w/red and black banding, slight naphthalene-like odor, loose, wet
82-84'			18 ppm 9 ppm		Brown, very fine-fine SAND w/some silt, medium dense, slight naphthalene-like odor, wet
84-86'			0.3 ppm		Black-red-gray, very fine-fine SAND, orange-brown banding, medium dense, wet
86-88'			0.0 ppm 0.0 ppm		Same as above
88-90'			0.0 ppm 0.0 ppm 0.0 ppm		Same as above, no banding
90-92'			0.0 ppm 0.0 ppm 0.0 ppm		Same as above
92-94'			0.9 ppm 0.5 ppm 0.0 ppm		Same as above
94-96'			0.0 ppm 0.0 ppm 3.3 ppm		Orange-brown, very fine-fine SAND w/some silt, black-gray banding, loose, wet
96-98'			0.0 ppm 0.0 ppm 0.0 ppm		Same as above
98-100'			0.0 ppm 0.0 ppm 0.0 ppm 125 ppm		Same as above, 0.2' band of NAPL at 99.75', naphthalene-like odor
100-102'					No recovery
102-104'			122 ppm 8 ppm 5 ppm 4 ppm		Same as above (94-96'), sl band of staining at 102.5', naphthalene-like odor
104-106'			72 ppm 9 ppm 6 ppm		Tan-orange-brown, very fine-fine SAND w/some silt, gray-dark brown banding, naphthalene-like odor, brown NAPL lens at 104.5', wet
106-108'			0.8 ppm		Brown-orange brown, very fine-fine SAND w/some silt, loose, wet
108-110'			0.0 ppm 0.0 ppm 0.0 ppm 1.5 ppm		Brown-red, very fine-fine SAND w/red to brown to black banding, loose, wet

Location: Hempstead		Site Id: HISB-14	
Purpose: Soil Boring		Total Depth: 152.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 10.25in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
110		110-112'	0.0 ppm		Brown-red, very fine-fine SAND w/some silt, medium dense, wet
112		112-114'	0.0 ppm		Same as above, trace silt and mica
114		114-116'	0.0 ppm 1.2 ppm		Brown, very fine-fine SAND w/trace silt and mica, medium dense, wet
116		116-118'	0.0 ppm 0.0 ppm		Orange-brown to red-brown to brown, very fine-fine SAND, medium dense, wet
118		118-120'	0.0 ppm 0.0 ppm		Brown-red, very fine-fine SAND w/some mica, medium dense, wet
120		120-122'	0.0 ppm		Yellow brown, silty very fine SAND, medium dense, wet
122		122-124'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
124		124-126'	0.0 ppm 0.0 ppm 0.0 ppm		Black, CLAY, micro gray v fine sand lenses, soft, moderately plastic, moist
126		126-128'	0.0 ppm		Same as above
128		128-130'	0.0 ppm 0.0 ppm 0.0 ppm		Gray, v fine sandy SILT, soft, nonplastic, brown-black-gray banding, moist
130		130-132'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, .25' black clay layer at 128'
132		132-134'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, no clay
134		134-136'	0.0 ppm 0.0 ppm 0.0 ppm		Gray-brown, CLAY w/some silt, soft, plastic
136		136-138'	0.0 ppm 0.0 ppm 0.0 ppm		Gray, sandy SILT w/v fine sand, soft, nonplastic, lt brown-bk bands, moist
138		138-140'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty CLAY, soft, semiplastic, moist
140		140-142'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, SILT w/some very fine sand, soft, slightly plastic, moist
142		142-144'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
144		144-146'	0.0 ppm 0.0 ppm 0.0 ppm		Brown-gray, sandy SILT w/very fine sand, soft, nonplastic, liquidy
146		146-148'	0.0 ppm 0.0 ppm		Brown-gray, sandy SILT w/very fine sand, some clay, soft, nonplastic, moist
148		148-150'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, sandy SILT, soft, slightly plastic, liquid
150		148-150'	0.0 ppm 0.0 ppm		Brown-gray, sandy SILT, soft, slightly plastic, wet
					Same as above
					Brown-gray, very fine-fine SAND w/some silt, medium dense, wet

Location: Hempstead		Site Id: HISB-14	
Purpose: Soil Boring		Total Depth: 152.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 10.25in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
150		150 - 152	0.0 ppm 0.0 ppm 0.0 ppm		Brown-gray, very fine-fine SAND w/some silt, medium dense, wet Base of boring - 152 ft.
160					
165					
170					
175					
180					
185					



Site Id: HISB-15

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/27/00 - 08/02/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 4-6', 16-18', 28.5-30', and 58-60'.

Elevation: 70.32'

Datum: Mean Sea Level

Logged By: Diamond/Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'	Black	0-4'	12 ppm 10 ppm 8.5 ppm 7.5 ppm 100 ppm		Brown, silty FILL w/fine-coarse gravel, vesicular black slag, crushed rock, heavy naphthalene-like odor, wet
4-8'	Black	4-8'	330 ppm 450 ppm 450 ppm 840 ppm		Brown, FILL w/stained fine-coarse sand, some fine gravel, vesicular slag, coal, loose, wet HCN = 0.4 ppm @ 4.5' and 5.0' HCN = 0.3 ppm @ 5.5'
8-12'	Black	8-12'	150 ppm 450 ppm 500 ppm 550 ppm 425 ppm 350 ppm 270 ppm 165 ppm	Diagonal lines	Orange-brown, fine-coarse SAND w/some f gravel, naphthalene-like odor, intermittent black staining, loose, moist HCN = 0.3 ppm @ 9' and 0.4 ppm @ 9.5'
12-16'	Black	12-16'	350 ppm 270 ppm 165 ppm 350 ppm 425 ppm 450 ppm 410 ppm	Diagonal lines	Black-brown, fine-coarse SAND w/f gravel, naphthalene-like odor, loose, moist HCN = 0.5 ppm @ 10', 0.4 ppm @ 10.5' and 11' and 0.3 ppm at 11.5'
16-20'	Black	16-20'	650 ppm 605 ppm 630 ppm 450 ppm	Diagonal lines	Brown, fine-coarse SAND w/f gravel, staining, heavy hydrocarbon-like odor, loose, moist HCN = 0.3 ppm @ 16' and 0.7 ppm @ 16.5' HCN = 0.9 ppm @ 17' and 1.2 ppm @ 17.5'
20-24'	Black	20-24'	500 ppm 430 ppm 395 ppm 285 ppm	Diagonal lines	Orange-brown, fine-coarse SAND w/fine-coarse gravel, heavy naphthalene-like odor, intermittent staining, loose, moist HCN = 0.2 ppm @ 20' HCN = 0.3 ppm @ 20.5', 21' and 21.5'
24-26'	Black	24-26'	408 ppm 346 ppm 359 ppm	Diagonal lines	Mod-dk yellowish brown, med-v coarse SAND w/fine-coarse gravel, staining, odor Moderate yellowish brown, fine-very coarse SAND, trace silt, staining, odor
26-28'	Black	26-28'	248 ppm 452 ppm 340 ppm	Diagonal lines	Mod-dk yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, naphthalene-like odor, NAPL staining HCN = 0.7 ppm @ 26.5' and 0.3 ppm @ 27' and 28'
28-60'	Black	28-60'	244 ppm 290 ppm 263 ppm 219 ppm	Diagonal lines	Moderate yellowish brown-dark yellowish orange, fine-coarse SAND w/fine gravel, naphthalene-like odor, NAPL staining

Location: Hempstead	Site Id: HISB-15
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	342 ppm 114 ppm		Mod-dk yellowish br, m-f SAND, micaceous, heavy staining, naphthalene-like odor, wet
32-34'		32-34'	0.0 ppm 1.5 ppm 3.8 ppm		Pale yellowish brown-dark yellowish orange, medium-coarse SAND w/some mica, wet Moderate yellowish brown, fine SAND w/some silt, micaceous
34-36'		34-36'	0.0 ppm 0.0 ppm 2.0 ppm		Grayish orange-moderate yellowish brown, medium-coarse SAND w/fine gravel, some mica
36-38'		36-38'	0.0 ppm		Pale yellow brown-dark yellowish orange, very coarse-medium SAND w/fine gravel, some mica
38-40'		38-40'	0.0 ppm 10.8 ppm 11.8 ppm		Moderate yellowish brown, medium-coarse SAND w/fine gravel, wet Moderate yellowish brown, fine-coarse GRAVEL w/some coarse-very coarse sand
43-45'		43-45'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown, medium-very coarse SAND w/some fine gravel, wet Grayish orange, medium-very coarse SAND w/some fine gravel, wet
48-50'		48-50'	0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown, medium-coarse SAND w/some fine gravel, wet
53-55'		53-55'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellowish brown-grayish yellow, coarse-very coarse SAND w/some fine gravel, staining at 53.7', trace mica, wet HCN = 0.2 ppm @ 54'
58-60'		58-60'	24.7 ppm 32.1 ppm 5.0 ppm		Moderate yellowish brown, medium-very coarse SAND w/some fine gravel, sheen, slight naphthalene-like odor, staining
					Base of boring - 60 ft.



Site Id: HISB-16

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/20/00 - 08/24/00

Total Depth: 70.00'

Remarks: Samples selected for analysis at 4.5-6', 18-20', 24-26', 58-60', and 68-70'.

Elevation: 71.30'

Datum: Mean Sea Level

Logged By: Diamond/Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0 ppm 14.8 ppm 39.4 ppm 39.0 ppm			FILL, asphalt, concrete, brick fragments, dk gray, med-v coarse sand, f gravel, tr silt Dark-dusky yellowish brown, medium-coarse SAND w/very coarse sand & fine gravel, slight odor, dry HCN = 0.3 ppm @ 2'
4-8'		44.0 ppm 49.0 ppm 11.9 ppm 23.9 ppm			Moderate-dusky yellowish brown, medium-very coarse SAND w/fine-coarse gravel, some silt, odor HCN = 0.3 ppm @ 4' and 5' HCN = 0.4 ppm @ 8'
8-12'		14.1 ppm 51.4 ppm 50.3 ppm 139 ppm 159 ppm 869 ppm 77.6 ppm			Dusky yellowish brown, medium-coarse SAND w/silt and f gravel, some mica Grayish orange-grayish black, medium-very coarse SAND w/fine-coarse gravel, some mica, odor HCN = 0.3 ppm @ 8.5' and 10.5'
12-16'		60.1 ppm 24.7 ppm 178 ppm 389 ppm 356 ppm 59.1 ppm 286 ppm			Dusky yellowish brown, medium-v coarse SAND w/fine-coarse gravel, some mica, trace silt Dk yellowish orange-mod yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, some mica, NAPL staining, odor HCN = 0.3 ppm @ 12.5' and 0.8 ppm @ 13' HCN = 0.4 ppm @ 13.5'
16-20'		285 ppm 335 ppm 89.0 ppm 322 ppm 226 ppm 85.9 ppm 326 ppm			Grayish orange-dusky yellowish brown, med-coarse SAND, micaceous, f gravel, sl odor, Mod yellowish brown, coarse-very coarse SAND w/fine-coarse gravel, odor, staining Dk yellowish orange-dk yellowish brown, medium-very coarse SAND w/fine-coarse gravel, trace silt, staining, odor
20-24'		164 ppm 374 ppm 300 ppm 254 ppm 121 ppm 224 ppm 390 ppm			Grayish brown-dark yellowish orange, med-coarse SAND w/fine-coarse gravel, some mica, NAPL staining, odor, dry HCN = 0.5 ppm @ 22' Mod yellowish brown, med-v coarse SAND, fine gravel, some mica, staining, odor
24-28'		80.9 ppm 704 ppm 597 ppm 647 ppm 298 ppm			Lt brown-dk yellow, med-fine SAND, micaceous, fine-coarse gravel, NAPL staining, odor HCN = 0.9 ppm @ 25' HCN = 1.2 ppm @ 25.5' HCN = 0.9 ppm @ 26'
28-32'		736 ppm 334 ppm 366 ppm 453 ppm			Mod brown-grayish brown-dusky yellowish brown, medium-very coarse SAND w/fine-coarse gravel, micaceous, NAPL staining, odor

Location: Hempstead	Site Id: HISB-16
Purpose: Soil Boring	Total Depth: 70.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
			351 ppm		Pale yellowish brown, med-fine SAND, micaceous, some med-coarse sand, staining, odor
		32-36'	160 ppm 419 ppm 231 ppm 285 ppm 18.6 ppm 38.5 ppm 5.0 ppm		Dusky brown, medium-coarse SAND w/some v coarse sand, micaceous, NAPL staining, odor, interbedded w/olive brown, fine silty micaceous sand, odor HCN = 0.3 ppm @ 33'
		36-40'	26.6 ppm 3.8 ppm 37.9 ppm 12.2 ppm		Grayish orange, medium-coarse SAND, micaceous, wet Pale yellowish brown-grayish orange, medium-coarse SAND w/some fine gravel, micaceous, zone of staining at 38', wet
		43-45'	0.0 ppm 1.2 ppm 0.0 ppm		Moderate brown, coarse-v coarse SAND w/some mica and fine gravel, sheen, staining, heavy staining at 43', wet
		48-50'			No recovery
		53-55'	75.2 ppm 33.7 ppm		Grayish orange-dk yellowish orange, coarse-v coarse SAND, some mica and fine gravel, zone of staining at 53', slight odor
		58-60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Grayish orange, medium-coarse SAND, some mica, zone of staining at 59.75'
		60-62'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand, trace fine gravel, slight odor, loose, wet
		62-64'	3.7 ppm 10 ppm 0.5 ppm		Same as above, trace coarse sand, slight naphthalene-like odor
		64-66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose, wet
		66-68'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine SAND w/some medium sand, medium dense, wet
		68-70'	8 ppm 11 ppm 8 ppm 1 ppm		Lt brown, fine-med SAND w/trace coarse, sl naphthalene-like odor, med dense, wet Base of boring - 70 ft.



Site Id: HISB-17

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/17/00 - 08/23/00

Total Depth: 76.00'

Remarks: Samples selected for analysis at 8-10', 16-18', 24-26', 58-60', and 74-76'.

Elevation: 70.95'

Datum: Mean Sea Level

Lagged By: Diamond/Schafer









Drilling Method: Direct Push

Contractor: Zebro Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			146 ppm 377 ppm		Grayish orange, coarse-very coarse sandy FILL w/fine gravel, dry
4-8'			101 ppm 11.4 ppm 12.0 ppm 31.2 ppm 99.7 ppm		Dark yellowish orange, coarse-very coarse SAND w/fine gravel, dry Dusky yellowish brown, fine-coarse GRAVEL, slight odor Pale yellowish brown, coarse GRAVEL w/very coarse sand, odor, slight sheen
8-12'			2.7 ppm 2.5 ppm 94.2 ppm 101 ppm 146 ppm 176 ppm 1835 ppm		Dark yellowish brown-dark yellowish orange-dusky yellowish brown, coarse-v coarse SAND w/fine to v coarse gravel, some mica, odor, NAPL staining
12-16'			6.1 ppm 3.9 ppm 4.4 ppm 0.2 ppm 159 ppm 147 ppm 153 ppm		Dk yellowish brown, coarse-v coarse SAND w/fine-med gravel, trace silt and mica, dry Grayish orange, med-very coarse SAND w/fine-medium gravel, trace of mica
16-20'			260 ppm 135 ppm 161 ppm 401 ppm 563 ppm		Dk yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, odor, NAPL staining Yellowish gray, medium-coarse SAND w/fine-medium gravel, some mica, slight odor, dry Moderate brown-dusky yellow brown, medium-v coarse SAND w/fine-coarse gravel, some mica, odor, staining, sheen
20-24'			268 ppm 623 ppm 528 ppm 441 ppm 202 ppm		Mod-dk yellow br, med-coarse SAND w/some f gravel, naphthalene-like odor, staining Grayish black-yellow gray-dk yellow brown, medium-v coarse SAND, w/fine-coarse gravel, naphthalene-like odor, NAPL stained
24-28'			391 ppm 288 ppm 159 ppm 277 ppm 223 ppm 164 ppm		Dk yellow orange-lt yellow brown, med-v coarse SAND w/fine-coarse gravel, sl odor Gray-bk, coarse-v coarse SAND w/f-c gravel, naphthalene-like odor, sheen, staining Mod brown-mod yellowish brown, medium-coarse SAND w/v coarse sand, coarse gravel, odor, staining
28-30'			0.0 ppm 24.4 ppm		Yellow gray, medium-v coarse SAND w/fine-coarse gravel, some mica, moist Mod brown-dark yellow orange, medium-v coarse SAND w/fine-coarse gravel, odor, wet

Location: Hempstead		Site Id: HISB-17	
Purpose: Soil Boring		Total Depth: 76.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
70-72'		70-72'	0.0 ppm		Light brown, fine sandy SILT, trace clay, soft, slightly plastic
72-74'		72-74'	0.0 ppm		Light brown, SILT w/fine sand, semi-hard, slightly plastic, wet
75		▲ 75'	1.5 ppm 0.0 ppm 0.0 ppm		Light brown, clayey SILT w/some fine sand, stiff, slightly plastic, moist
					Base of boring - 76 ft.
80					
85					
90					
95					
100					
105					



Site Id: HISB-18
Location: Hempstead
Purpose: Soil Boring
Date(s): 07/18/00 - 07/19/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 8.5-10', 18-20', 28-30', and 58-60'.

Elevation: 71.15'
Datum: Mean Sea Level
Logged By: J. Diamond
Drilling Method: Direct Push
Contractor: Zebro Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm 0.0 ppm 1.9 ppm 5.5 ppm		Gray black-red brown-dk yellow orange, silty med-coarse sandy FILL w/f-c gravel Dk yellowish brown, silty CLAY w/some mica and v coarse sand, med stiff, moist Dk yellow brown, coarse-v coarse SAND w/fine-coarse gravel
4-8'			0.0 ppm 3.8 ppm 14.7 ppm 0.0 ppm 0.6 ppm 9.7 ppm		Grayish orange-dk yellow orange-yellow gray, coarse-v coarse SAND w/fine-coarse gravel, mica HCN = 0.3 ppm @ 5' Dark yellowish brown, CLAY w/fine-medium gravel, little silt and mica HCN = 0.2 @ 6'
8-12'			0.0 ppm 32.7 ppm 41.6 ppm 33.7 ppm 46.1 ppm 245 ppm 72.5 ppm 553 ppm 164 ppm 26.5 ppm 35.2 ppm 68 ppm 43.7 ppm 39.9 ppm 87.6 ppm		Gray orange-mod yellow brown, med-v coarse SAND w/fine-coarse gravel, some mica Dk brown-mod yellow brown, med-v coarse SAND w/silt, some clay, fine-med gravel Grayish black-grayish orange-yellowish gray, med-v coarse SAND w/fine-med-coarse gravel
12-16'			10.4 ppm 16.5 ppm 6.3 ppm 156 ppm 147 ppm 609 ppm 200 ppm		Lt orange-grayish orange-dk yellowish orange, medium-coarse SAND w/fine-coarse gravel, some mica, bands of grayish black medium-coarse sand Dk yellowish brown-grayish bk, med-v coarse SAND w/f-c gravel, some mica, trace silt, dry HCN = 0.4 ppm @ 14.5'
16-20'			72.8 ppm 84.6 ppm 91.2 ppm 20.3 ppm 283 ppm 757 ppm 1290 ppm		Dusky yellowish brown, medium-coarse SAND w/fine-med gravel, trace silt Mod yellowish brown-dk yellowish orange, med-coarse SAND w/fine-coarse gravel, thin layer of sand saturated with NAPL, odor
20-24'			1955 ppm 1377 ppm 1374 ppm 627 ppm 656 ppm		Yellowish gray-gray orange, med-v coarse SAND, coarse gravel, trace mica, dry HCN = 0.3 ppm @ 20.5' and 11.8 ppm @ 23' Dk yellowish orange-grayish orange-grayish black, medium-v coarse SAND, w/fine-coarse gravel, micaceous, saturated w/NAPL at 23.5', odor
24-28'			2000+ ppm 2000+ ppm 2000+ ppm 2000+ ppm		Moderate brown, med-coarse SAND w/fine-med gravel, odor, NAPL staining, sheen HCN = 14.3 ppm @ 25.5' Dk yellow brown-moderate brown, med-coarse SAND w/some mica and v coarse sand, some fine-medium gravel, odor, NAPL staining
28-32'					Mod brown, med-coarse SAND w/f gravel, some mica, odor, NAPL staining, moist HCN = 0.8 ppm @ 28.5' and 1.0 ppm @ 29' and 29.5'

Location: Hempstead	Site Id: HISB-18
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-34'	Black	32-34'	212 ppm	Small circles	Gray orange-mod yellowish brown, fine-medium SAND, trace silt, micaceous, odor, sheen, saturated with NAPL, wet
34-36'	Black	34-36'	92.7 ppm 2.5 ppm 5.1 ppm	Small circles	Moderate yellowish brown, fine-medium SAND, micaceous, trace silt, wet
36-38'	Black	36-38'	14.1 ppm 7.7 ppm	Small circles	Moderate yellowish brown, fine-medium SAND, some mica, trace coarse sand, wet
38-40'	White	38-40'		Small circles	No recovery
40-43'	White			Small circles	
43-45'	White	43-45'		Small circles	No recovery
45-47'	Black	45-47'	1.4 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Small circles	Dk-mod yellowish brown, med-coarse SAND w/some coarse sand and f gravel, wet HCN = 0.4 ppm @ 45.5' HCN = 0.3 ppm @ 46' HCN = 0.3 ppm @ 46.5'
47-53'	White			Small circles	
53-55'	Black	53-55'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Small circles	Grayish orange-mod yellowish brown, medium-v coarse SAND w/some fine-medium gravel, some mica, wet
55-60'	Black	58-60'	0.0 ppm 32.9 ppm 19.0 ppm	Small circles	Dk yellow orange, coarse-v coarse SAND w/fine-coarse gravel, some mica, wet
60'	White			Small circles	Base of boring - 60 ft.



Site Id: HISB-19

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/17/00 - 07/17/00

Elevation: 65.31'

Total Depth: 56.00'

Datum: Mean Sea Level

Remarks: Samples selected for analysis at 2-4', 12-14', 20-22', and 48-50'.

Logged By: J. Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty FILL w/some fine gravel, moist
4-8'		4-8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty fine sandy FILL w/some fine-coarse gravel, slight coal layer at 3'
8-12'		8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty fine-medium sandy FILL w/some fine-coarse gravel, slight coal layer at 5', loose, moist
12-16'		12-16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown to dark orange brown, fine-medium SAND w/some silt and coarse gravel, fine gravel, loose, moist
16-20'		16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown-orange brown, fine-medium silty SAND w/fine gravel, trace coarse gravel, loose, moist
20-24'		20-24'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/fine-coarse gravel, loose, moist
24-28'		24-28'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND, trace fine gravel, loose, moist (wet at 25')
28-52'		28-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND, trace coarse sand and fine gravel, loose, wet

Location: Hempstead		Site Id: HISB-19	
Purpose: Soil Boring		Total Depth: 56.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		32-34'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND, trace coarse sand, loose, wet
35		34-36'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND, trace fine gravel, loose, wet
		36-38'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND, some fine gravel, loose, wet
		38-40'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
40		40-42'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		42-44'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
45		44-46'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, trace fine-coarse gravel
		46-48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, slight iron staining, loose, wet
		48-50'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND, trace fine gravel, loose, wet
50		50-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light orange-brown, fine-medium SAND w/some coarse sand, loose, wet
		52-54'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		No recovery
55		54-56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light orange-brown, fine-medium SAND, trace fine gravel, loose, wet
					Base of boring - 56 ft.



Site Id: HISB-20

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/18/00 - 07/18/00

Total Depth: 56.00'

Remarks: Samples selected for analysis at 0-2', 12-14', 20-22', and 50-52'.

Elevation: 64.37'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0 0.0 0.0	ppm ppm ppm		Asphalt to brown, fine-coarse sandy FILL w/some f gravel, loose, moist Dark brown, sandy silty FILL w/some fine gravel, coal, slightly hard, non-plastic, moist
4-8'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm		Brown, fine-medium sandy SILT w/some fine gravel, loose, moist Orange brown, fine-coarse SAND w/some fine gravel, loose, moist
8-12'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm		Orange brown, fine-coarse SAND w/fine gravel, loose, moist
12-16'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm		Orange brown, fine-medium SAND w/some silt and coarse sand, some fine gravel, loose, moist
16-20'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm		Orange brown, fine-medium SAND w/trace coarse sand and fine gravel, loose, moist
20-24'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm		Orange brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose, moist
24-28'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm		Orange brown, fine-coarse SAND w/fine gravel, loose, moist (wet at 26')
28-52'		0.0 0.0 0.0 0.0 0.0	ppm ppm ppm ppm ppm		Orange brown, fine-coarse SAND w/trace fine gravel, loose, wet

Location: Hempstead	Site Id: HISB-20
Purpose: Soil Boring	Total Depth: 56.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
			0.0 ppm 0.0 ppm		Orange brown, fine-coarse SAND w/trace fine gravel, loose, wet
		32-34'	0.0 ppm 0.0 ppm		Orange brown, fine-medium SAND w/trace fine gravel, loose, wet
35		34-36'	0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, fine-coarse SAND w/some fine gravel, loose, wet
		36-38'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, trace fine gravel
		38-40'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
40		40-42'	0.0 ppm 0.0 ppm		Orange brown, fine-medium SAND, loose, wet
		42-44'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, trace coarse gravel
45		44-46'	0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, fine-medium SAND w/trace fine gravel, sporadic iron staining, loose, wet
		46-48'	0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, fine-medium SAND, loose
		48-50'	0.0 ppm		Same as above, trace coarse sand
50		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, coarse SAND w/some fine-medium sand, trace fine gravel, loose, wet
		52-54'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/trace coarse sand, loose, wet
55		54-56'	0.0 ppm 0.0 ppm		Tan, fine-medium SAND w/trace coarse sand, loose, wet
					Base of boring - 56 ft.



Site Id: HISB-21

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/21/00 - 07/27/00

Total Depth: 56.00'

Remarks: Samples selected for analysis at 2-4', 10-12', 22-24', 42-44', and 54-56'.

Elevation: 64.14'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, sandy silty FILL w/fine-coarse gravel, loose, nonplastic, some coal fragments at 2.8', dry
4-8'		4-8'	0.0 ppm 0.0 ppm		Brown to light orange brown, silty fine-coarse SAND w/fine gravel, loose, dry
8-12'		8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty fine-coarse SAND w/fine gravel, some coarse gravel, loose, moist
12-16'		12-16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown-orange brown, silty fine-coarse SAND w/fine gravel, some coarse gravel, some iron staining, loose, moist,
16-20'		16-20'	0.0 ppm 0.0 ppm 0.0 ppm		Brown-orange brown, silty fine-medium SAND w/some coarse sand, fine-coarse gravel, loose, moist
20-22'		20-22'	0.0 ppm 0.0 ppm 0.0 ppm		Light orange-brown, fine-coarse SAND w/some fine gravel, loose, moist
22-24'		22-24'	30 ppm 86 ppm 146 ppm		Brown, fine SAND, naphthalene-like odor, stained, loose, moist HCN = 0.2 ppm @ 22'
24-26'		24-26'	301 ppm 92 ppm 53 ppm		Same as above, intermittent staining, moist to wet at 25.5' HCN = 0.3 ppm @ 24', 0.5 ppm @ 24.5' and 0.4 ppm @ 25'
26-28'		26-28'	22 ppm 8 ppm 15 ppm		Brown, fine SAND, slight naphthalene-like odor, medium dense, wet
42-56'		42-56'	42 ppm 20 ppm 20 ppm		Light brown, fine SAND, slight naphthalene-like odor, some light iron banding, medium dense, wet

Location: Hempstead	Site Id: HISB-21
Purpose: Soil Boring	Total Depth: 56.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'			3.3 ppm 9 ppm 28 ppm 58 ppm		Lt br, fine SAND w/some m-c sand, trace f gravel, sl naphthalene-like odor
32-34'			323 ppm 73 ppm		Brown, fine-medium SAND w/some coarse sand and fine gravel, naphthalene-like odor, intermittent staining, loose, wet
34-36'			30 ppm 20 ppm		Orange-brown, fine-coarse SAND w/trace fine gravel, naphthalene-like odor, loose, wet
36-38'					No recovery
38-40'			40 ppm 9 ppm 15 ppm 16 ppm		Orange-brown, fine-medium SAND w/some coarse sand, fine gravel, naphthalene-like odor, loose, wet
40-42'			0.2 ppm 0.9 ppm 3.3 ppm 1.1 ppm		Orange-brown, fine-coarse SAND w/trace fine gravel, slight naphthalene-like odor, loose, wet
42-44'			44 ppm		Brown, fine-coarse SAND w/some fine gravel, naphthalene-like odor, stained, loose (composite sample)
44-46'			6.5 ppm 13 ppm 8.5 ppm		Light brown, fine-medium SAND w/some coarse sand, slight naphthalene-like odor, loose, wet
46-48'			3.2 ppm 4.9 ppm 3.7 ppm 24 ppm		Orange-brown, fine-coarse SAND w/fine gravel, naphthalene-like odor, loose, wet
48-50'			3.9 ppm 2.2 ppm 1.9 ppm		Orange-brown, fine-coarse SAND w/fine gravel, slight naphthalene-like odor, loose, wet
50-52'			6.7 ppm 2.2 ppm 1.3 ppm		Orange-brown, fine-medium SAND w/some fine gravel and coarse sand, slight naphthalene-like odor, loose, wet
52-54'			3 ppm 1 ppm		Orange-brown, fine-coarse SAND w/trace fine gravel, loose, wet
54-56'		54 56	3.3 ppm 3 ppm 1.4 ppm		Orange-brown, fine-medium SAND w/some coarse sand and fine gravel, loose, wet
					Base of boring - 56 ft.



Site Id: HISB-22

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/24/00 - 07/24/00

Total Depth: 49.00'

Remarks: Samples selected for analysis at 0-2', 12-14', and 47-49'.

Elevation: 53.72'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Direct Push

Contractor: Zebro Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, sandy clayey FILL w/organic material to ~.5', trace coal, soft Orange-brown, fine-coarse SAND w/some fine gravel, loose, moist
4-8'			7.2 ppm 3.6 ppm 6.4 ppm 7.7 ppm 9.2 ppm 9.3 ppm		Light brown-yellowish orange, fine-coarse SAND w/fine gravel, loose, moist
8-12'			6.3 ppm 6.5 ppm 11.0 ppm 6.3 ppm 8.6 ppm 4.7 ppm 5.9 ppm		Light brown-yellowish orange, fine-medium SAND w/fine gravel from 8-10.5', loose, moist
12-16'			10.0 ppm 26.3 ppm 7.1 ppm		Dark-light brown, fine-medium SAND, naphthalene-like odor, light staining, moist-wet
16-20'			16.6 ppm 5.0 ppm 3.6 ppm 6.0 ppm 11.4 ppm 7.4 ppm		Light brown, fine-medium SAND, naphthalene-like odor, coal tar staining at 19', sheen, loose, wet
20-24'			2.0 ppm 0.3 ppm 0.7 ppm 0.9 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine SAND w/fine gravel, loose, wet
24-28'					Light brown-yellowish orange, fine SAND w/fine gravel, loose, wet

Location: Hempstead	Site Id: HISB-22
Purpose: Soil Boring	Total Depth: 49.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
33-35'		33-35'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, medium SAND w/fine gravel, loose, wet
40-42'		40-42'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, fine-medium SAND, loose, wet
49'		49'	0.0 ppm 0.0 ppm 0.0 ppm		Light gray-light brown-yellowish orange, CLAY, plastic, medium stiff, wet Base of boring - 49 ft.



Site Id: HISB-23

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/24/00 - 07/24/00

Total Depth: 46.00'

Remarks: Samples selected for analysis at 0-2', 14-16', and 44-46'.

Elevation: 54.21'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0-4.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o	Brown, silty FILL (top .2'), soft, plastic, moist, organic odor Orange-brown, fine-coarse SAND w/fine gravel, loose, moist
4-8'		4.0-8.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o	Orange-brown, medium-coarse SAND w/some fine sand and gravel, loose, moist
8-12'		8.0-12.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o	Brown-orange brown, fine-coarse SAND w/fine-coarse gravel, loose, moist
12-16'		12.0-16.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o	Brown-orange brown, fine-coarse SAND w/fine-coarse gravel, brown banding, medium dense, moist
16-20'		16.0-20.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o	Tan, fine-medium SAND, medium dense, moist (wet at 17')
20-22'		20.0-22.0'	0.0 ppm 0.0 ppm 0.0 ppm	o o	Light orange-brown, fine-coarse SAND w/some fine gravel, loose, wet
22-24'		22.0-24.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o	Brown-orange brown, fine-coarse SAND w/fine gravel, loose, wet
24-26'		24.0-26.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	o o	Orange-brown, fine-coarse SAND w/some fine gravel, medium dense, wet
26-28'		26.0-28.0'	0.0 ppm 0.0 ppm	o o	Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet

Location: Hempstead	Site Id: HISB-23
Purpose: Soil Boring	Total Depth: 46.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
34	■	34-36'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet
39	■	39-41'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/trace of fine gravel, loose, wet
45	■	45-46'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, gravelly fine-coarse SAND, loose, wet
					Base of boring - 46 ft.



Site Id: HISB-24
Location: Hempstead
Purpose: Soil Boring
Date(s): 07/19/00 - 07/20/00
Total Depth: 49.00'
Remarks: Samples selected for analysis at 2-4', 14-16', 22-24', and 47-49'.

Elevation: 64.20'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Dark brown, fine-medium sandy FILL w/coarse gravel, coal fragments, vesicular slag (2-3'), loose, dry
4-8'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Dark brown, fine-medium sandy FILL, trace vesicular slag, loose, dry Same as above, dk brown-lt orange brown, coarse gravel, vesicular slag Brown-orange, medium-coarse SAND, loose, dry
8-12'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Orange brown, fine-medium-coarse SAND, loose
12-16'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Orange-brown-tan, fine-medium-coarse SAND, loose, dry
16-20'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Orange-brown-tan, fine-coarse SAND, loose, dry
20-24'		8.7 ppm 9.2 ppm 10.7 ppm 11.2 ppm 7.8 ppm 7.1 ppm			Orange-light brown, fine-medium SAND, damp at 21', wet at 22', loose
24-28'		0.9 ppm 3.7 ppm 3.3 ppm 6.2 ppm 3.9 ppm 4.2 ppm			Light brown-yellowish orange, fine-very fine SAND, loose, wet
28-50'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Tan-light brown, fine-medium SAND, loose, wet

Location: Hempstead	Site Id: HISB-24
Purpose: Soil Boring	Total Depth: 49.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'	█	30-32'	0.0 ppm 0.0 ppm 0.0 ppm	○ ○ ○	Light brown-yellowish orange, fine-medium SAND, loose, wet
32-34'	█	32-34'		○ ○ ○	Tan-lt brown-yellowish orange, fine-coarse SAND, slight naphthalene-like odor, loose, wet (PID malfunction)
34-36'	█	34-36'	15.7 ppm	○ ○ ○	Light brown-yellowish orange, medium-coarse-very coarse SAND, naphthalene-like odor, loose, wet
41-43'	█	41-43'	49.4 ppm 55.5 ppm 38.3 ppm	○ ○ ○	Tan-yellowish orange, medium SAND, naphthalene-like odor, loose, wet
49'	█	49'	28.8 ppm 27.0 ppm 45.2 ppm	○ ○ ○	Tan, fine SAND, naphthalene-like odor, loose, wet
					Base of boring - 49 ft.



Site Id: HISB-25
Location: Hempstead
Purpose: Soil Boring
Date(s): 07/25/00 - 07/27/00
Total Depth: 66.00'
Remarks: Samples selected for analysis at 6-8', 14-16', 24-26', and 56-58'. Went deeper in this location to look for clay that was found in HISB-22.

Elevation: 64.01'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Hand Auger 0-4', Direct Push 4-66'
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PIID	Graphic Log	Material Description
5	█	4-8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, medium SAND, loose, dry
10	█	8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, medium-coarse SAND w/fine gravel, loose, dry
15	█	12-16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown-yellowish orange, medium SAND w/fine gravel, loose, dry
20	█	16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, medium-coarse SAND, loose, dry
25	█	20-24'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, medium SAND w/fine gravel, loose, dry
25	█	24-28'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-brownish orange, fine-medium SAND, dry (wet at 25')
28	█	28-32'	0.0 ppm		Light brown, fine-medium SAND, wet (liner broke, little sample left placed in plastic bag)

Location: Hempstead	Site Id: HISB-25
Purpose: Soil Boring	Total Depth: 66.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-34'		32-34'	0.0 ppm		Orange brown, fine-coarse SAND, loose, wet (liner broke, little sample left placed in plastic bag)
34-36'		34-36'	0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, medium SAND, loose, wet
41-43'		41-43'	0.0 ppm 0.0 ppm		Orange-light brown, SAND w/fine gravel, loose, wet
48-50'		48-50'			No recovery, sample washed out
50-52'		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Light brownish-orange, medium-fine SAND w/trace fine gravel, loose, wet
56-58'		56-58'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown-tan, fine SAND, loose, wet
58-60'		58-60'	0.0 ppm		Brown, fine SAND w/trace reddish fine sand, loose, wet (liner broke, little sample left placed in plastic bag)
60-62'		60-62'	0.0 ppm 0.0 ppm 0.0 ppm		Tan-dark brown, fine SAND, loose, wet Tan, fine SAND, loose, wet
64-66'		64-66'	0.0 ppm 0.0 ppm 0.0 ppm		Tan, fine SAND, loose, wet
					Base of boring - 66 ft.



Site Id: HISB-26

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/20/00 - 07/21/00

Total Depth: 56.00'

Remarks: Samples selected for analysis at 2-4', 14-16', 21-23', and 54-56'.

Elevation: 64.05'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, TOPSOIL w/fine gravel, loose, dry Dk brown-yellow orange, TOPSOIL w/f-c gravel, coal fragments, loose, dry Dark brown, fine-medium sandy TOPSOIL, loose, dry
4-8'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above Tan-light brown-yellowish orange, fine-medium-coarse SAND
8-11'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, fine-medium-very coarse SAND, loose, dry Tan-light brown-yellowish orange, medium-coarse SAND, loose, dry
11-14'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown-yellowish orange, SAND w/coarse gravel, loose, dry Tan-light brown-yellowish orange, medium SAND, loose, dry
14-17'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, medium SAND w/fine gravel, loose, dry Dk brown-tan-lt brown-yellowish orange, medium-coarse SAND, loose, dry Tan-light brown-yellowish orange, medium SAND, loose, dry
17-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown-yellowish orange, medium SAND w/fine gravel, loose, dry Tan-yellowish orange, fine-medium SAND, loose, dry
20-23'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown, medium SAND w/fine gravel, loose, dry (moist at 21.5')
23-27'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, fine-medium SAND, wet Tan, fine-medium SAND, wet Tan-light brown, fine-medium SAND, loose, wet Tan-light brown, fine-very fine SAND, loose, wet
54-56'			0.0 ppm 0.0 ppm		Tan-light brown-yellowish orange, very fine-medium SAND, loose, wet

Location: Hempstead	Site Id: HISB-26
Purpose: Soil Boring	Total Depth: 56.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
31-35'		31-35'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish orange, medium-coarse SAND w/fine gravel
40-42'		40-42'	68.6 ppm		Same as above, naphthalene-like odor (liner broke, little sample left placed in plastic bag)
47-49'		47-49'	30.0 ppm 14.4 ppm 15.2 ppm 17.7 ppm		Tan, medium SAND, naphthalene-like odor, wet Same as above, tan-yellowish orange
54-56'		54-56'	0.0 ppm 0.0 ppm 0.0 ppm		Tan, fine-medium SAND w/trace light brown sandy clay at 55', naphthalene-like odor, loose, wet Base of boring - 56 ft.



Site Id: HISB-27
Location: Hempstead
Purpose: Soil Boring
Date(s): 07/17/00 - 07/19/00
Total Depth: 57.00'
Remarks: Samples selected for analysis at 0-2', 12-14', 26-28', and 55-57'.

Elevation: 66.73'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0-4'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown, medium-coarse sandy FILL w/gravel, loose, dry Dark black, fine-medium sandy FILL, w/gravel, loose, dry
4-8'		4-8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above, vesicular slag, some dark brown silty sand, trace clay Dark brown, fine-medium sandy FILL, loose, dry Same as above, fine-coarse sand, coarse gravel Orange-brown, fine-medium sandy FILL, trace gravel at 6'
8-12'		8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse sandy FILL w/trace fine gravel, loose, dry
12-16'		12-16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk brown, fine-medium-coarse sandy FILL w/gravel, vesicular slag, loose, dry Orange brown, medium-coarse SAND, dry, loose
16-20'		16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown-orange, fine-medium SAND, loose, dry Same as above, medium Same as above, fine-coarse Same as above, trace gravel
20-24'		20-24'	0.0 ppm 0.0 ppm		Dark brownish orange, medium-coarse SAND, damp Same as above, some tan
24-26'		24-26'	0.0 ppm 0.0 ppm		Orange, fine SAND, damp
26-28'		26-28'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange, fine SAND, damp (wet at 27') Orange-light brown, fine SAND, trace silt
28-57'		28-57'	0.0 ppm 0.0 ppm 5.2 ppm		Tan-light brown-yellowish orange, fine SAND, wet

Location: Hempstead	Site Id: HISB-27
Purpose: Soil Boring	Total Depth: 57.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	9.1 ppm 37.6 ppm		Tan-lt br-yellow orange, fine-coarse SAND, naphthalene-like odor, wet
32-34'		32-34'	10.3 ppm 10.9 ppm 7.0 ppm		Light brown, fine-medium SAND, naphthalene-like odor, wet
34-36'		34-36'	21.3 ppm 35.7 ppm 25.6 ppm		Light brown-yellow orange, fine-coarse SAND, naphthalene-like odor, wet
41-43'		41-43'	13 ppm 23.6 ppm 16.9 ppm 29.7 ppm		Orange-light brown, medium SAND, naphthalene-like odor, wet
48-50'		48-50'	7.1 ppm 20.2 ppm 37.6 ppm 11.8 ppm		Orange-brown, fine-medium-coarse SAND, strong naphthalene-like odor
55-55'		55-55'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-light brown, fine-medium-coarse SAND, naphthalene-like odor, wet
					Base of boring - 57 ft.



Site Id: HISB-28
Location: Hempstead
Purpose: Soil Boring
Date(s): 08/09/00 - 08/09/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 8-10', 18-20', 28-30', and 58-60'. PID meters were not operational due to high humidity levels.

Elevation: 67.34'
Datum: Mean Sea Level
Logged By: J. Schafer
Drilling Method: Hand Auger 0-4', Direct Push 4-60'
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0-4'			Brown, silty fine-coarse SAND w/some fine gravel, trace clay, loose, wet
4-8'		4-8'			Same as above
8-12'		8-12'			Orange-brown, fine-coarse SAND w/some fine gravel, loose, moist
12-16'		12-16'			Same as above
16-20'		16-20'			Same as above
20-24'		20-24'			Orange brown-light brown, fine-coarse SAND w/fine gravel, loose, moist
24-28'		24-28'			Orange brown, fine-medium SAND w/trace coarse sand, loose, moist
28-29'		28-29'			Brown, fine SAND w/dark brown banding, dense, wet at 29'

Location: Hempstead		Site Id: HISB-28	
Purpose: Soil Boring		Total Depth: 60.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32		32-36'			Brown, fine SAND w/dark brown banding, dense, wet Tan-orange-brown, fine SAND w/some medium-coarse SAND, trace fine gravel, medium dense, wet
35		36-40'			Gravelly medium-coarse SAND to sandy fine-coarse GRAVEL, slight hydrocarbon-like odor, loose, wet
40		40-44'			Brown, gravelly medium-coarse SAND w/fine-coarse gravel, red iron staining, naphthalene-like odor, loose, wet
45		44-48'			Orange-brown, fine-coarse SAND w/trace fine gravel, naphthalene-like odor, dense, wet
50		50-52'			Orange-brown, fine-coarse SAND w/some fine gravel, slight naphthalene-like odor, medium dense, wet
52		52-54'			Light orange brown, coarse SAND w/some fine sand and fine gravel, naphthalene-like odor, medium dense, wet
54		54-56'			Light orange-brown, fine-coarse SAND w/some fine gravel, naphthalene-like odor, medium dense, wet
56		56-58'			Light orange brown, fine-coarse SAND w/fine gravel, naphthalene-like odor, loose, wet
58		58-60'			Light brown, fine-coarse SAND w/some gravel, naphthalene-like odor, medium dense, wet
60					Base of boring - 60 ft.



Site Id: HISB-29
Location: Hempstead
Purpose: Soil Boring
Date(s): 09/29/00 - 09/29/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 8-10', 16-18', 28-30', and 58-60'.

Elevation: 71.18'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'					FILL, brick, concrete
4-8'			53.4 ppm		Br, med-coarse SAND w/f gravel, bk staining, naphthalene-like odor, loose, moist
8-12'			22.2 ppm 405 ppm 944 ppm 1060 ppm 1301 ppm		Orange-brown-black, medium-coarse SAND w/trace fine gravel, heavy bk staining, strong naphthalene-like odor, loose, moist HCN = 0.3 ppm @ 5.5'
12-16'			33.8 ppm 70.5 ppm 153 ppm 162 ppm 73.0 ppm 17.0 ppm 7.4 ppm 10.1 ppm 31.1 ppm		Black, fine-medium-coarse SAND w/trace fine gravel, heavy black staining, naphthalene-like odor, loose, moist HCN = 0.3 ppm @ 8.5' HCN = 0.6 ppm @ 9' HCN = 0.3 ppm @ 11' and 0.2 @ 11.5'
16-20'			623 ppm 113 ppm 54.2 ppm 45.1 ppm 70.5 ppm 61.4 ppm		Black, fine-medium SAND w/trace fine gravel, some yellowish-orange gray banding throughout, naphthalene-like odor
20-24'			579 ppm 337 ppm 175 ppm 449 ppm 274 ppm		Black, fine-medium-coarse SAND w/fine-coarse gravel, black staining, naphthalene-like odor, loose, moist
24-28'			2000+ ppm 679 ppm 690 ppm 469 ppm 218 ppm		Black, fine-medium-coarse SAND w/trace fine gravel, black staining, naphthalene-like odor, loose, moist
28-30'			675 ppm 709 ppm 822 ppm 476 ppm		Brown, fine-medium SAND, black banding at 24.5' and 25', naphthalene-like odor, loose, moist
58-60'			514 ppm 1896 ppm 310 ppm 1080 ppm		Yellowish-orange brown, fine-medium-coarse SAND, heavy staining and NAPL saturation, naphthalene-like odor, loose, moist (wet at 29')

Location: Hempstead	Site Id: HISB-29
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'			359 ppm 129 ppm 1024 ppm 2000+ ppm 674 ppm 1108 ppm 1015 ppm 573 ppm		Yellowish-orange brown, fine-medium-coarse SAND, heavy staining, NAPL saturated, naphthalene-like odor, loose, wet Brown, fine-medium SAND, NAPL staining (32-33.5'), naphthalene-like odor, loose, wet HCN = 0.3 ppm @ 33' and 0.5 ppm @ 33.5'
36-40'			128 ppm 60.4 ppm 290 ppm 267 ppm 271 ppm		Brown, fine-medium SAND, naphthalene-like odor, loose, wet HCN = 0.2 ppm @ 37' Brown, fine-medium sandy SILT w/f gravel, trace coarse gravel, naphthalene-like odor, medium dense, wet
40-44'			540 ppm 960 ppm 581 ppm 580 ppm 584 ppm 320 ppm		Same as above Orange, fine-medium-coarse SAND w/f gravel, naphthalene-like odor, loose, wet Light brownish-orange, fine-medium-coarse SAND, naphthalene-like odor, loose, wet
44-48'			37.1 ppm 9.2 ppm 33.5 ppm 16.4 ppm 3.7 ppm		Yellowish-orange brown, fine-medium-coarse SAND w/trace fine gravel, slight naphthalene-like odor, loose, wet
48-52'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brownish-orange, fine-medium-coarse SAND w/fine gravel, loose, wet
52-56'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
56-60'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above, trace coarse gravel
60					Base of boring - 60 ft.



Site Id: HISB-30
Location: Hempstead
Purpose: Soil Boring
Date(s): 10/06/00 - 10/06/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 8-10', 28-30', and 58-60'.

Elevation: 71.28'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm 0.0 ppm 3.3 ppm 4.7 ppm 37.4 ppm		Dark brown, sandy FILL w/fine gravel, loose, dry Same as above, sandy-clay lens at 2.2', black banding at 2', spotty staining from 2-3', naphthalene-like odor
4-8'			7.7 ppm 122 ppm 205 ppm 145 ppm 285 ppm 72.9 ppm		Dark brown, medium-coarse SAND w/fine gravel, heavy NAPL staining, naphthalene-like odor, loose, moist
8-12'			13.7 ppm 116 ppm 142 ppm 226 ppm 206 ppm 121 ppm 205 ppm		Brown, medium-coarse SAND w/trace fine gravel, heavy staining (heaviest in upper 18"), naphthalene-like odor, loose, moist
12-16'			212 ppm 272 ppm 174 ppm 264 ppm 215 ppm 218 ppm 121 ppm		Yellowish-orange brown, medium-fine SAND w/trace fine gravel, heavy black staining in upper 18", black banding in lower 30", naphthalene-like odor, loose, moist
16-20'			177 ppm 242 ppm 294 ppm 159 ppm 330 ppm 399 ppm 461 ppm 165 ppm		Yellowish-orange brown, fine-medium-coarse SAND w/fine gravel, heavy black staining from 16-17' and 19-20', black banding from 17-19', naphthalene-like odor, loose, moist
20-24'			302 ppm 149 ppm 303 ppm 383 ppm 305 ppm 168 ppm		Yellowish-orange brown, fine-medium-coarse SAND w/fine gravel, heavy black staining, naphthalene-like odor, loose, moist
24-28'			401 ppm 373 ppm 233 ppm 383 ppm		Yellowish-orange brown, fine-medium-coarse SAND w/fine-coarse gravel, heavy black staining from 24-25', strong naphthalene-like odor, loose, moist
28-30'			332 ppm 21.5 ppm 324 ppm 102 ppm		HCN = 0.3 ppm @ 28.5' and 29.5' Orange br, fine-coarse SAND w/f gravel, heavy bk staining (28-28.4', 30'), naphthalene-like odor, loose, moist (wet at 29.5')

Location: Hempstead		Site Id: HISB-30
Purpose: Soil Boring		Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'		32-36'	46.7 ppm 11.2 ppm 19.8 ppm 4.7 ppm 128 ppm 76.3 ppm 20.7 ppm		Orange brown, f-c SAND w/f gravel, naphthalene-like odor, loose, wet Light brown-orange, fine-medium SAND, black staining from 33-34', naphthalene-like odor, loose, wet
36-40'		36-40'	13.0 ppm 3.7 ppm 2.7 ppm 1.3 ppm 4.7 ppm		Brown, fine-medium-coarse SAND w/trace fine gravel, some coarse gravel at 37.25', mild naphthalene-like odor, loose, wet
40-44'		40-44'	1.9 ppm 1.5 ppm 1.5 ppm 1.8 ppm 1.4 ppm 1.3 ppm		Orange-brown, fine-medium-coarse SAND w/trace fine gravel, mild naphthalene-like odor, loose, wet
44-46'		44-46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brownish-orange, fine-medium-coarse SAND, loose, wet
46-48'		46-48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
48-50'		48-50'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
50-52'		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium-coarse SAND w/fine gravel, loose, wet
54-56'		54-56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
58-60'		58-60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
60					Base of boring - 60 ft.



Site Id: HISB-31

Location: Hempstead

Purpose: Soil Boring

Date(s): 09/22/00 - 09/25/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 4-6', 16-18', 28-30', and 52-54'.

Elevation: 68.21'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, TOPSOIL w/fine gravel, loose, moist
4-8'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, medium-coarse SAND w/fine gravel, loose, moist
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium-coarse SAND w/trace fine gravel, minor black banding at 9.5', loose, dry
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange, medium-coarse SAND w/fine gravel, loose, moist
16-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium-coarse SAND w/fine gravel, loose, moist
20-24'			0.0 ppm 63.6 ppm 464 ppm 1205 ppm 544 ppm 410 ppm 461 ppm		Brown, medium-coarse SAND w/fine gravel, black banding at 21.5', strong naphthalene-like odor, loose, moist HCN = 6.0 ppm @ 20.5' and 21' HCN = 7.0 ppm @ 21.5', HCN = 0.3 ppm @ 22' and 0.9 ppm @ 22.5'
24-28'			1372 ppm 2000+ ppm 774 ppm 2000+ ppm 1229 ppm 2000+ ppm 2000+ ppm		Brownish-orange, medium-coarse SAND w/trace fine gravel, black banding at 24.5', 25' and 26', strong naphthalene-like odor, loose, moist HCN = 2.0 ppm @ 24' and 24.5' HCN = 1.4 ppm @ 25' and 0.3 ppm @ 25.5'
28-30'			2000+ ppm 2000+ ppm 2000+ ppm 2000+ ppm		Reddish-orange brown, fine-medium SAND, black staining, NAPL, sheen, very strong naphthalene-like odor, loose, wet

Location: Hempstead	Site Id: HISB-31
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
			2000+ ppm		Reddish-orange brown, fine-medium SAND, black staining, NAPL, sheen, very strong naphthalene-like odor, loose, wet
		32-36'	13.6 ppm 26.9 ppm 22.8 ppm 18.3 ppm 15.4 ppm 11.5 ppm		Brown, fine-med-coarse SAND, moderate naphthalene-like odor, loose, wet HCN = 0.2 ppm @ 32.5', 0.4 ppm @ 33.5', and 0.3 ppm @ 34.5'
		36-40'	1.7 ppm 0.8 ppm 3.3 ppm 0.7 ppm 79.8 ppm 6.9 ppm 8.7 ppm		Brown, fine-medium-coarse SAND w/fine-coarse gravel, mild naphthalene-like odor, loose, wet HCN = 0.5 ppm @ 36.5', 0.2 ppm @ 37.5', and 0.3 ppm @ 38'
		40-44'	3.9 ppm 2.4 ppm 1.5 ppm 2.3 ppm 4.0 ppm 4.9 ppm 3.0 ppm		Brownish-orange, fine-medium-coarse SAND w/fine-coarse gravel, mild naphthalene-like odor, loose, wet HCN = 0.4 ppm @ 40.5'
		44-48'	0.0 ppm 0.0 ppm 2.3 ppm 0.0 ppm 0.7 ppm 0.5 ppm 2.2 ppm		Brownish-orange, fine-medium-coarse SAND w/fine gravel, mild naphthalene-like odor, loose, wet
		48-52'	2.7 ppm 5.1 ppm 11.0 ppm 1.2 ppm 21.5 ppm 8.8 ppm		Brown, fine-medium-coarse SAND, mild naphthalene-like odor, loose, wet
		52-56'	3.8 ppm 0.5 ppm 2.6 ppm 2.0 ppm 2.8 ppm 15.2 ppm		Brownish-orange, medium-coarse SAND w/some fine gravel, slight naphthalene-like odor, loose, wet
		56'			No recovery
					Base of boring - 60 ft.



Site Id: HISB-32

Location: Hempstead

Purpose: Soil Boring

Date(s): 10/02/00 - 10/02/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 8-10', 18-20', 28-30', and 58-60'.

Elevation: 69.37'

Datum: Mean Sea Level

Logged By: M. Bowman

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		0-4'	0.0 ppm 0.0 ppm 2.2 ppm 6.8 ppm 0.0 ppm		Dark brown-orange, sandy TOPSOIL w/fine gravel, loose, moist Dark brown, clayey SAND w/fine gravel, soft, moist HCN = 0.2 ppm @ 0.5' and 2'
4-8'		4-8'	0.0 ppm 0.0 ppm 4.2 ppm 15.8 ppm 12.4 ppm		Light brown, fine-medium-coarse SAND w/trace fine gravel and mica, black banding from 4.8-6.8', mild naphthalene-like odor, loose, moist HCN = 0.3 ppm @ 4', 0.7 ppm @ 4.5', and 0.1 ppm @ 5'
8-12'		8-12'	0.0 ppm 0.0 ppm 5.7 ppm 14.1 ppm 31.7 ppm 8.4 ppm 12.3 ppm 3.9 ppm		Light brownish-orange, fine-medium-coarse SAND w/trace fine gravel, bk banding from 9-11', loose, moist
12-16'		12-16'	11.8 ppm 18.2 ppm 25.0 ppm 40.2 ppm 88.2 ppm 142 ppm 74.2 ppm 77.9 ppm 36.3 ppm		Same as above, black banding throughout HCN = 0.3 ppm @ 14.5'
16-20'		16-20'	0.0 ppm 11.1 ppm 118 ppm 301 ppm 516 ppm 314 ppm		Brownish-orange, medium-fine SAND w/gravel, loose, moist Brown, fine-medium-coarse SAND w/trace gravel, loose, moist HCN = 0.3 ppm @ 16', 0.5 ppm @ 17', and 0.3 ppm @ 17.5' HCN = 0.2 ppm @ 18' and 0.3 ppm @ 18.5' HCN = 0.5 ppm @ 19', 0.2 ppm @ 20', and 0.5 ppm @ 20.5'
20-24'		20-24'	1188 ppm 803 ppm 1130 ppm 2000+ ppm 2000+ ppm 2000+ ppm		Brownish-tan, fine-medium-coarse SAND w/fine gravel, staining at 22', strong naphthalene-like odor, loose, moist HCN = 0.6 ppm @ 21' and 0.3 ppm @ 21.5' HCN = 0.4 ppm @ 22.5'
24-28'		24-28'	2000+ ppm 1241 ppm 1751 ppm 1632 ppm 2000+ ppm 2000+ ppm		Light brown-tan, fine-medium-coarse SAND w/some gravel, strong naphthalene-like odor, loose, moist
28-30'		28-30'	2000+ ppm 1241 ppm 1751 ppm 1632 ppm		Br, f-m SAND w/trace f gravel, black banding (29-29.5'), bk staining and NAPL (29.5-30'), naphthalene-like odor, loose, moist

Location: Hempstead	Site Id: HISB-32
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'	32-36'	32-36'	2000+ ppm 49.6 ppm 6.8 ppm 19.1 ppm 61.2 ppm 38.3 ppm 79.7 ppm 44.3 ppm 68.8 ppm 39.8 ppm 102.1 ppm 83.6 ppm 11.9 ppm 31.4 ppm		Brown, fine-medium SAND w/trace fine gravel, black staining and NAPL, naphthalene-like odor, loose, wet Light brownish-yellow, fine-medium SAND, sheen on water, naphthalene-like odor, loose, moist HCN = 0.4 ppm @ 32.5'
36-40'	36-40'	36-40'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above, trace fine gravel Brown, clayey fine SAND w/trace gravel and pebbles, naphthalene-like odor, firm, moist
40-44'	40-44'	40-44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light orange, medium-coarse SAND w/trace fine gravel and pebbles, slight naphthalene-like odor, loose, wet
44-48'	44-48'	44-48'	0.0 ppm 7.8 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above, no odor
48-52'	48-52'	48-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brownish-orange, fine-medium-coarse SAND w/trace fine gravel and pebbles, loose, moist
52-56'	52-56'	52-56'			No recovery - sample washed out
56-60'	56-60'	56-60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brownish-orange, fine-medium-coarse SAND w/some fine gravel, loose, wet
60					Base of boring - 60 ft.



Site Id: HISB-33
Location: Hempstead
Purpose: Soil Boring
Date(s): 09/27/00 - 09/28/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 8-10', 16-18', 28-30', and 58-60'. Concrete slab from 0-0.5'.

Elevation: 70.47'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'	0-4'	0-4'	2000+ ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, medium-coarse sandy TOPSOIL w/fine-coarse gravel, heavy black staining at 2.25', strong naphthalene-like odor, loose, moist HCN = 0.3 ppm @ 0.5'
4-8'	4-8'	4-8'	18.5 ppm 20.6 ppm 20.6 ppm 6.8 ppm		Brown, medium-coarse SAND w/fine gravel, black banding at 5' and 5.3', mild naphthalene-like odor, loose, moist HCN = 0.2 ppm @ 4' and 5'
8-12'	8-12'	8-12'	85.2 ppm 70.6 ppm 40.8 ppm 157 ppm 79.2 ppm 28.9 ppm		Brown, medium-coarse SAND w/fine gravel, black banding, staining, strong naphthalene-like odor, loose, moist HCN = 0.2 ppm @ 8' and 0.3 ppm @ 8.5'
12-16'	12-16'	12-16'	99.1 ppm 92.3 ppm 23.5 ppm 76.2 ppm 23.6 ppm 91.4 ppm 98.3 ppm		Brownish-orange, medium-coarse SAND w/fine gravel, black staining @ 13.25', strong naphthalene-like odor, loose, moist HCN = 1.2 ppm @ 12'
16-20'	16-20'	16-20'	87.3 ppm 33.7 ppm 40.6 ppm 24.1 ppm		Brownish-orange, medium-coarse SAND w/fine-coarse gravel, heavy bk staining from 16-16.5', moderate naphthalene-like odor, loose, moist
20-24'	20-24'	20-24'	2000+ ppm 2000+ ppm 1217 ppm 2000+ ppm 2000+ ppm		Orange-brown, medium-coarse SAND w/fine gravel, strong naphthalene-like odor, loose, moist HCN = 0.4 ppm @ 20.5'
24-28'	24-28'	24-28'	2000+ ppm 2000+ ppm 2000+ ppm 2000+ ppm 2000+ ppm		Brown, medium-coarse SAND w/fine gravel, black banding at 26', strong naphthalene-like odor, loose, moist HCN = 0.3 ppm @ 25' and 26' HCN = 0.2 ppm @ 26.5'
28-30'	28-30'	28-30'	2000+ ppm 2000+ ppm 2000+ ppm 2000+ ppm		Brown, fine-medium-coarse SAND, heavy black banding, staining and NAPL from 29-30', strong naphthalene-like odor, loose, moist (wet at 28.5')

Location: Hempstead	Site Id: HISB-33
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'		32-36'	2000+ ppm 1836 ppm 448 ppm 2000+ ppm 167 ppm 2000+ ppm 2000+ ppm 2000+ ppm		Brown, fine-medium-coarse SAND, heavy black banding, staining and NAPL from 30-31', strong naphthalene-like odor, loose, wet Brown, fine-medium SAND, sheen on water, strong naphthalene-like odor, loose, wet
36-40'		36-40'	2000+ ppm 2000+ ppm 2000+ ppm 2000+ ppm		Brown, fine sandy SILT w/fine gravel, trace coarse gravel, strong naphthalene-like odor, medium dense, wet
40-42'		40-42'	1025 ppm 1505 ppm 785 ppm 1687 ppm		Brown, fine-medium-coarse SAND w/trace fine gravel, strong naphthalene-like odor, loose, wet
42-44'		42-44'	2000+ ppm		Brown, medium-coarse SAND w/fine gravel, strong naphthalene-like odor, loose, wet
46-48'		46-48'	735 ppm 946 ppm 623 ppm 465 ppm		Light brown, fine-medium-coarse SAND, strong naphthalene-like odor, loose, wet
50-52'		50-52'	217 ppm 507 ppm 766 ppm 751 ppm		Orange-brown, fine-medium-coarse SAND w/fine gravel, strong naphthalene-like odor, loose, wet
54-56'		54-56'	0.0 ppm		Brown, fine-medium SAND, loose, wet (liner broke, little sample left placed in plastic bag)
58-60'		58-60'	50.7 ppm 399 ppm 121 ppm 128 ppm		Yellowish orange-brown, medium-coarse SAND w/trace fine gravel, moderate naphthalene-like odor, loose, wet Base of boring - 60 ft.



Site Id: HISB-34

Location: Hempstead

Purpose: Soil Boring

Date(s): 09/27/00 - 09/29/00

Total Depth: 132.00'

Remarks: Samples selected for analysis at 6-8', 18-20', 28-30', and 66-68'.

Elevation: 70.73'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Hollow Stem Auger

Contractor: Delta Well & Pump

Borehole Dia.: 10.25in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-2'					Concrete
2-4'			14 ppm 42 ppm		Tan, fine-coarse SAND w/some fine gravel
4-6'			64 ppm 44 ppm		Tan-brown, fine-coarse SAND w/some fine gravel
6-8'			8.1 ppm 5.2 ppm		Same as above
8-10'			5.4 ppm 27.9 ppm		Same as above
10-12'			12 ppm 25 ppm		Same as above
12-14'			55 ppm 31 ppm 39 ppm		Tan-brown, fine-coarse SAND w/some black gravel, slight hydrocarbon-like odor
14-16'			25 ppm 20 ppm		Brown, fine-coarse SAND w/fine gravel
16-18'			0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/fine gravel, hydrocarbon-like odor, possible black stained gravel
18-20'			295 ppm 224 ppm 218 ppm		Brown, fine-coarse SAND w/fine gravel, hydrocarbon-like odor, some brown-black staining, moist
20-22'			233 ppm 157 ppm		Brown-black, fine-coarse SAND w/some fine gravel, trace coarse gravel, hydrocarbon-like odor, intermittent black staining, moist
22-24'			229 ppm 368 ppm		Black, fine-coarse SAND w/trace fine gravel, hydrocarbon-like odor, stained, moist
24-26'			210 ppm 319 ppm 447 ppm		Same as above
26-28'			201 ppm 189 ppm		Black, fine-medium SAND w/trace fine gravel, hydrocarbon-like odor, stained, moist
28-30'			230 ppm 364 ppm		Bk, fine-medium SAND w/trace c gravel, hydrocarbon-like odor, stained, moist
					Brown, v fine-fine SAND, med dense, NAPL, hydrocarbon-like odor, moist-wet

Location: Hempstead	Site Id: HISB-34
Purpose: Soil Boring	Total Depth: 132.00'
Consulting Firm: Dvirko & Bartilucci	Borehole Dia.: 10.25in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		30-32'	372 ppm		Br, v fine-fine SAND, NAPL, stained, hydrocarbon-like odor, med dense, wet
		32-34'	289 ppm 134 ppm 101 ppm		Gray-brown, sandy SILT w/fine-med sand, hydrocarbon-like odor, intermittent staining, slightly stiff, slightly plastic
35		34-36'	90 ppm 350 ppm 56 ppm		Brown, fine SAND, to gray, fine-coarse sandy GRAVEL (at 35.75'), medium dense to loose, naphthalene-like odor, slight staining, sheen, wet
		36-38'	5 ppm		Gray-brown, fine sandy GRAVEL w/some coarse gravel, dense, slight naphthalene-like odor, wet
		38-40'	3.4 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/trace coarse sand and fine gravel, medium dense, wet
40		40-42'	0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/trace fine gravel, medium dense, wet
		42-44'	0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/trace coarse sand, fine gravel, medium dense, wet
45		44-46'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		46-48'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, gravelly fine-coarse SAND w/fine gravel, medium loose, wet
		48-50'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
50		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, medium dense, wet
		52-54'	0.0 ppm 0.0 ppm		Light brown, fine-coarse SAND w/some fine gravel, loose, wet
55		54-56'	0.0 ppm 0.0 ppm		Same as above
		56-58'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine-coarse SAND w/some fine gravel, loose, wet
		58-60'	0.0 ppm 0.0 ppm		Lt brown-orange brown, fine-coarse SAND w/some fine gravel, wet
60		60-62'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Lt brown-orange brown, fine-coarse SAND w/fine gravel and some coarse gravel, wet
		62-64'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, gravelly fine-coarse SAND w/fine gravel, wet
		64-66'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine SAND, medium dense, wet
65		64-66'	0.0 ppm 0.0 ppm		Brown, SILT, very stiff, non-plastic, moist
		66-68'	0.0 ppm 0.0 ppm		Light orange-brown, gravelly fine SAND, loose-medium dense, wet
		66-68'	0.0 ppm 0.0 ppm		Brown-gray, fine SAND, wet, loose
		68-70'	0.0 ppm 0.0 ppm		Tan-gray, fine-medium SAND w/tan silt lens at 69', wet

Location: Hempstead		Site Id: HISB-34
Purpose: Soil Boring		Total Depth: 132.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 10.25in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		70-72'	0.0 ppm		Brown, fine-medium SAND w/orange-brown clay lens at 70.5', wet
		72-74'	0.0 ppm 0.0 ppm 0.0 ppm		Tan-gray, fine SAND, wet
		74-76'	0.0 ppm 0.0 ppm 0.0 ppm		Tan-gray, very fine-fine SAND, clay lens at 74.75', wet
		76-78'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Tan-gray to orange-brown, very fine-fine SAND w/orange-brown clay lens at 76', medium dense, wet
		78-80'	0.0 ppm 0.0 ppm 0.0 ppm		Tan-gray, silty very fine-fine SAND w/orange-brown clay lens at 78.75', dense-medium dense, wet
		80-82'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, silty very fine SAND, medium dense, dark brown-gray banding, wet
		82-84'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		84-86'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		86-88'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		88-90'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		90-92'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, clayey SILT, soft, plastic, black banding, moist
		92-94'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty very fine-fine SAND
		94-96'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown to orange-brown, silty SAND w/some clay, dense-medium dense, wet
		96-98'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		98-100'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty very fine-fine SAND w/black-gray banding, medium dense, wet
		100-102'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown-gray, very fine-fine SAND w/interbedded black-brown silty clay, dense-medium dense, wet
		102-104'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		104-106'	0.0 ppm 0.0 ppm		Same as above
		106-108'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty very fine-fine SAND w/trace clay, medium dense, black-gray banding, wet
		108-110'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above

Location: Hempstead		Site Id: HISB-34
Purpose: Soil Boring		Total Depth: 132.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 10.25in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		110-112'	0.0 ppm 0.0 ppm 0.0 ppm		Br, silty v fine-fine SAND w/trace clay, med dense, black-gray banding, wet
		112-114'	0.0 ppm 0.0 ppm 0.0 ppm		Brown-orange brown, very fine-fine SAND w/some silt, trace clay, gray-black banding, medium dense, wet
		114-116'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
115		116-118'	0.0 ppm 0.0 ppm 0.0 ppm		Orange brown-black, sandy CLAY, soft, plastic, gray sand lenses, moist
		118-120'	0.0 ppm 0.0 ppm 0.0 ppm		Dk brown, CLAY w/gray sand lenses, semi-soft, non-plastic, almost dry
120		120-122'	0.0 ppm 0.0 ppm 0.0 ppm		Dk brown, CLAY, brittle, slightly plastic, very thin gray fine sand lenses, almost dry
125					
		128-130'	0.0 ppm 0.0 ppm 0.0 ppm		Gray, fine sandy CLAY, soft, plastic, moist
130		130-132'	0.0 ppm 0.0 ppm 0.0 ppm		Black-gray, sandy CLAY, soft, slightly plastic, moist
					Base of boring - 132 ft.
135					
140					
145					



Site Id: HISB-35
Location: Hempstead
Purpose: Soil Boring
Date(s): 08/17/00 - 08/17/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 6-8', 14-16', 28-30', and 58-60'.

Elevation: 71.54'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Hand Auger 0-4', Direct Push 4-60'
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm		Brown, sandy FILL w/fine-coarse gravel, loose, dry (difficulty clearing hole, a lot of rocks and thick asphalt)
4-8'			190 ppm 1029 ppm 929 ppm 452 ppm 587 ppm 566 ppm 919 ppm 542 ppm 362 ppm 768 ppm 273 ppm 1105 ppm 550 ppm 468 ppm 679 ppm 470 ppm 384 ppm 103 ppm 447 ppm 679 ppm 387 ppm 527 ppm 1043 ppm		Brown-bk, clayey SILT w/trace f gravel, plastic, staining, odor, soft, moist Brownish-black, medium-coarse SAND w/fine-coarse gravel, staining, odor, loose, moist
8-12'					Same as above, some fine gravel, heavy black staining, strong odor HCN = 0.2 ppm @ 8.5' and 0.3 ppm @ 9'
12-16'					Tan, medium SAND, staining throughout, odor, loose, moist Light brown, medium-coarse SAND, staining throughout, odor, loose, moist
16-20'			640 ppm 764 ppm 673 ppm 501 ppm 436 ppm 1188 ppm 219 ppm		Light brown, med-coarse SAND w/f gravel, staining throughout, loose, moist Dark black, medium-coarse SAND w/fine gravel, heavy black staining, petroleum-like odor, loose, moist
20-24'			492 ppm 214 ppm 437 ppm 177 ppm 139 ppm 658 ppm 278 ppm		Brown-black, med-coarse SAND w/f gravel, petroleum-like odor, loose, moist Dark black, medium-coarse SAND w/fine gravel, heavy black staining, petroleum-like odor, loose, moist
24-28'			982 ppm 1618 ppm 1068 ppm 621 ppm 990 ppm 982 ppm		Bk, med-coarse SAND w/f gravel, strong petroleum-like odor, loose, moist Tan-yellow orange, med-coarse SAND, strong petroleum-like odor, loose, moist Light brown-yellowish orange, medium-coarse SAND, black banding at 26', strong naphthalene-like odor, loose, moist
28-32'			550 ppm 1681 ppm 411 ppm 1595 ppm		Red-light brown, fine-coarse SAND w/trace fine gravel, black banding at 29' and 30', strong naphthalene-like odor, loose, moist



Site Id: HISB-36

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/28/00 - 07/28/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 4-6', 18-20', 28-30', and 58-60'.

Elevation: 67.66'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Hand Auger 0-4', Direct Push 4-60'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm		FILL, blacktop/asphalt (top 1") Brown, fine-coarse SAND w/some fine-coarse gravel, loose, dry
4-8'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, fine-coarse SAND w/some fine gravel, loose, dry
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange brown, fine-coarse SAND w/fine gravel, trace coarse gravel, loose, dry
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/some fine gravel, loose, moist
16-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 6.1 ppm		Brown, fine-medium SAND w/some coarse sand and fine-coarse gravel, loose, moist
20-24'			601 ppm 550 ppm 610 ppm 1200 ppm 513 ppm 485 ppm		Brown, fine-coarse SAND w/some fine-coarse gravel, heavy hydrocarbon-like odor, loose, moist HCN = 0.2 ppm @ 20' and 0.3 ppm @ 20.5' HCN = 0.2 ppm @ 22' and 0.3 ppm @ 22.5'
24-28'			919 ppm 1440 ppm 995 ppm 1396 ppm 1878 ppm 1452 ppm		Brown, fine-medium SAND w/some coarse sand and fine gravel, black banding, heavy hydrocarbon-like odor, loose, moist HCN = 1.3 ppm @ 26.5' HCN = 7.3 ppm @ 29.5'
28-30'			908 ppm 1102 ppm 2000+ ppm 2000+ ppm		Brown, fine-medium SAND, medium dense, heavy hydrocarbon-like odor, intermittent black NAPL, moist (wet at 29')

Location: Hempstead		Site Id: HISB-36
Purpose: Soil Boring		Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'			1196 ppm 785 ppm 256 ppm 100 ppm 254 ppm 189 ppm 117 ppm 66 ppm		Brown, fine-medium SAND, medium dense, heavy hydrocarbon-like odor, intermittent black NAPL, wet Brown, fine-medium SAND, dense, hydrocarbon-like odor, wet
36-40'			45 ppm 48 ppm 98 ppm 89 ppm 75 ppm 53 ppm		Brown, fine-coarse SAND w/fine-coarse gravel, medium dense, hydrocarbon-like odor, silt layer w/fine-coarse gravel (36.5-37'), wet
40-44'			50 ppm 30 ppm 50 ppm 100 ppm 80 ppm 70 ppm		Brown, fine-coarse SAND w/some fine gravel, medium dense, naphthalene/hydrocarbon-like odor, wet
44-48'			1.3 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine-medium SAND w/some coarse sand and fine gravel, medium dense, slight naphthalene-like odor, wet
48-52'			0.0 ppm 15.5 ppm 21 ppm 25 ppm		Brown, fine-coarse SAND w/some fine gravel, medium dense, slight naphthalene/hydrocarbon-like odor, iron staining, wet
52-56'			0.0 ppm		Brown to orange-brown, fine-coarse SAND w/some fine gravel, slight naphthalene-like odor, loose (composite sample)
56-60'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light orange brown, fine-coarse SAND w/some fine gravel, medium dense, wet
60					Base of boring - 60 ft.



Site Id: HISB-37

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/01/00 - 08/03/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 8-10', 18-20', 28-30', and 58-60'.

Elevation: 67.84'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Hand Auger 0-4', Direct Push 4-60'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm		Brown, silty sandy GRAVEL, loose, moist
4-8'			35 ppm 85 ppm 155 ppm 330 ppm		Light orange, fine-coarse SAND w/some fine-coarse gravel, slight hydrocarbon-like odor, loose, dry
8-12'			50 ppm 65 ppm 80 ppm 82 ppm 93 ppm 75 ppm 93 ppm 110 ppm		Brown, fine-medium SAND w/some coarse sand lenses, trace fine gravel, hydrocarbon-like odor, intermittent black bands, loose, dry HCN = 0.3 ppm @ 10'
12-16'			10.7 ppm		Brown, fine-coarse SAND w/some fine gravel, slight hydrocarbon-like odor, loose, dry (composite sample)
16-20'			590 ppm 860 ppm 1400 ppm 2000+ ppm 2000+ ppm 1800 ppm		Light orange-brown, fine-coarse SAND w/some fine gravel, heavy hydrocarbon-like odor, brown staining, loose, moist HCN = 0.3 ppm @ 16', 0.5 ppm @ 16.5', and 0.6 ppm @ 17' HCN = 0.8 ppm @ 17.5', 0.7 ppm @ 18', and 0.6 ppm @ 18.5'
20-24'			1800 ppm 2000+ ppm 2000+ ppm 2000+ ppm		Light orange, fine-coarse SAND w/some fine gravel, heavy hydrocarbon-like odor, brown staining, black banding, loose, moist HCN = 0.4 ppm @ 20' and 0.8 ppm @ 20.5' HCN = 26 ppm @ 21' and 24 ppm @ 21.5'
24-28'			1100 ppm 2000+ ppm 2000+ ppm 1700 ppm 1650 ppm 2000+ ppm		Brown, fine-coarse SAND w/some fine-coarse gravel, heavy hydrocarbon-like odor, black banding, loose, moist HCN = 0.2 ppm @ 24', 0.6 ppm @ 24.5', and 3.2 ppm @ 26' HCN = 14.3 ppm @ 26.5', 16.8 ppm @ 27', and 21 ppm @ 28'
28-30'			2000+ ppm 2000+ ppm 2000+ ppm 750 ppm		Brown-bk, fine SAND, NAPL, heavy hydrocarbon-like odor, med dense, sheen, moist-wet HCN = 27 ppm @ 28.5' and 21 ppm @ 29.5'

Location: Hempstead	Site Id: HISB-37
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
			950 ppm 1100 ppm		Brown-bk, fine SAND, NAPL, heavy hydrocarbon-like odor, medium dense, sheen, wet HCN = 17 ppm @ 30' and 30.5'
		32-36'	130 ppm 90 ppm 100 ppm 105 ppm		Brown, fine-medium SAND, hydrocarbon-like odor, medium dense, wet HCN = 0.3 ppm @ 33' HCN = 0.6 ppm @ 33.5'
35		36-40'			No recovery
40		40-42'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND, medium dense, wet
		42-44'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/some fine gravel, loose, wet
45		44-46'	30 ppm 23 ppm 29 ppm		Light brown, fine-coarse SAND w/some iron banding, slight naphthalene-like odor, loose, wet
		46-48'	21 ppm 7 ppm 2 ppm 3 ppm		Brown-orange brown, fine-medium SAND, slight naphthalene-like odor, medium dense, wet
		48-50'	1 ppm 1 ppm 0.7 ppm 1 ppm		Brown, fine-medium SAND, trace fine gravel, medium dense, wet
50		50-52'	101 ppm 41 ppm 75 ppm		Brown-light brown, fine-medium SAND, trace coarse sand, hydrocarbon-like odor, medium dense, wet
		52-54'	60 ppm 45 ppm 51 ppm		Brown, fine-medium SAND w/coarse sand, trace fine gravel, hydrocarbon-like odor, medium dense-loose, wet
		54-56'	20 ppm 9 ppm 8 ppm		Brown, fine-medium SAND w/coarse sand, medium dense, wet
55		56-58'	3 ppm		Brown, fine-medium SAND, trace coarse sand, medium dense, wet
		58-60'	81 ppm 65 ppm 53 ppm		Brown, fine-coarse SAND, medium dense, naphthalene-like odor, wet
60					Base of boring - 60 ft.



Site Id: HISB-38

Location: Hempstead

Purpose: Soil Boring

Date(s): 07/28/00 - 07/28/00

Total Depth: 63.00'

Remarks: Samples selected for analysis at 6-8', 16-18', 24-26', and 61-63'.

Elevation: 69.54'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Hand Auger 0-4', Direct Push 4-63'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
4-8'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Tan-orange-light brown, medium-coarse SAND w/some fine gravel, loose, dry
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown-yellowish orange, medium-coarse SAND w/fine gravel, loose, dry Orange-yellowish orange, medium-coarse SAND w/fine gravel, loose, dry Yellow-orange-tan, medium-coarse SAND, loose, dry
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, medium-coarse SAND w/some fine-coarse gravel, loose, dry
16-20'			3.2 ppm 7.3 ppm 14.7 ppm 10.7 ppm 25.3 ppm		Light-dark brownish orange, medium-coarse SAND w/fine gravel, minor dark bk band at 16.5', staining and naphthalene-like odor at 18.5', loose, moist
20-24'			614 ppm 846 ppm 634 ppm 131 ppm		Tan-light brown, medium SAND w/fine gravel, strong naphthalene-like odor, coal tar staining at 20', loose, moist HCN = 0.5 ppm @ 21.5' HCN = 0.3 ppm @ 22'
24-28'			49.0 ppm 51.3 ppm 870 ppm 1102 ppm		Orange-brown, medium-coarse SAND, coal tar staining from 25-26', strong naphthalene-like odor, loose, moist
28-30'			1708 ppm 344 ppm 119 ppm		Dark brown, fine-medium SAND, minor staining at 28.75', strong naphthalene-like odor, loose, wet

Location: Hempstead	Site Id: HISB-38
Purpose: Soil Boring	Total Depth: 63.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30		30-32'	101 ppm 1201 ppm 176 ppm		Tannish brown, fine-very fine SAND, reddish brown staining at 31', strong naphthalene-like odor, sheen, wet
32		32-34'	92.9 ppm 46.9 ppm 42.8 ppm 41.2 ppm		Brownish tan, fine-very fine SAND, naphthalene-like odor, medium dense, wet
34		34-36'	41 ppm 9.3 ppm 16.4 ppm 19.6 ppm 44.8 ppm		Tan, fine-coarse SAND w/gravel, naphthalene-like odor, wet Brown, silty SAND, naphthalene-like odor, medium dense, wet
36		36-38'	18.0 ppm 0.0 ppm 0.0 ppm		Same as above Tannish-brown, fine-medium-coarse SAND, gravel layer at 37', naphthalene-like odor, loose, wet
38		38-40'	1.6 ppm 12.6 ppm 35.5 ppm 11.0 ppm		Same as above, medium
40		40-42'	19.3 ppm 10.2 ppm 28.6 ppm 15.1 ppm		Tan, medium-coarse SAND, naphthalene-like odor, loose, wet Light brownish-orange, medium SAND, naphthalene-like odor, loose, wet
45					
47		47-49'	0.0 ppm 0.0 ppm 0.0 ppm		Tan-brown, fine-medium SAND w/gravel, loose, wet Tan-brown, fine-medium SAND, 4" layer of reddish-orange medium sand at 48', loose, wet
50					
54		54-56'	0.0 ppm 0.0 ppm 0.0 ppm		Tan-brown, fine-medium SAND w/fine gravel, loose, wet
60					
61		61-66'	0.0 ppm 0.0 ppm		Tan-brown, fine-coarse SAND, loose, wet
63					Base of boring - 63 ft.



Site Id: HISB-39

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/01/00 - 08/02/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 6-8', 18-20', 28-29', and 58-60'.

Elevation: 69.05'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Hand Auger 0-4', Direct Push 4-60'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
5		4-8'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, medium-coarse sandy FILL, loose, dry Brown-red brown, med-coarse sandy FILL, trace coal fragments, loose, moist Orange-red orange, medium-coarse SAND w/trace fine gravel, loose, moist
10		8-12'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Reddish orange-brown, medium-coarse SAND w/trace fine gravel, loose, dry Orange-brown, fine-medium-coarse SAND, loose, dry Yellowish orange-brown, fine-medium-coarse SAND, loose, dry Light brown-yellowish orange, fine-medium-coarse SAND, loose, dry
15		12-16'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown orange-red brown, med-coarse SAND w/trace f gravel, loose, dry Yellowish-orange brown, medium-coarse SAND w/trace fine gravel, loose, dry Reddish-orange brown, medium-coarse SAND w/trace fine gravel, loose, moist Brownish-orange, medium-coarse SAND w/fine-coarse gravel, loose, moist
20		16-20'	23.8 ppm		Orange-brown, medium-coarse SAND w/trace coarse gravel, slight naphthalene-like odor, minor black staining, loose, moist (liner broke, sample placed in plastic bag)
25		20-24'	247 ppm 437 ppm 450 ppm 703 ppm		Brown, medium-coarse SAND w/fine gravel, strong naphthalene-like odor, loose, moist HCN = 0.5 ppm @ 22'
28		24-28'	700 ppm 1070 ppm 1212 ppm 553 ppm 583 ppm 879 ppm		Brown, fine-medium SAND w/fine-coarse gravel, strong naphthalene-like odor, loose, moist
33		28-33'	2000+ ppm		Light brown, fine-medium SAND, strong naphthalene-like odor, loose, moist Gray-tan, silty SAND, staining, strong naphthalene-like odor, med dense, wet

Location: Hempstead		Site Id: HISB-39
Purpose: Soil Boring		Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
					(liner broke on 28-32' interval, sample placed in plastic bag)
		32-34'	16.1 ppm 59.7 ppm 28.1 ppm		Brown, fine-med SAND, bk staining, strong naphthalene-like odor, loose, wet
		34-36'	26.9 ppm 22.9 ppm 7.4 ppm		Brown, silty fine SAND w/trace gravel, odor, staining, wet
35		36-38'	36.7 ppm 93.1 ppm 37.3 ppm		Brown, medium-coarse SAND w/fine gravel in bottom .75', black staining, naphthalene-like odor, loose, wet
		38-40'	13.7 ppm 37.0 ppm 55.9 ppm		Black, silty med-coarse SAND w/f gravel, naphthalene-like odor, loose, wet
		40-42'	8.7 ppm 39.2 ppm 32.4 ppm 26.5 ppm		Black, fine-medium-coarse SAND, staining, naphthalene-like odor, loose, wet
40		42-44'			Same as above, brown (no staining)
		44-46'			Brown, fine-medium SAND, loose, wet
		46-48'	6.8 ppm		Orange-light brown, fine-medium SAND w/trace fine gravel, loose, wet
45		48-50'			No recovery
		55-57'	0.0 ppm		No recovery
55		58-60'	0.0 ppm		Light brown, fine-medium-coarse SAND, loose, wet (liner broke, sample placed in plastic bag)
					Light brown, medium-coarse SAND w/trace gravel, loose, wet (liner broke sample placed in plastic bag)
60					Base of boring - 60 ft.



Site Id: HISB-40

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/03/00 - 08/04/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 6-8', 16-18', 26-28', 32-34', and 58-60'.

Elevation: 71.93'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Hand Auger 0-6', Direct Push 6-60'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-6'					Dark black, medium SAND, staining, odor, loose, moist
5					Dark brown, sandy CLAY, petroleum-like odor, very soft, plastic, moist
6-8'			0.2 ppm 0.4 ppm 0.9 ppm 0.3 ppm 0.7 ppm		Light brown, silty CLAY, petroleum-like odor, plastic, very soft, moist
8-12'			0.4 ppm 0.4 ppm 0.3 ppm		Tan, medium-coarse SAND w/fine-coarse gravel, loose, dry
10					Light brown, medium-coarse SAND w/fine-coarse gravel, loose, dry
12-16'			1.2 ppm 0.7 ppm 1.1 ppm 1.9 ppm 2.4 ppm 1.0 ppm		Same as above
15					Light brownish-orange, medium-coarse SAND w/trace fine gravel, loose, dry
16-20'			2.3 ppm 5.3 ppm 85.3 ppm 51.4 ppm 132 ppm		Same as above, tan-light brownish orange
20					Brownish-orange, medium-coarse SAND, loose, dry
20-24'			59.3 ppm 161 ppm 264 ppm 272 ppm		Brownish-orange, med-coarse SAND, w/fine-coarse gravel, black staining, hydrocarbon-like odor, moist at 17.5'
25					Brownish-orange, medium-coarse SAND, heavy black staining, hydrocarbon-like odor, loose, moist
24-26'			249 ppm 176 ppm 158 ppm		Brownish-orange, medium-coarse SAND w/trace gravel, black staining, hydrocarbon-like odor, loose, moist
26-28'			1278 ppm 375 ppm 107 ppm		Light brown, medium-coarse SAND w/trace fine gravel, hydrocarbon-like odor, loose, moist
32-34'			380 ppm		Light brown, medium-coarse SAND, strong hydrocarbon-like odor, dark black staining, loose, wet HCN = 0.2 ppm @ 30' and 0.1 ppm @ 30.5'
58-60'					

Location: Hempstead		Site Id: HISB-40	
Purpose: Soil Boring		Total Depth: 60.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	640 ppm 414 ppm	○ ○	Red br, med-coarse SAND, bk banding at 31', heavy staining, hydrocarbon-like odor
32-34'		32-34'	615 ppm 530 ppm 525 ppm	○ ○	Lt brownish-orange, fine-medium SAND, coal tar staining, NAPL saturated, strong naphthalene/hydrocarbon-like odor, loose, wet
34-36'		34-36'	0.0 ppm 0.0 ppm	○ ○	Lt brownish-orange, medium-coarse SAND w/fine gravel, heavy staining, NAPL saturated, strong naphthalene/hydrocarbon-like odor, loose, wet
36-38'		36-38'	5.4 ppm 0.0 ppm	○ ○	Lt brownish gray-black, medium-coarse SAND w/trace f gravel, light staining, naphthalene/petroleum-like odor, loose, wet
38-40'		38-40'	7.4 ppm 2.7 ppm 0.0 ppm 0.0 ppm	○ ○	Bk-gray, fine-med-coarse SAND w/trace f gravel, slight naphthalene/hydrocarbon-like odor, loose, wet
40-42'		40-42'	9.7 ppm 669 ppm 163 ppm 61.8 ppm 5.7 ppm	○ ○	Same as above, light brown
42-44'		42-44'		○ ○	Br, fine-coarse SAND, NAPL, sheen, naphthalene/hydrocarbon-like odor, loose, wet
44-46'		44-46'	8.4 ppm 137 ppm 5.7 ppm 12.8 ppm 0.0 ppm	○ ○	Brown, fine-medium SAND, loose, wet
46-48'		46-48'	0.0 ppm 0.0 ppm 2.6 ppm 0.0 ppm	○ ○	HCN = 0.3 ppm @ 44.5' and 0.1 ppm @ 45'
48-50'		48-50'	10.8 ppm 13.0 ppm 9.6 ppm	○ ○	Brown, medium-coarse SAND w/trace fine gravel, 2" band of coal tar staining w/sheen and naphthalene-like odor, loose, wet
50-52'		50-52'	0.0 ppm 4.1 ppm 3.0 ppm 3.9 ppm	○ ○	Brown, fine-med-coarse SAND w/trace fine gravel, minor black staining, slight naphthalene-like odor, loose, wet
52-54'		52-54'	0.0 ppm 0.0 ppm	○ ○	Lt brownish-orange, fine-medium-coarse SAND w/fine gravel, loose, wet
54-56'		54-56'	10.6 ppm 4.0 ppm 0.0 ppm 9.6 ppm 0.0 ppm	○ ○	Lt brownish-orange, fine-medium-coarse SAND w/trace fine-coarse gravel, loose, wet
56-58'		56-58'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	○ ○	Lt brownish-orange, fine-medium-coarse SAND w/trace fine gravel, loose, wet
58-60'		58-60'	0.0 ppm 0.0 ppm 0.0 ppm	○ ○	Lt brownish-orange, fine-medium-coarse SAND w/fine gravel, loose, wet
60'					Base of boring - 60 ft.



Site Id: HISB-41

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/10/00 - 08/10/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 6-8', 18-20', 26-28', 34-36', and 58-60'.

Elevation: 70.88'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Hand Auger 0-4', Direct Push 4-60'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			25 ppm		Brown, fine TOPSOIL, trace fine gravel, loose, dry
4-8'			89 ppm 93 ppm 255 ppm 160 ppm 260 ppm 155 ppm		Brown, CLAY, soft, plastic, petroleum-like odor, moist Brown-gray, CLAY, soft, plastic, petroleum-like odor, moist
8-12'			270 ppm 225 ppm 66 ppm 5 ppm 11 ppm 3 ppm 6 ppm		Brown, fine-coarse SAND w/some fine gravel, petroleum-like odor, loose, moist
12-16'			14 ppm 160 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
16-20'			175 ppm 150 ppm 60 ppm 255 ppm 280 ppm 285 ppm 260 ppm		Same as above, trace fine gravel
20-24'			60 ppm 100 ppm 230 ppm 260 ppm 290 ppm 260 ppm 285 ppm		Brown, fine-medium SAND w/some coarse sand and fine gravel, petroleum-like odor, loose, moist
24-28'			435 ppm 172 ppm 506 ppm 634 ppm 576 ppm 1000 ppm 426 ppm		Brown to orange-brown, fine-coarse SAND w/some fine gravel, petroleum-like odor, loose, moist
28-32'			650 ppm 461 ppm 700 ppm 753 ppm		Brown, fine-coarse SAND w/some fine gravel, heavy petroleum-like odor, loose, wet

Location: Hempstead	Site Id: HISB-41
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'		32-36'	720 ppm 486 ppm 320 ppm 501 ppm 265 ppm 101 ppm		Brown, fine-coarse SAND w/some fine gravel, hydrocarbon-like odor, black NAPL, staining, loose, wet
36-40'		36-40'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand and fine gravel, loose, wet
40-44'		40-44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-light brown, fine-coarse SAND w/some fine gravel, loose, wet
44-48'		44-48'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/trace fine gravel, loose, wet
48-50'		48-50'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, silty fine-coarse SAND w/fine gravel, medium dense
53-55'		53-55'	0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet (composite sample)
58-60'		58-60'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, medium dense, wet
60					Base of boring - 60 ft.



Site Id: HISB-42

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/17/00 - 08/17/00

Total Depth: 60.00'

Remarks: Samples selected for analysis at 8-10', 16-18', 24-26', and 58-60'.

Elevation: 71.73'

Datum: Mean Sea Level

Logged By: J. Diamond

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm 0.0 ppm 0.0 ppm 80.9 ppm 345 ppm		Dk yellow br, silty med sandy TOPSOIL, rock fragments, NAPL HCN = 0.2 ppm @ .5' and 1' Dk yellow brown, silty CLAY w/fine gravel HCN = 0.6 ppm @ 2.5' and 0.5 ppm @ 3'
4-8'			0.0 ppm 0.0 ppm 16.7 ppm 0.0 ppm 0.0 ppm 8.8 ppm 39.5 ppm		Grayish black, med-v coarse SAND w/silt and clay, hydrocarbon-like odor Brown-black, silty micaceous CLAY HCN = 0.3 ppm @ 4' and 0.4 ppm @ 4.5' and 5'
8-12'			0.0 ppm 49.2 ppm 5.7 ppm 4.1 ppm 58.8 ppm 27.2 ppm		Mod yellowish brown, silty CLAY w/some f gravel to SAND at 7', some mica, med stiff HCN = 0.6 ppm @ 5.5', 0.3 ppm @ 7' and 0.6 ppm @ 8'
12-16'			103 ppm 7.4 ppm 4.1 ppm 1.0 ppm 2.1 ppm 1.6 ppm 23.3 ppm		Mod yellow br, coarse-v coarse SAND w/f gravel, staining, sheen, hydrocarbon-like odor HCN = 0.4 ppm @ 10' HCN = 0.3 ppm @ 10.5' and 11' HCN = 0.4 ppm @ 12' and 0.8 ppm @ 12.5'
16-20'			47.3 ppm 52.6 ppm 78.6 ppm 44.8 ppm 131.3 ppm		Moderate yellowish brown-dk yellowish orange-grayish orange, coarse-v coarse SAND, w/fine-coarse gravel, some mica, sl sheen and hydrocarbon-like odor HCN = 0.2 ppm @ 14'
20-24'			91.8 ppm 97.7 ppm 151.8 ppm 147 ppm 175 ppm 81.3 ppm		Grayish orange-dk yellowish brown, fine-v coarse SAND w/fine gravel, sheen, heavy staining, petroleum-like odor Mod yellowish brown, coarse SAND w/some v coarse sand, trace f gravel, petroleum-like odor, sheen, staining HCN = 0.3 ppm @ 20.5' and 0.6 ppm @ 21'
24-28'			347 ppm 221 ppm 1610 ppm 1125 ppm 625 ppm 50.6 ppm		Mod yellowish brown-dk yellowish orange, med-v coarse SAND w/fine-coarse gravel, some mica, trace silt, sheen, staining, petroleum-like odor HCN = 0.2 ppm @ 22'
28-32'			151 ppm 74.8 ppm 95.7 ppm 71.3 ppm		Mod yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, some mica, petroleum-like odor, intermittent zones of heavy staining and sheen Dk yellow orange, med-v coarse SAND w/some f gravel, sheen, petroleum-like odor, staining HCN = 0.5 ppm @ 25' and 0.8 ppm @ 26'
					Mod yellowish brown-grayish orange, coarse-very coarse SAND w/fine-coarse gravel, some mica, petroleum-like odor HCN = 2.1 ppm @ 28.5'

Location: Hempstead	Site Id: HISB-42
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
32-36'			151 ppm 152 ppm 159 ppm 113 ppm		Dk yellow br, v coarse SAND w/f-c gravel, NAPL, petroleum-like odor, sheen, staining Mod yellow br, f-c GRAVEL w/v coarse sand, sheen, petroleum-like odor, heavy staining Dusky-pale yellowish brown, coarse-v coarse SAND w/heavy staining, petroleum-like odor, sheen HCN = 0.5 ppm @ 32.5'
36-40'			21.3 ppm 44.2 ppm		Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, slight petroleum-like odor, wet
43-45'			10.3 ppm 64.3 ppm 50.4 ppm 52.5 ppm		Dark yellowish orange, medium-very coarse SAND w/fine-coarse gravel, wet
48-50'			18.6 ppm 30.9 ppm 42.2 ppm		Dark yellowish orange-grayish orange, medium-very coarse SAND w/fine-coarse gravel, some mica, wet
53-55'			39.3 ppm 42.7 ppm 35.3 ppm		Moderate yellowish brown, medium-very coarse SAND w/fine gravel, wet Dark yellowish orange, medium-coarse SAND, some mica, wet
58-60'			34.9 ppm 24.4 ppm 20.7 ppm		Mod yellowish brown, coarse-very coarse SAND w/fine-coarse gravel, some mica, wet Moderate yellowish brown, medium-coarse SAND w/some mica, wet
					Base of boring - 60 ft.



Site Id: HISB-43

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/07/00 - 08/08/00

Total Depth: 63.00'

Remarks: Samples selected for analysis at 0-2', 16-18', 26-28', and 61-63'.

Elevation: 71.35'

Datum: Mean Sea Level

Logged By: J. Schafer

Drilling Method: Hand Auger 0-4', Direct Push 4-63'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			0.0 ppm		Black, silty clayey FILL, coal, vesicular slag, brick, some gravel, wet at 1.5'
4-8'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty fine SAND, wet Red-brown, CLAY (at 3.5'), soft, plastic, moist Red-brown, CLAY, soft, semi-brittle, semi-plastic, moist Brown, silty fine-coarse SAND, loose, moist
8-12'			0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/fine gravel, loose, moist
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown-orange, fine-coarse SAND w/some fine gravel, loose, moist
16-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/some fine gravel, loose, moist
20-24'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, hydrocarbon-like odor, loose, moist
24-28'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/fine gravel, loose, moist
28-60'			0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/gravel, loose, moist

Location: Hempstead	Site Id: HISB-43
Purpose: Soil Boring	Total Depth: 63.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	5 ppm 6 ppm		Orange-br, f-m SAND, trace gravel, sl naphthalene-like odor, m dense, moist
32-34'		32-34'	5 ppm 0.0 ppm 4.3 ppm		Orange-brown, gravelly fine-coarse SAND w/fine gravel, slight naphthalene-like odor, loose, wet at 33'
34-36'		34-36'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/fine gravel, loose, wet
36-38'		36-38'	0.0 ppm		Same as above
38-40'		38-40'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND, trace coarse sand and fine gravel, loose, wet
40-42'		40-42'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine-coarse SAND, trace fine gravel, medium dense, wet
42-44'		42-44'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine-medium SAND, some fine gravel, medium dense, wet
45-47'		45-47'	0.0 ppm 0.0 ppm		Light brown, fine-coarse SAND, medium dense, wet
50-52'		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine-medium SAND, medium dense, wet
55-57'		55-57'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown, fine-medium SAND w/coarse sand, some fine gravel, medium dense, wet
61-63'		61-63'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty fine SAND, medium dense, wet
					Base of boring - 63 ft.



Site Id: HISB-44

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/09/00 - 08/10/00

Total Depth: 61.00'

Remarks: Samples selected for analysis at 6-8', 14-16', 24-26', and 59-61'.

Elevation: 71.53'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Hand Auger 0-4', Direct Push 4-61'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			60.7 ppm		Dark brown, silty CLAY, strong naphthalene-like odor, very soft, moist
4-8'			33.5 ppm 28.9 ppm 41.7 ppm 72.5 ppm 43.1 ppm 60.1 ppm		Same as above Light brown, silty CLAY, strong naphthalene-like odor, very soft, moist
8-12'			25.9 ppm 0.0 ppm 0.0 ppm 38.8 ppm 31.9 ppm 0.0 ppm 0.0 ppm 4.6 ppm		Light brown-orange, med-coarse SAND w/fine-coarse gravel, minor black banding at 8.5', 10' and 11.5', naphthalene-like odor, loose, moist
12-16'			17.6 ppm 61.7 ppm 115 ppm 56.3 ppm 132 ppm 178 ppm 84.7 ppm		Light brown-orange, medium-coarse SAND w/fine gravel, minor staining at 12.5', black staining at 13-13.5', naphthalene-like odor, loose, moist
16-20'			2.2 ppm 6.8 ppm 3.9 ppm 2.2 ppm 125 ppm 4.7 ppm		Orange-brown, fine-medium-coarse SAND w/fine gravel, black banding at 16' and 17.5', naphthalene-like odor, loose, moist
20-24'			264 ppm		Orange-brown, fine-medium SAND, black staining, NAPL, strong naphthalene-like odor, loose, moist (liner broke, sample placed in plastic bag)
24-26'			415 ppm 685 ppm 595 ppm 325 ppm 225 ppm 1.35 ppm 0.0 ppm 11.5 ppm		Orange-brown, fine-medium-coarse SAND w/fine-coarse gravel, NAPL and staining from 25-26', strong naphthalene-like odor, loose, moist
26-28'					Orange-brown, medium-coarse SAND w/fine gravel, NAPL at 26', strong naphthalene-like odor, loose, moist
28-30'			139 ppm 4.5 ppm 0.0 ppm 0.0 ppm		Brown, medium-coarse SAND w/some fine sand, black staining at 28', moist Orange, m-c SAND w/f gravel, bk staining, naphthalene-like odor, loose, moist

Location: Hempstead		Site Id: HISB-44	
Purpose: Soil Boring		Total Depth: 61.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 2.00in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30		30-32'	0.0 ppm 0.0 ppm		Orange-brown, medium SAND w/trace fine and coarse gravel, 1" band of brown sandy CLAY w/black staining, naphthalene-like odor, loose, wet
32		32-34'	20.0 ppm 0.0 ppm 0.0 ppm		Orange, fine-coarse SAND w/fine gravel, loose, wet
34		34-36'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, fine-medium-coarse SAND w/fine gravel, loose, wet
36		36-38'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, light brown
38		38-40'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
45		45-47'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, fine-medium-coarse SAND w/trace fine gravel, loose, wet
52		52-54'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-tan, fine-medium-coarse SAND w/trace fine gravel, loose, wet
59		59-61'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-tan, fine-medium-coarse SAND w/fine-coarse gravel, loose, wet
61					Base of boring - 61 ft.



Site Id: HISB-45

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/07/00 - 08/08/00

Total Depth: 38.00'

Remarks: Samples selected for analysis at 6-8', 16-18', and 28-30'.

After probe crew collected the 36-38' sample, they encountered refusal at 30'.

Elevation: 71.73'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Hand Auger 0-4', Direct Push 4-38'

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'					Dark brown-orange, silty TOPSOIL w/trace fine-coarse gravel, loose, dry
4-8'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, TOPSOIL, organic material, loose, dry
8-12'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown, medium-coarse SAND w/fine-coarse gravel, loose, dry
12-16'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-tan, medium-coarse SAND w/fine-coarse gravel, loose, dry
16-20'			0.0 ppm 0.0 ppm 0.0 ppm		Light brown-yellowish tan, medium-coarse SAND w/fine-coarse gravel, loose, dry Orange, medium-coarse SAND w/fine-coarse gravel Yellowish orange, medium-coarse SAND, loose, dry
20-24'			0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, medium-coarse SAND w/fine gravel, dry, loose
24-28'			0.0 ppm		Light brown-orange, medium-coarse SAND w/trace fine gravel, loose, dry (liner broke, sample placed in plastic bag)
28-30'					Encountered difficulty collecting a sample at this interval with macro-core sampler
30-38'			0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, medium-coarse SAND w/fine-coarse gravel, loose, dry-moist

Location: Hempstead	Site Id: HISB-45
Purpose: Soil Boring	Total Depth: 38.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, fine-medium SAND w/fine-coarse gravel
32-34'		32-34'	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, medium-coarse SAND w/fine-coarse gravel, trace clay, loose, wet
34-36'		34-36'	0.0 ppm 0.0 ppm		Same as above, fine-medium-coarse, no clay
36-38'		36-38'	0.0 ppm 0.0 ppm		Same as above, light brown
					Base of boring - 38 ft.



Site Id: HISB-46

Location: Hempstead

Purpose: Soil Boring

Date(s): 08/21/00 - 08/21/00

Total Depth: 59.00'

Remarks: Samples selected for analysis at 1-3', 14-16', 28-30', and 48-50'.

Elevation: 64.52'

Datum: Mean Sea Level

Logged By: Schafer/Ryan

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'		18 ppm 4 ppm 9 ppm 65 ppm 45 ppm			Brown, sandy silty TOPSOIL, organic material, pine odor, soft, loose
4-8'		15 ppm 9 ppm 18 ppm 17 ppm 21 ppm 13 ppm			Orange-brown, silty fine-medium SAND w/some coarse sand, trace fine gravel, slight pine odor
8-12'		10 ppm 13 ppm 13 ppm 22 ppm 9 ppm 24 ppm			Orange-brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose, dry
12-16'		17 ppm 19 ppm 30 ppm 20 ppm 13 ppm 23 ppm 30 ppm 18 ppm			Orange-brown, silty fine SAND, earthy organic-like odor, medium dense, dry
16-20'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Orange-brown, fine-coarse SAND w/fine gravel, loose, dry
20-24'		0.0 ppm 0.0 ppm			Orange-brown, fine-coarse SAND w/some coarse gravel, loose, dry
24-26'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Orange-brown, fine-medium SAND w/trace fine gravel, loose, dry
26-28'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Orange-brown, very fine-fine SAND, medium dense, dry (wet at 25')
28-30'		0.0 ppm 0.0 ppm			Brown, very fine-fine SAND, medium dense, wet
30-32'		0.0 ppm 0.0 ppm			Same as above, minor coal tar staining at 28.5'

Location: Hempstead	Site Id: HISB-46
Purpose: Soil Boring	Total Depth: 59.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'	0.0	0.0 ppm	0.0 ppm		Lt brown-orange, very fine-fine SAND w/trace f gravel, med dense, wet
32-34'	0.0	0.0 ppm	0.0 ppm		Light brown-orange, fine-medium SAND, loose, wet
34-36'	0.0	0.0 ppm	0.0 ppm		Light brown-orange, fine-medium SAND, trace fine gravel, loose, wet
41-43'	0.0	0.0 ppm	0.0 ppm		Brown, fine-medium SAND w/trace fine gravel, loose, wet
48-50'	0.0	0.0 ppm	0.0 ppm		Light brown-orange, fine-medium SAND, loose, wet
55-57'	0.0	0.0 ppm	0.0 ppm		Orange-brown, v fine-fine SAND w/f gravel, loose, wet (liner broke)
57-59'	No recovery	Sample washed out			Light brown-gray, sandy CLAY, soft, plastic
					Base of boring - 59 ft.



Site Id: HISB-47
Location: Hempstead
Purpose: Soil Boring
Date(s): 08/23/00 - 08/23/00
Total Depth: 60.00'
Remarks: Samples selected for analysis at 4-6', 14-16', 28-30', and 58-60'. Overcast and humid conditions may have caused low PID readings in samples where there was no obvious odor.

Elevation: 70.91'
Datum: Mean Sea Level
Lagged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-4'			6.3 ppm 5.4 ppm 6.4 ppm 6.4 ppm 6.4 ppm		Dark brown-orange, TOPSOIL w/fine-coarse gravel, loose, dry
4-8'			3.5 ppm 2.2 ppm 2.5 ppm 1.5 ppm 1.9 ppm		Dark brown, sandy TOPSOIL w/fine gravel, loose, dry Dark brown-black, FILL w/fine gravel, trace coal fragments, loose, moist Light brown, medium sandy SILT w/fine gravel, loose, moist
8-12'			3.0 ppm 2.2 ppm 3.3 ppm 2.8 ppm 2.1 ppm 1.9 ppm 1.9 ppm 1.7 ppm		Light brown, fine-medium SAND w/trace fine gravel, loose, moist HCN = 0.3 ppm @ 9' HCN = 0.2 ppm @ 10.5' Brown-black, silty SAND w/fine gravel, loose, dry
12-16'			2.6 ppm 1.4 ppm 1.9 ppm 1.8 ppm 1.6 ppm 2.0 ppm 1.6 ppm 1.0 ppm 1.0 ppm		Light brown-orange, medium-coarse SAND, loose, moist HCN = 0.3 ppm @ 13' and 14' Yellow-orange, medium-coarse SAND, loose, moist Brown, medium SAND w/trace silt, fine gravel, loose, moist
16-20'			2.0 ppm 2.2 ppm 1.9 ppm 2.2 ppm 2.1 ppm 1.5 ppm		Light brown-yellowish orange, medium-coarse SAND w/fine gravel, loose, moist HCN = 0.2 ppm @ 16'
20-22'			1.9 ppm 1.0 ppm 2.0 ppm 2.0 ppm		Light brown, medium-coarse SAND w/trace fine gravel, loose, moist
22-24'			2.3 ppm 2.1 ppm 2.5 ppm		Light brown-tan, medium-coarse SAND, loose, moist
24-26'			1.4 ppm 1.4 ppm 1.2 ppm		Brown, medium-coarse SAND w/some fine sand, trace fine gravel, loose, moist
26-28'					No recovery
28-30'			27.2 ppm 247 ppm 48 ppm		Brown, f-m SAND, staining, bk banding, naphthalene-like odor, loose, moist Brown, silty very fine-fine SAND, naphthalene-like odor, medium dense

Location: Hempstead	Site Id: HISB-47
Purpose: Soil Boring	Total Depth: 60.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		30-32'	114 ppm 12.9 ppm 12.1 ppm 148 ppm 749 ppm		Brown, v fine SAND, staining, sheen, naphthalene-like odor, med dense, wet
		32-34'	135 ppm 28.2 ppm 330 ppm 30.8 ppm 37.6 ppm		Brown-tan, very fine-fine SAND, staining and NAPL (32-33'), strong naphthalene-like odor, medium dense, wet
35		34-36'	5.2 ppm 25.7 ppm		Tan, f-m SAND, heavy bk staining at 34', naphthalene-like odor, loose, wet
		36-38'			Orange br, v fine SAND w/trace clay, naphthalene-like odor, med dense, wet
		38-40'	12.4 ppm 11.1 ppm		Brown-tan, v fine-fine SAND, slight naphthalene-like odor, med dense, wet
40		40-42'	58.3 ppm 5.6 ppm 15.8 ppm		Tan, very fine-medium-coarse SAND w/trace fine gravel, slight naphthalene-like odor, loose, wet
		42-44'	70.8 ppm 75.7 ppm 70.1 ppm 82.5 ppm		Brown-orange, fine-medium-coarse SAND, trace fine gravel, slight naphthalene-like odor, loose, wet
		44-46'	7.4 ppm 38.0 ppm 57.9 ppm 19.4 ppm		Brown, medium-coarse SAND w/some fine sand, loose, wet
45		46-48'	7.6 ppm 11.6 ppm 29.9 ppm 23.6 ppm		Brown, very fine-coarse SAND, naphthalene-like odor, loose, wet
		48-50'	51.3 ppm 121 ppm 43.8 ppm 30.3 ppm 43.4 ppm		Brown, medium-coarse SAND w/some fine sand, trace fine gravel, naphthalene-like odor, loose, wet
50		50-52'	26.0 ppm		Same as above
		52-54'	100 ppm 51.6 ppm 31.0 ppm		Brown, fine-medium-coarse SAND w/trace fine gravel, naphthalene-like odor, loose, wet
		54-56'	0.5 ppm 7.4 ppm		Brown, very fine-fine-medium SAND w/trace fine gravel, naphthalene-like odor, loose, wet
55		56-58'	2.2 ppm 6.2 ppm 7.9 ppm 5.5 ppm 4.0 ppm 4.7 ppm 9.0 ppm 16.9 ppm		Brown, fine-medium-coarse SAND w/trace fine gravel, loose, wet
60		58-60'			Brown, fine-medium SAND, loose, wet
					Base of boring - 60 ft.



Site Id: HISB-48
Location: Hempstead
Purpose: Soil Boring
Date(s): 08/24/00 - 08/25/00
Total Depth: 62.00'
Remarks: Samples selected for analysis at 6-8', 12-14', 28-30', and 60-62'.

Elevation: 67.51'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Hand Auger 0-6', Direct Push 6-62'
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-6'	Black	0-6'	18.2 ppm	Small circles	Light brown, medium-coarse SAND w/fine gravel, loose, moist
6-10'	Black	6-10'	20.9 ppm	Small circles	Light brown, fine-medium SAND w/trace silt and very fine gravel, loose, dry (liner broke, sample placed in plastic bag)
10-14'	Black	10-14'	15.9 ppm 9.1 ppm 14.5 ppm 12.8 ppm 12.0 ppm 8.3 ppm 12.7 ppm	Small circles	Brown-orange, medium-coarse SAND w/fine gravel, loose, dry Orange, medium-coarse SAND w/fine-coarse gravel, black staining at 12.5', loose, dry Gray, sandy CLAY, soft, plastic
14-16'	Black	14-16'	9.4 ppm 17.5 ppm 20.0 ppm 6.9 ppm 5.7 ppm	Small circles	Light brown-orange, medium-coarse SAND w/fine-coarse gravel, loose, dry
16-18'	Black	16-18'	8.0 ppm	Small circles	Orange, medium-coarse SAND w/fine gravel, loose, dry
18-20'	White	18-20'		No symbols	No recovery
20-22'	Black	20-22'	16.3 ppm 5.6 ppm	Small circles	Reddish black, medium-coarse SAND w/fine gravel, apparent staining, loose, moist
22-24'	Black	22-24'	0.0 ppm 0.0 ppm 14.3 ppm	Small circles	Reddish orange, medium SAND, loose, moist Brown-orange, medium-coarse SAND, loose, moist
24-26'	Black	24-26'	0.0 ppm 0.0 ppm 0.0 ppm	Small circles	Orange, medium-fine SAND, moist, loose
26-28'	Black	26-28'	0.0 ppm 0.0 ppm 0.0 ppm	Small circles	Orange-brown, fine-medium SAND, loose, moist (wet at 26.8')
28-30'	Black	28-30'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Small circles	Brown, very fine-fine SAND, loose, wet Brown, silty very fine SAND at 29.5', medium dense, wet

Location: Hempstead	Site Id: HISB-48
Purpose: Soil Boring	Total Depth: 62.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'	0.0	0.0 ppm	0.0 ppm		Brown, silty very fine SAND, medium dense, wet
32-34'	0.0	0.0 ppm	0.0 ppm		Brown, very fine-fine SAND, loose, wet
34-36'	0.0	0.0 ppm	0.0 ppm		Brown, very fine SAND, loose, wet
36-38'					No recovery
38-40'		0.0 ppm			GRAVEL w/brown very fine-coarse sand, trace silt, loose, wet (liner broke, little sample left placed in plastic bag)
45-47'		6.4 ppm 101 ppm 32.3 ppm 40.3 ppm			Tan-brown, medium-coarse SAND, slight naphthalene-like odor, loose, wet
50-52'		47.5 ppm 35.8 ppm 39.1 ppm			Tan, fine-medium SAND w/trace fine gravel, slight naphthalene-like odor, loose, wet HCN = 0.2 ppm @ 51.5'
55-57'		18.2 ppm 18.7 ppm			Brown, fine-medium SAND, naphthalene-like odor, loose, wet HCN = 0.3 ppm @ 55.5'
60-62'		6.7 ppm 4.5 ppm 3.8 ppm			Brown, very fine-fine SAND, naphthalene-like odor, loose, wet HCN = 0.1 ppm @ 60.5'
					Base of boring - 62 ft.



Site Id: HISB-50
Location: Hempstead
Purpose: Soil Boring
Date(s): 09/08/00 - 09/08/00
Total Depth: 36.00'
Remarks: No samples were selected for analysis. Samples were to be taken only if significant visual impact was observed.

Elevation: 70.48'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
5					In accordance with scope of work, continuous soil sampling was conducted from approximately 10' above to 10' below water table.
10					
15					
16-20'	Black	16-20'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange brown, medium-coarse SAND w/fine gravel, minor black staining at 16' and 18', loose, dry	
20-24'	Black	20-24'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Yellow-orange, fine-medium-coarse SAND w/fine gravel, moist	
24-28'	Black	24-28'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, medium-coarse SAND w/some fine sand, fine gravel, moist, loose	
28.3'	Black	28.3'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, medium-coarse SAND w/some fine sand at 28.3', moist (wet at 28.8')	

Location: Hempstead	Site Id: HISB-50
Purpose: Soil Boring	Total Depth: 36.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
35		52 56	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, medium-coarse SAND, moist Brown-orange, fine-medium-coarse SAND w/fine gravel, loose, wet
36					Base of boring - 36 ft.



Site Id: HISB-51

Location: Hempstead

Purpose: Soil Boring

Date(s): 09/01/00 - 09/01/00

Total Depth: 38.00'

Remarks: No samples were selected for analysis. Samples were to be taken only if significant visual impact was observed.

Elevation: 69.31'

Datum: Mean Sea Level

Logged By: C. Poole

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
5					<p>In accordance with scope of work, continuous soil sampling was conducted from approximately 10' above to 10' below water table.</p>
10					
15					
20		20-22'	0.0 ppm 0.0 ppm		
22		22-24'	0.0 ppm 0.0 ppm 0.0 ppm		
24		24-26'	0.0 ppm 0.0 ppm		
26		26-28'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, no banding
28		28-30'	0.0 ppm 0.0 ppm		Same as above, FeO2 banding, yellow-orange color

Location: Hempstead	Site Id: HISB-51
Purpose: Soil Boring	Total Depth: 38.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	0.0 ppm		Yellow-orange-tan, med SAND w/some coarse sand, trace gravel, loose, wet
32-34'		32-34'	0.0 ppm 0.0 ppm		Tan-light brown, medium SAND w/little fine sand, trace coarse sand and gravel, loose, wet
34-36'		34-36'	0.0 ppm		Tan, medium SAND w/little fine sand and coarse sand, trace gravel, loose, wet HCN = 0.2 ppm @ 34'
36-38'		36-38'	0.0 ppm 0.0 ppm		Tan, medium SAND w/some fine sand, little coarse sand, trace fine gravel, loose, wet
					Base of boring - 38 ft.



Site Id: HISB-52
Location: Hempstead
Purpose: Soil Boring
Date(s): 09/11/00 - 09/11/00
Total Depth: 38.00'
Remarks: No samples were selected for analysis. Samples were to be taken only if significant visual impact was observed.

Elevation: 67.26'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description	
5					In accordance with scope of work, continuous soil sampling was conducted from approximately 10' above to 10' below water table.	
10						
12-16'	██████████		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Orange-brown, medium-coarse SAND w/fine gravel, loose, dry
16-20'	██████████		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Same as above, moist at 18.5'
20-24'	██████████		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Brown, medium-coarse SAND w/fine gravel, loose, moist
24-28'	██████████		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm			Brown, sandy SILT
28					Light brown-orange, fine-medium-coarse SAND w/trace fine-coarse gravel, loose, moist	
32-38'	██████████		0.0 ppm 0.0 ppm			Brown, fine-medium-coarse SAND, loose, wet

Location: Hempstead	Site Id: HISB-52
Purpose: Soil Boring	Total Depth: 38.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	0.0 ppm 0.0 ppm		Lt br-orange, fine-med-coarse SAND w/f gravel, charcoal gray discoloration, possible slight naphthalene-like odor, loose, wet
32-34'		32-34'	36.5 ppm 20.3 ppm		Brown, fine-medium-coarse SAND, naphthalene-like odor, loose, wet
34-36'		34-36'	26.9 ppm 25.4 ppm 43.1 ppm 23.3 ppm		Brown, fine-medium-coarse SAND w/trace fine gravel, naphthalene-like odor, loose, wet
55-58'		55-58'	6.0 ppm		Brown, fine-medium-coarse SAND w/charcoal gray discoloration, naphthalene-like odor, loose, wet
					Base of boring - 38 ft.



Site Id: HISB-53
Location: Hempstead
Purpose: Soil Boring
Date(s): 09/05/00 - 09/05/00
Total Depth: 36.00'
Remarks: No samples were selected for analysis. Samples were to be taken only if significant visual impact was observed.

Elevation: 64.21'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
					In accordance with scope of work, continuous soil sampling was conducted from approximately 10' above to 10' below water table.
16-20'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, medium-coarse SAND w/fine gravel, loose, dry
20-24'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, medium-coarse SAND w/trace fine gravel, some minor black staining at 21', 22.5', and 23', loose, dry
24-26'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, medium-coarse SAND w/trace fine gravel, slight naphthalene-like odor, loose, moist (wet at 25')
26-28'			0.0 ppm 0.0 ppm 0.0 ppm		Brown, medium-coarse SAND, minor black banding at 26.75', slight naphthalene-like odor, loose, wet
28-30'			0.0 ppm 0.0 ppm		Brown, fine-medium SAND, minor black banding at 28.5', slight naphthalene-like odor, loose, wet

Location: Hempstead	Site Id: HISB-53
Purpose: Soil Boring	Total Depth: 36.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'			No recovery
32-34'		32-34'			No recovery
35		5A 5B	0.0 ppm 0.0 ppm		Brown, fine-medium SAND, naphthalene-like odor, loose, wet
36					Base of boring - 36 ft.
40					
45					
50					
55					
60					
65					



Site Id: HISB-54

Location: Hempstead

Purpose: Soil Boring

Date(s): 11/09/00 - 11/09/00

Total Depth: 50.00'

Remarks: Samples selected for analysis at 18-20', 26-28', and 48-50'.

Elevation: 70.55'

Datum: Mean Sea Level

Logged By: B. Ryan

Drilling Method: Direct Push

Contractor: Zebra Environmental

Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-10					Drywell (0-10')
10-16'			0.0 ppm 0.0 ppm 0.0 ppm 43.4 ppm 260 ppm 244 ppm		Brown, fine-medium-coarse SAND w/minor black banding at 12', 12.5', and 13', hydrocarbon-like odor, loose, moist
16-20'			34.0 ppm 435 ppm 87.4 ppm 330 ppm 864 ppm 755 ppm 700 ppm		Yellow-orange-brown, fine-medium-coarse SAND w/trace fine-coarse gravel, 2" fine gravel layer at 18', black staining at 17.2', 18', and 18.5-19.5', naphthalene-like odor, loose, moist
20-24'			308 ppm 498 ppm 436 ppm 147 ppm 922 ppm 1126 ppm 809 ppm 639 ppm 827 ppm 2000+ ppm 537 ppm		Light brown-orange, fine-medium-coarse SAND w/trace fine gravel, black staining from 20.5-21' and 22-23', black banding from 23-24', naphthalene-like odor, loose, moist
24-26'			2000+ ppm 2000+ ppm 946 ppm		Light orange-brown, fine-medium-coarse SAND w/trace fine gravel, black banding at 24.5', naphthalene-like odor, loose, moist
26-28'			2000+ ppm 2000+ ppm 946 ppm		Orange-brown, fine-medium-coarse SAND w/fine gravel at 26', strong naphthalene-like odor, loose, moist
28-50'			1178 ppm 722 ppm 396 ppm		Orange-brown, fine-medium-coarse SAND w/trace fine gravel, minor black banding at 28.5', naphthalene-like odor, loose, moist

Location: Hempstead	Site Id: HISB-54
Purpose: Soil Boring	Total Depth: 50.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		30-32'	107 ppm 36.3 ppm		Orange-brown, medium-coarse SAND w/fine gravel, naphthalene-like odor, loose, moist (wet at 30.5')
		32-34'	51.3 ppm 15.2 ppm 2.9 ppm		Brown, fine-med SAND w/trace fine gravel, naphthalene-like odor, loose, wet
35		34-36'	36.7 ppm 16.1 ppm 16.2 ppm 5.9 ppm		Brown-orange, fine-medium-coarse SAND w/trace fine gravel, loose, wet
		36-38'	46.9 ppm 20.5 ppm 25.7 ppm		Same as above, mild naphthalene-like odor
		38-40'	23.5 ppm 0.0 ppm 0.0 ppm		Same as above, no odor
40		40-42'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Light brown-orange, fine-medium SAND w/some coarse sand, loose, wet
		42-44'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		44-46'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
45		46-48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
		48-50'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
50					Base of boring - 50 ft.



Site Id: HISB-55
Location: Hempstead
Purpose: Soil Boring
Date(s): 11/09/00 - 11/10/00
Total Depth: 56.00'
Remarks: Samples selected for analysis at 16-18', 28-30', 36-37', and 50-51'.

Elevation: 71.01'
Datum: Mean Sea Level
Logged By: B. Ryan
Drilling Method: Direct Push
Contractor: Zebra Environmental
Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-16'					Drywell (0-16') The drywell was full of water. All of the samples that were collected were pulled through this standing water. The water often caused the samples to get washed out when the sampler was being retrieved.
16-20'	Black		4.5 ppm 0.0 ppm 31.7 ppm 7.5 ppm 0.0 ppm	Small circles	Brown, fine-medium-coarse SAND w/trace fine gravel, sand was blackish-brown in upper .25', minor black banding at 17.5'
20-22'	Black		4.0 ppm 0.0 ppm 0.0 ppm	Small circles	Brown, fine-medium SAND, loose, moist
22-24'	Black		387 ppm 2000+ ppm 241 ppm	Small circles	Brown, fine-medium-coarse SAND w/fine gravel, minor black discoloration from 22-22.5', naphthalene-like odor, loose, moist
24-26'	Black		20.1 ppm 22.0 ppm 27.2 ppm	Small circles	Same as above, black discoloration throughout
26-28'	Black		914 ppm 457 ppm 539 ppm	Small circles	Same as above, no discoloration
28-30'	Black		269 ppm 102 ppm	Small circles	Brown-orange, fine-medium-coarse SAND w/trace fine gravel, light black discoloration, naphthalene-like odor, loose, moist

Location: Hempstead	Site Id: HISB-55
Purpose: Soil Boring	Total Depth: 56.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 2.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30	█	30-32'	0.0 ppm		Orange, fine-medium-coarse SAND w/trace fine gravel, mild naphthalene-like odor, loose, moist
32	█	32-34'	0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose, wet
34	█	34-36'			No recovery, sample washed out
36	█	36-38'	154 ppm 43.1 ppm		Brown, fine-medium SAND, heavy NAPL staining in upper .25', sheen, strong naphthalene-like odor, loose, wet
38	█	38-40'			No recovery, sample washed out
40	█	40-42'	6.4 ppm 2.0 ppm		Brown, fine-medium SAND w/trace fine gravel, loose, wet
42	█	42-44'			No recovery, sample washed out
44	█	44-46'	0.9 ppm		Brown, fine-medium SAND, mild naphthalene-like odor, loose, wet
46	█	46-48'			No recovery, sample washed out
48	█	48-50'			No recovery, sample washed out
50	█	50-53'	0.0 ppm 0.0 ppm		Light brown-orange, fine-medium-coarse SAND w/trace fine gravel, mild naphthalene-like odor, loose, wet
53	█	53-56'			No recovery, sample washed out
56					Base of boring - 56 ft.



Site Id: HIMW-01D

Date(s): 11/02/00 - 11/02/00

Datum: Mean Sea Level

Elevation: 69.39'

Measuring Point: 71.95'

Completed Depth: 124.00'

Total Depth: 152.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Schafer

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 26.00' to: 36.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 74.00' to: 84.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 112.00' to: 122.00'

Remarks: Includes well screens for monitoring wells:
 HIMW-01S, HIMW-01I and HIMW-01D
 Logged from boring HISB-14.

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-4'				Posthole excavated -- brown silty FILL w/brick		
4-6'			0.0 ppm	FILL, crushed red brick, some cement, blocky		
6-8'			0.0 ppm	Brown, silty FILL w/some fine gravel, red brick		
8-10'			0.0 ppm	Same as above, some wood fibers		
10-12'			87 ppm 111 ppm	Brown, silty FILL, some brick, black vesicular slag, cement, hydrocarbon-like odor, brown-black staining, dry-moist		
12-14'			114 ppm	Same as above		
14-16'			236 ppm	Brown, fine-coarse sandy FILL, wood, some fine gravel, hydrocarbon-like odor, loose, moist		
16-18'			446 ppm 208 ppm	Brown, fine-coarse SAND, hydrocarbon-like odor, intermittent black staining, loose, moist		
18-20'			130 ppm	Brown, fine-coarse SAND, hydrocarbon-like odor, black staining, loose, moist		
20-22'			300 ppm 281 ppm 443 ppm	Same as above		
22-24'			193 ppm 221 ppm 178 ppm	Brown, fine-medium SAND w/some coarse sand-fine gravel, hydrocarbon-like odor, slight black staining		
24-26'			254 ppm 283 ppm 201 ppm	Black, fine-medium SAND w/trace fine gravel, hydrocarbon-like odor, stained		
26-28'			301 ppm 261 ppm	Light brown, fine-medium SAND, hydrocarbon-like odor, some black staining, loose, moist		
28-30'			451 ppm 300 ppm 291 ppm 196 ppm	Brown, f-m SAND, NAPL saturated, hydrocarbon-like odor, stained, loose, moist Brown, very fine SAND, intermittent staining, hydrocarbon-like odor, med dense		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-01D
Location: Hempstead	Date(s): 11/02/00 - 11/02/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'			53 ppm 44 ppm	Brown, v fine-fine SAND w/f gravel, hydrocarbon-like odor, sl br staining,		
32-34'			34 ppm	Light brown, fine-medium SAND, hydrocarbon-like odor, loose, wet		
34-36'			15 ppm	Light brown, fine-coarse SAND w/fine-coarse gravel, slight hydrocarbon-like odor, loose, wet		
36-38'			15 ppm 10 ppm 8 ppm	Orange-brown, gravelly fine-coarse SAND w/fine-coarse gravel, medium dense, hydrocarbon-like odor, wet		
38-40'			8 ppm 0.9 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, trace coarse gravel, medium dense, hydrocarbon-like odor, wet		
40-42'			18 ppm 6 ppm 3 ppm	Same as above		
42-44'			6 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet		
44-46'			0.0 ppm	Same as above		
46-48'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/some coarse sand and fine gravel, loose, wet		
48-50'			0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
50-52'			0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/trace fine gravel, loose, wet		
52-54'			0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/trace fine gravel, loose, wet		
54-56'			0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
56-58'			45 ppm 57 ppm 82 ppm 289 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, hydrocarbon-like odor, dark brown NAPL from 57.25-58', loose, wet		
58-60'			18 ppm 85 ppm 63 ppm 0.0 ppm	Orange-brown to gray, fine-coarse SAND w/some fine gravel, loose-medium dense, hydrocarbon-like odor, intermittent to slight staining, sheen, wet		
60-62'			93 ppm 51 ppm 8 ppm 10 ppm	Brown-gray, fine-medium SAND, naphthalene-like odor, slight staining and sheen, loose, wet		
62-64'			0.0 ppm 0.0 ppm 0.0 ppm	Gray, fine-medium SAND, loose, wet		
64-66'			0.0 ppm 1.5 ppm 2.4 ppm	Tan, fine SAND, medium dense w/silty sand lens at 65', wet		
66-68'			0.0 ppm 0.0 ppm	Yellow-brown, silty fine SAND, loose, wet		
68-70'			12.6 ppm 2.5 ppm 3.1 ppm 141 ppm	Brown, fine SAND w/yellow silty sand, loose-medium dense, naphthalene-like odor, black NAPL at 69.75', sheen, wet		


Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-01D
Location: Hempstead	Date(s): 11/02/00 - 11/02/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'			190 ppm 63 ppm	Br-yellow, f SAND, naphthalene-like odor, br staining @ 71.25', sheen, loose		
72-74'			16 ppm 6 ppm 3 ppm 3 ppm	Brown-yellow-orange, very fine-fine SAND w/some silt, loose-medium dense, slight naphthalene-like odor, wet		
74-76'			90 ppm 43 ppm	Orange-brown, very fine-fine SAND, medium dense, naphthalene-like odor, slight brown staining, sheen, wet		
76-78'			1.7 ppm 5 ppm 10 ppm	Orange-brown, very fine-fine SAND, slight naphthalene-like odor and sheen, loose, wet		
78-80'			7 ppm	Same as above, no sheen		
80-82'			5 ppm 9 ppm	Orange-brown, very fine-fine SAND w/red and black banding, slight naphthalene-like odor, loose, wet		
82-84'			18 ppm 9 ppm	Brown, very fine-fine SAND w/some silt, medium dense, slight naphthalene-like odor, wet		
84-86'			0.3 ppm	Black-red-gray, very fine-fine SAND, orange-brown banding, medium dense, wet		
86-88'			0.0 ppm 0.0 ppm	Same as above		
88-90'			0.0 ppm 0.0 ppm 0.0 ppm	Same as above, no banding		
90-92'			0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
92-94'			0.9 ppm 0.5 ppm 0.0 ppm	Same as above		
94-96'			0.0 ppm 0.0 ppm 3.3 ppm	Orange-brown, very fine-fine SAND w/some silt, black-gray banding, loose, wet		
96-98'			0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
98-100'			0.0 ppm 0.0 ppm 0.0 ppm 125 ppm	Same as above, 0.2' band of NAPL at 99.75', naphthalene-like odor		
100-102'				No recovery		
102-104'			122 ppm 8 ppm 5 ppm 4 ppm	Same as above (94-96'), sl band of staining at 102.5', naphthalene-like odor		
104-106'			72 ppm 9 ppm 6 ppm	Tan-orange-brown, very fine-fine SAND w/some silt, gray-dark brown banding, naphthalene-like odor, brown NAPL lens at 104.5', wet		
106-108'			0.8 ppm	Brown-orange brown, very fine-fine SAND w/some silt, loose, wet		
108-110'			0.0 ppm 0.0 ppm 0.0 ppm 1.5 ppm	Brown-red, very fine-fine SAND w/red to brown to black banding, loose, wet		

Consulting Firm: Dvirko & Bartilucci	Site Id: HIMW-010
Location: Hempstead	Date(s): 11/02/00 - 11/02/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110		110-112'	0.0 ppm	Brown-red, very fine-fine SAND w/some silt, medium dense, wet		
		112-114'	0.0 ppm	Same as above, trace silt and mica		
115		114-116'	0.0 ppm 1.2 ppm	Brown, very fine-fine SAND w/trace silt and mica, medium dense, wet		
		116-118'	0.0 ppm 0.0 ppm	Orange-brown to red-brown to brown, very fine-fine SAND, medium dense, wet		
		118-120'	0.0 ppm 0.0 ppm	Brown-red, very fine-fine SAND w/some mica, medium dense, wet		
120		120-122'	0.0 ppm	Yellow brown, silty very fine SAND, medium dense, wet		
		122-124'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above Black, CLAY, micro gray v fine sand lenses, soft, moderately plastic, moist		
125		124-126'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		126-128'	0.0 ppm	Gray, v fine sandy SILT, soft, nonplastic, brown-black-gray banding, moist		
		128-130'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above, .25' black clay layer at 128'		
130		130-132'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above, no clay		
		132-134'	0.0 ppm 0.0 ppm 0.0 ppm	Gray-brown, CLAY w/some silt, soft, plastic Gray, sandy SILT w/v fine sand, soft, nonplastic, lt brown-bk bands, moist		
		134-136'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty CLAY, soft, semiplastic, moist Brown, SILT w/some very fine sand, soft, slightly plastic, moist		
135		136-138'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		138-140'	0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, sandy SILT w/very fine sand, soft, nonplastic, liquidy		
140		140-142'	0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, sandy SILT w/very fine sand, some clay, soft, nonplastic, moist		
		142-144'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, sandy SILT, soft, slightly plastic, liquid		
		144-146'	0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, sandy SILT, soft, slightly plastic, wet		
145		146-148'	0.0 ppm 0.0 ppm	Same as above		
		148-150'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, very fine-fine SAND w/some silt, medium dense, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-01D
Location: Hempstead	Date(s): 11/02/00 - 11/02/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
152		152 - 152	0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, very fine-fine SAND w/some silt, medium dense, wet Base of boring - 152 ft.		



Site Id: HIMW-02D

Date(s): 10/13/00 - 10/16/00

Datum: Mean Sea Level

Elevation: 71.73'

Measuring Point: 74.13'

Completed Depth: 116.00'

Total Depth: 130.50'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Diamond

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 28.00' to: 38.00'
 type: Slotted size: 0.020in dia: 2.00in fm: 78.00' to: 88.00'
 type: Slotted size: 0.020in dia: 2.00in fm: 104.00' to: 114.00'

Remarks: Includes well screens for monitoring wells:
 HIMW-02S, HIMW-02I and HIMW-02D
 Upper 60' logged from boring HISB-13.

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-4'			10.5 ppm 110 ppm 1.6 ppm 6.6 ppm 0.6 ppm 51.5 ppm	Bluestone, FILL, TOPSOIL, gravel, black coal tar, naphthalene-like odor		
4-8'			1.1 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark-moderate yellowish brown, CLAY, trace silt and f gravel, soft Dusky yellowish brown-dark gray, CLAY w/little silt, soft, odor Dark, yellow brown, CLAY, soft, trace silt Grayish brown-moderate yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, trace silt		
8-12'			0.0 ppm 2.40 ppm 9.70 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish brown, medium-very coarse silty SAND Dark-moderate yellowish brown, soft CLAY w/fine gravel, black silt, sl odor Dark yellowish orange-moderate yellowish brown, coarse-very coarse SAND w/fine-coarse gravel		
12-16'			0.2 ppm 0.0 ppm 1.8 ppm 0.7 ppm 0.0 ppm 0.1 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, trace silt Dark yellowish brown, medium-very coarse SAND w/fine gravel, some silt Dark yellowish orange-grayish orange-lt brown, coarse-very coarse SAND w/fine gravel		
16-20'			1.1 ppm 0.9 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above Dark yellowish orange-light brown, medium-very coarse SAND, trace silt		
20-24'			1.6 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-moderate brown, coarse-very coarse SAND w/fine gravel		
24-28'			0.0 ppm 0.4 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-grayish orange-moderate brown, medium-very coarse SAND w/fine-coarse gravel, trace silt		
28-32'			2.2 ppm 0.6 ppm 0.0 ppm 0.0 ppm	Same as above, dark yellowish orange/brown and light brown, some mica Moderate-light brown, medium-coarse SAND, some mica, wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-02D

Location: Hempstead

Date(s): 10/13/00 - 10/16/00

Purpose: Monitoring Well, Deep

Total Depth: 130.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
32-36'			0.0 ppm	Moderate-light brown, medium-coarse SAND, some mica, wet		
			0.0 ppm	Moderate brown-dark yellowish orange, very coarse-coarse SAND w/fine-medium gravel, wet		
36-40'			0.0 ppm	Grayish yellow-dark and moderate yellowish brown, medium SAND w/some very coarse sand and fine gravel, micaceous		
			0.0 ppm			
43-45'			0.0 ppm	Moderate yellowish brown, med-coarse SAND w/some very coarse sand, wet		
			0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet		
48-50'			0.0 ppm	Moderate-dark yellowish brown, med-coarse SAND w/f gravel, some mica		
			0.0 ppm	Pale yellowish brown, coarse-very coarse SAND w/fine-coarse gravel, wet		
53-55'			0.0 ppm	Same as above		
			0.0 ppm			
58-60'			0.0 ppm	Moderate yellowish brown, medium-coarse SAND w/some fine gravel and mica		
60-62'			0.0 ppm	Lt orange-brown, fine-coarse SAND w/some fine-coarse gravel, loose, wet		
62-64'			0.0 ppm	Brown, fine-coarse SAND w/fine gravel, loose, wet		
64-66'			0.0 ppm	Orange-brown, fine SAND, w/slight dark brown banding, fine sandy silt lens, loose, wet		
66-68'			0.0 ppm	Light brown-orange brown-black, fine SAND w/mica, medium dense, wet		
			0.0 ppm	Brown, fine SAND, semi-loose, wet		
			0.0 ppm	Orange-brown, silty fine SAND, medium dense, wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-02D

Location: Hempstead

Date(s): 10/13/00 - 10/16/00

Purpose: Monitoring Well, Deep

Total Depth: 130.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.0 ppm 0.0 ppm	Orange-brown, sandy SILT w/some clay, soft, loose, dense		
72-74'		72-74'	0.0 ppm	Orange-brown, silty fine SAND, medium dense, wet		
74-76'		74-76'	0.0 ppm	Same as above		
76-78'		76-78'	0.0 ppm	Orange brown-red brown, silty fine SAND w/some clay, gray-black banding, medium dense, wet		
78-80'		78-80'	0.0 ppm	Light brown-orange brown, fine SAND, medium dense, wet		
80-82'		80-82'	0.0 ppm	Same as above		
82-84'		82-84'	0.0 ppm	Same as above		
84-86'		84-86'	0.0 ppm	Light brown-orange brown, fine SAND w/some silt, medium dense, wet		
86-88'		86-88'	0.0 ppm 0.0 ppm	Same as above		
88-90'		88-90'	0.0 ppm 0.0 ppm	Gray orange-pale yellowish orange, fine-med SAND w/some silt, micaceous, trace coarse gravel and clay, wet		
90-92'		90-92'	0.0 ppm 0.0 ppm	Grayish orange-mod yellowish brown, fine-medium SAND w/some silt, micaceous, trace clay, wet		
92-94'		92-94'	0.0 ppm 0.0 ppm	Pale yellowish brown-dk yellowish orange, fine-medium SAND w/some silt, micaceous, wet		
94-96'		94-96'	0.0 ppm 0.0 ppm	Pale yellowish brown-yellowish gray, medium SAND w/some silt, micaceous, thinly bedded dk yellowish brown, micaceous clay, wet		
96-98'		96-98'	0.0 ppm 0.0 ppm	Dark yellowish orange-pale yellowish brown, medium SAND, micaceous, trace silt, wet		
98-100'		98-100'	0.0 ppm 0.0 ppm	Same as above		
100-102'		100-102'	0.3 ppm 0.2 ppm	Grayish orange to pale-dark yellowish orange, medium SAND, micaceous, thinly bedded dk yellowish brown, micaceous clay, wet		
102-104'		102-104'	0.2 ppm 0.3 ppm	Same as above		
104-106'		104-106'	0.7 ppm	Same as above		
106-108'		106-108'	1.1 ppm	Yellowish gray-dark yellowish orange, medium SAND, micaceous, wet		
108-110'		108-110'	1.2 ppm 1.3 ppm	Gray orange-dk yellow orange-lt brown-mod red brown, medium-coarse SAND w/some mica, thinly bedded dk yellowish brown clay, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-02D
Location: Hempstead	Date(s): 10/13/00 - 10/16/00
Purpose: Monitoring Well, Deep	Total Depth: 130.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112'		110-112'	1.4 ppm	Gray orange-dk yellow orange-lt brown-mod red brown, medium-coarse SAND w/some mica, thinly bedded dk yellowish brown clay, wet		
112-114'		112-114'	0.0 ppm 1.1 ppm	Mod yellow br-lt br-dk yellow orange, f-c SAND w/some silt, tr clay, wet		
114-116'		114-116'	0.7 ppm 0.0 ppm	Yellowish gray, fine SAND w/some silt and clay, micaceous, wet		
116-118'		116-118'	0.0 ppm 0.0 ppm	Dark yellowish orange-yellowish gray, clayey fine SAND, micaceous, wet		
118-120'		118-120'	0.0 ppm 0.0 ppm	Dark gray, silty CLAY, micaceous, medium stiff, dry		
120-122'		120-122'	0.0 ppm 0.0 ppm	Dark gray, silty CLAY, micaceous, thinly bedded micaceous fine sand, stiff, dry		
122-124'		122-124'	0.6 ppm 0.0 ppm 0.0 ppm	Dark gray, silty CLAY, micaceous, some medium gray micaceous fine sand, medium stiff, dry		
124-126'		124-126'	0.0 ppm 0.0 ppm	Same as above		
126-128'		126-128'	0.0 ppm 0.0 ppm 0.0 ppm	Dark gray, CLAY w/trace silt, micaceous, medium stiff		
			0.0 ppm 0.0 ppm	Dark gray, CLAY w/little silt, micaceous, soft-medium stiff		
128-130.5'		128-130.5'	0.0 ppm	Same as above (Shelby tube)		
				Base of boring - 130.5 ft.		



Site Id: HIMW-03D

Date(s): 09/06/00 - 09/07/00

Datum: Mean Sea Level

Elevation: 65.88'

Measuring Point: 65.26'

Location: Hempstead

Completed Depth: 145.00'

Total Depth: 151.00'

Purpose: Monitoring Well, Deep

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 23.00' to: 33.00'
 type: Slotted size: 0.020in dia: 2.00in fm: 80.50' to: 90.50'
 type: Slotted size: 0.010in dia: 2.00in fm: 133.00' to: 143.00'

Logged By: J. Schafer

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Remarks: includes well screens for monitoring wells: HIMW-03S, HIMW-03I and HIMW-03D

Contractor: Delta Well & Pump

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-2'			7.9 ppm 31 ppm 11 ppm 65 ppm	Brown, silty FILL, coal, vesicular slag, white crumbly material, dry		
2-4'				Brown-orange, sandy SILT, soft, dry		
4-6'			0.0 ppm 0.0 ppm 2.2 ppm	Dark brown, sandy SILT, soft, dry		
6-8'			0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, dry		
8-10'			0.0 ppm	Orange-brown, fine-coarse SAND w/trace silt, some fine gravel, loose, dry		
10-12'			0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, dry		
12-14'			0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/trace silt, some fine gravel, loose, dry		
14-16'			0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, dry		
16-18'			0.0 ppm 0.0 ppm	Same as above		
18-20'			0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/fine gravel, loose, dry		
20-22'			0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose, dry		
22-24'			0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/some coarse sand and fine gravel, loose, dry		
24-26'			0.0 ppm 0.0 ppm	Brown, fine SAND, medium dense, wet		
26-28'			0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/some medium sand, medium dense, wet		
28.5'			0.0 ppm 0.0 ppm	Brown, very fine-coarse SAND w/some fine gravel at 28.5', medium dense, wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-03D

Location: Hempstead

Date(s): 09/06/00 - 09/07/00

Purpose: Monitoring Well, Deep

Total Depth: 151.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
		30-32'	0.0 ppm	Brown-orange, fine-coarse SAND w/some fine gravel, med dense, wet		
		32-34'	0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, med dense, wet		
		34-36'	0.0 ppm 0.0 ppm	Orange-brown, fine SAND w/some medium-coarse sand, trace fine gravel, medium dense, wet		
		36-38'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/trace fine gravel, medium dense, wet		
		38-40'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, medium dense, wet		
		40-42'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		42-44'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		44-46'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		46-48'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/some coarse sand, trace fine gravel, medium dense, wet		
		48-50'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/some coarse sand, medium dense, wet		
		50-52'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		52-54'	0.0 ppm 0.0 ppm	Brown-orange, fine-coarse SAND, medium dense, wet		
		54-56'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, medium-coarse SAND w/some fine sand and gravel, medium dense, wet		
		56-58'	0.0 ppm	Tan, fine SAND, medium dense, wet		
		58-60'	0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine-medium SAND w/some coarse sand, trace fine gravel, medium dense, wet		
		60-62'	0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine SAND w/some medium sand, medium dense, wet		
		62-64'	0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine SAND w/some medium sand, medium dense, wet, iron-red staining		
		64-66'	0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine SAND, medium dense, wet		
		66-68'	0.0 ppm 0.0 ppm 0.0 ppm	Light brown to light red, fine SAND w/some medium sand, some silt, medium dense, wet		
			0.0 ppm 0.0 ppm 0.0 ppm	Light brown to light red, fine SAND w/some medium sand, some silt, medium dense-dense, wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-03D

Location: Hempstead

Date(s): 09/06/00 - 09/07/00

Purpose: Monitoring Well, Deep

Total Depth: 151.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
		70-72'	0.0 ppm 0.0 ppm 0.0 ppm	Light brown to light red, fine SAND, medium dense, wet		
		72-74'	0.0 ppm 0.0 ppm	Light red to tan, fine SAND w/some silt, medium dense, wet		
75		74-76'	0.0 ppm 0.0 ppm 0.0 ppm	Light red-brown, fine SAND w/some silt, medium dense, wet		
		76-78'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine sandy SILT, semi-hard, non-plastic, black banding, wet		
		78-80'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/some silt, to brown sandy SILT, banding, soft, slightly plastic, wet		
80		80-82'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine sandy SILT, banding, soft, non-plastic, wet		
		82-84'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine sandy SILT w/brown, black and gray banding, soft, slightly plastic, wet		
85		84-86'	0.0 ppm 0.0 ppm	Same as above		
		86-88'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		88-90'	0.0 ppm 0.0 ppm	Same as above		
90		90-92'	0.0 ppm 0.0 ppm	Brown, silty fine SAND w/banding (orange-brown-black-gray), liquid to medium dense		
		92-94'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
95		94-96'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		96-98'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above, grading to orange-brown fine SAND		
		98-100'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above (90-92')		
100		100-102'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above (90-92')		
		102-104'	0.0 ppm 0.0 ppm	Brown, silty fine SAND w/orange-brown banding, medium dense, wet		
105		104-106'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty fine SAND, medium dense, wet		
		106-108'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-medium SAND w/some silt, dark red-brown banding, medium dense, wet		
		108-110'	0.0 ppm 0.0 ppm	Brown, fine-medium SAND w/some dark brown silt, medium dense, wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-030

Location: Hempstead

Date(s): 09/06/00 - 09/07/00

Purpose: Monitoring Well, Deep

Total Depth: 151.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112		0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/trace silt, medium dense, wet		
112-114		0.0 ppm 0.0 ppm		Brown, fine SAND w/some dark brown silt, medium dense, wet		
114-116		0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty fine SAND, medium dense, wet		
116-118		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine sandy SILT w/brown, gray and black banding, semi-stiff, slightly plastic		
118-120		0.0 ppm 0.0 ppm		Brown, fine SAND, medium dense, wet		
120-122		0.0 ppm 0.0 ppm 0.0 ppm		Brown, sandy SILT w/silt, banding, stiff, semi-plastic		
122-124		0.0 ppm 0.0 ppm		Brown, fine sandy SILT w/gray, black and brown banding, stiff, semi-plastic, wet		
124-126		0.0 ppm 0.0 ppm		Brown, fine sandy SILT, mottled with black, gray and dark brown banding, liquid, soft		
126-128		0.0 ppm 0.0 ppm		Same as above		
128-130		0.0 ppm 0.0 ppm		Same as above		
130-132		0.0 ppm 0.0 ppm		Brown to orange brown, fine sandy SILT, slightly stiff, wet		
132-134		0.0 ppm 0.0 ppm		Brown to gray, fine sandy SILT w/some banding, soft, slightly plastic, wet		
134-136		0.0 ppm 0.0 ppm 0.0 ppm		Same as above		
136-138		0.0 ppm 0.0 ppm 0.0 ppm		Light brown to orange-brown, silty fine SAND w/banding, dense, wet		
138-140		0.0 ppm 0.0 ppm 0.0 ppm		Same as above		
145-147		0.0 ppm 0.0 ppm 0.0 ppm		Brown, silty fine-medium SAND, medium dense, wet		
147-149		0.0 ppm 0.0 ppm 0.0 ppm		Gray, CLAY, thin lens of black silt, very stiff, plastic, moist		
149-151				Gray, SILT, trace sand (Shelby tube)		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-03D
Location: Hempstead	Date(s): 09/06/00 - 09/07/00
Purpose: Monitoring Well, Deep	Total Depth: 151.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
151				Gray, SILT, trace sand (Shelby tube) Base of boring - 151 ft.		
150						
145						
140						
135						
130						
125						
120						
115						
110						
105						
100						
95						
90						
85						
80						
75						
70						
65						
60						
55						
50						
45						
40						
35						
30						
25						
20						
15						
10						
5						



Site Id: HIMW-04D

Date(s): 09/20/00 - 09/22/00

Datum: Mean Sea Level

Elevation: 73.37'

Measuring Point: 72.65'

Location: Hempstead

Completed Depth: 179.00'

Total Depth: 182.00'

Purpose: Monitoring Well, Deep

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 30.00' to: 40.00'
 type: Slotted size: 0.020in dia: 2.00in fm: 80.00' to: 90.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 167.00' to: 177.00'

Logged By: J. Schafer

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Remarks: Includes well screens for monitoring wells:
 HIMW-04S, HIMW-04I and HIMW-04D

Contractor: Delta Well & Pump

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-2'		0-2'	0.0 ppm 0.0 ppm	Dark brown, TOPSOIL w/some sand and fine gravel, loose, dry No recovery		
2-4'		2-4'				
4-6'		4-6'	0.0 ppm 0.0 ppm 0.0 ppm	Dark brown to tan, SILT w/trace fine sand, stiff, non-plastic, dry		
6-8'		6-8'	0.0 ppm 0.0 ppm	Light brown, fine-coarse SAND w/some fine gravel, loose, dry		
8-10'		8-10'	0.0 ppm 0.0 ppm	Light brown, fine-coarse SAND w/some fine gravel, trace coarse gravel, loose, dry		
10-12'		10-12'	0.0 ppm 0.0 ppm	Light brown, fine-coarse SAND w/fine gravel, loose, dry		
12-14'		12-14'	0.0 ppm 0.0 ppm	Brown, fine-medium SAND, loose, dry		
14-16'		14-16'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/some fine gravel, several brown silt lenses, loose, dry		
16-18'		16-18'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/some brown silt, trace fine gravel, loose, dry		
18-20'		18-20'	0.0 ppm	Brown, silty fine-coarse SAND w/some fine gravel, loose-medium dense, dry		
20-22'		20-22'	0.0 ppm 0.0 ppm	Brown-black, fine-coarse SAND w/fine gravel, trace brown silt, loose, dry		
22-24'		22-24'	0.0 ppm 0.0 ppm	Same as above		
24-26'		24-26'	0.0 ppm 0.0 ppm	Same as above		
26-28'		26-28'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/trace fine gravel, loose, dry		
28-30'		28-30'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, dry		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-04D

Location: Hempstead

Date(s): 09/20/00 - 09/22/00

Purpose: Monitoring Well, Deep

Total Depth: 182.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'		0.0-32.0'	0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, dry		
32-34'		0.0-34.0'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/trace medium sand, loose, dry (wet at 32.5')		
34-36'		0.0-36.0'	0.0 ppm	Brown, fine SAND, medium dense, wet		
36-38'		0.0-38.0'	0.0 ppm 0.0 ppm	Brown, fine SAND w/some medium sand, medium dense, wet		
38-40'		0.0-40.0'	0.0 ppm 0.0 ppm	Brown, fine-medium SAND w/some coarse sand and fine gravel, medium dense		
40-42'		0.0-42.0'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
42-44'		0.0-44.0'	0.0 ppm	Brown, fine-medium SAND w/trace coarse sand and fine gravel, medium dense, wet		
44-46'		0.0-46.0'	0.0 ppm 0.0 ppm	Same as above		
46-48'		0.0-48.0'	0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine gravel, medium dense, wet		
48-50'		0.0-50.0'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, gravelly fine-coarse SAND, medium dense, wet		
50-52'		0.0-52.0'	0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine gravel		
52-54'		0.0-54.0'	0.0 ppm	Brown, fine SAND, medium dense, wet		
54-56'		0.0-56.0'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-medium SAND w/trace coarse sand and fine gravel, medium dense, wet		
56-58'		0.0-58.0'	0.0 ppm 0.0 ppm	Same as above		
58-60'		0.0-60.0'	0.0 ppm 0.0 ppm	Same as above		
60-62'		0.0-62.0'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/trace fine gravel, medium dense, wet		
62-64'		0.0-64.0'	0.0 ppm 0.0 ppm	Brown, fine SAND, medium dense, wet		
64-66'		0.0-66.0'	0.0 ppm 0.0 ppm	Brown, fine SAND, silt lens at 64.75' (brown, plastic, semi-soft), medium dense, wet		
66-68'		0.0-68.0'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND, several silt lenses (plastic, soft), medium dense, wet		
68-70'		0.0-70.0'	0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, fine SAND, medium dense, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-04D
Location: Hempstead	Date(s): 09/20/00 - 09/22/00
Purpose: Monitoring Well, Deep	Total Depth: 182.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		0.0 ppm	0.0 ppm	Brown-gray, fine SAND w/brown silt lenses, medium dense, wet		
72-74'		0.0 ppm	0.0 ppm	Some as above		
74-76'		0.0 ppm	0.0 ppm	Light brown-gray, fine SAND, medium dense, wet		
76-78'		0.0 ppm	0.0 ppm	Gray, fine SAND w/brown silt lenses, medium dense, wet		
78-80'		0.0 ppm	0.0 ppm	Gray, fine SAND, medium dense, wet		
80-82'		0.0 ppm	0.0 ppm	Gray, fine SAND to mottled gray-brown sandy SILT, medium dense, wet		
82-84'		0.0 ppm	0.0 ppm	Orange-brown, fine SAND w/some brown silt, medium dense, wet		
84-86'		0.0 ppm	0.0 ppm	Orange-brown, fine SAND w/silty clay lenses, medium dense, wet		
86-88'		0.0 ppm	0.0 ppm	Brown, fine SAND w/some silt, medium dense, wet		
88-90'		0.0 ppm	0.0 ppm	Brown, fine SAND w/some silt, dark brown banding, medium dense, wet		
90-92'		0.0 ppm	0.0 ppm	Same as above		
92-94'		0.0 ppm	0.0 ppm	Orange-brown, fine silty SAND w/dark brown-gray banding, medium dense, wet		
94-96'		0.0 ppm	0.0 ppm	Same as above		
96-98'		0.0 ppm	0.0 ppm	Same as above		
98-100'		0.0 ppm	0.0 ppm	Same as above		
100-102'		0.0 ppm	0.0 ppm	Same as above		
102-104'		0.0 ppm	0.0 ppm	Same as above		
104-106'		0.0 ppm	0.0 ppm	Orange-brown, fine SAND w/some silt, dark brown banding, medium dense, wet		
106-108'		0.0 ppm	0.0 ppm	Brown, fine SAND, medium dense, wet		
108-110'		0.0 ppm	0.0 ppm	Brown, fine SAND w/some silt, medium dense, wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-04D

Location: Hempstead

Date(s): 09/20/00 - 09/22/00

Purpose: Monitoring Well, Deep

Total Depth: 182.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112		0.0 ppm 0.0 ppm		Brown, fine SAND w/some dark-red br silt banding, med dense-dense, wet		
112-114		0.0 ppm		Brown, fine silty SAND, dense, wet		
114-116		0.0 ppm 0.0 ppm		Brown, fine silty SAND, clay lens at 115', gray-dark brown banding, medium dense, wet		
116-118		0.0 ppm 0.0 ppm 0.0 ppm		Same as above, no clay		
118-120		0.0 ppm 0.0 ppm 0.0 ppm		Same as above		
120-122		0.0 ppm 0.0 ppm		Same as above		
122-124		0.0 ppm 0.0 ppm		Brown, fine SAND w/some silt, gray-dark brown banding, medium dense, wet		
124-126		0.0 ppm 0.0 ppm		Same as above		
126-128		0.0 ppm 0.0 ppm		Same as above		
128-130		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above		
130-132		0.0 ppm 0.0 ppm 0.0 ppm		Same as above		
132-134		0.0 ppm 0.0 ppm		Brown, fine sandy SILT, gray-dark brown banding, slightly plastic, soft, wet		
134-136		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine silty SAND, gray-dark brown banding, medium dense, wet		
136-138		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, sandy SILT, gray-dark brown banding, plastic, soft, wet		
138-140		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, SILT w/some fine sand, plastic, soft, wet		
144-146		0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine sandy SILT, gray-dark brown banding, slightly plastic, semi-soft, wet		
148-151		0.0 ppm 0.0 ppm		Same as above		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-04D
Location: Hempstead	Date(s): 09/20/00 - 09/22/00
Purpose: Monitoring Well, Deep	Total Depth: 182.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
			0.0 ppm	Brown, fine sandy SILT, gray-dark brown banding, slightly plastic, semi-soft, wet		
154		154-156'	0.0 ppm 0.0 ppm	Brown, SILT w/fine gravel, slightly plastic, semi-soft, wet		
159		159-161'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, coarse sandy SILT, slightly plastic, wet		
164		164-166'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
169		169-171'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, coarse sandy SILT, gray-dark brown banding, slightly plastic, semi-soft, wet		
174		174-176'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SILT w/some sand, clay lenses, gray-dark brown banding, slightly plastic		
176		176-178'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, SILT w/fine sand, clay, sl plastic-plastic, soft, moist Brown, CLAY, soft, plastic, dry-moist		
180		180-182'	0.0 ppm 0.0 ppm 0.0 ppm	Dark brown, CLAY, stiff, plastic, moist		
				Base of boring - 182'		



Site Id: HIMW-05D

Date(s): 09/08/00 - 09/11/00

Datum: Mean Sea Level

Elevation: 67.38'

Measuring Point: 67.22'

Location: Hempstead

Completed Depth: 142.00'

Total Depth: 172.00'

Purpose: Monitoring Well, Intermediate

Screens:

type: Slotted size: 0.010in dia: 2.00in fm: 27.00' to: 37.00'

type: Slotted size: 0.010in dia: 2.00in fm: 80.00' to: 90.00'

type: Slotted size: 0.020in dia: 2.00in fm: 130.00' to: 140.00'

Logged By: B. Ryan

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Remarks: Includes well screens for monitoring wells:

HIMW-05S, HIMW-05I and HIMW-05D

Upper 60' logged from boring HISB-28.

Contractor: Delta Well & Pump

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-4'				Brown, silty fine-coarse SAND w/some fine gravel, trace clay, loose, wet		
4-8'				Same as above		
8-12'				Orange-brown, fine-coarse SAND w/some fine gravel, loose, moist		
12-16'				Same as above		
16-20'				Same as above		
20-24'				Orange brown-light brown, fine-coarse SAND w/fine gravel, loose, moist		
24-28'				Orange brown, fine-medium SAND w/trace coarse sand, loose, moist		
28-32'				Brown, fine SAND w/dark brown banding, dense, wet at 29'		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-05D
Location: Hempstead	Date(s): 09/08/00 - 09/11/00
Purpose: Monitoring Well, Intermediate	Total Depth: 172.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
32-36'				Brown, fine SAND w/dark brown banding, dense, wet Tan-orange-brown, fine SAND w/some medium-coarse SAND, trace fine gravel, medium dense, wet		
36-40'				Gravelly medium-coarse SAND to sandy fine-coarse GRAVEL, slight hydrocarbon-like odor, loose, wet		
40-44'				Brown, gravelly medium-coarse SAND w/fine-coarse gravel, red iron staining, naphthalene-like odor, loose, wet		
44-48'				Orange-brown, fine-coarse SAND w/trace fine gravel, naphthalene-like odor, dense, wet		
50-52'				Orange-brown, fine-coarse SAND w/some fine gravel, slight naphthalene-like odor, medium dense, wet		
52-54'				Light orange brown, coarse SAND w/some fine sand and fine gravel, naphthalene-like odor, medium dense, wet		
54-56'				Light orange-brown, fine-coarse SAND w/some fine gravel, naphthalene-like odor, medium dense, wet		
56-58'				Light orange brown, fine-coarse SAND w/fine gravel, naphthalene-like odor, loose, wet		
58-60'				Light brown, fine-coarse SAND w/some gravel, naphthalene-like odor, medium dense, wet		
60-62'			0.0 ppm	Brown-orange, fine-medium SAND w/some fine gravel, loose, wet		
62-64'			0.0 ppm 5.3 ppm	Brown, fine SAND w/trace fine and coarse gravel, loose, wet		
64-66'			0.0 ppm 0.0 ppm	Brown-gr brown, fine-medium SAND w/trace coarse sand and clay, minor black staining, slight naphthalene-like odor, loose, wet		
66-68'			0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, very fine-medium SAND w/trace fine gravel and sandy clay, naphthalene-like odor, loose-medium dense, wet		
68.5'			0.0 ppm 0.0 ppm 10.2 ppm	Brown, very fine-fine SAND w/some coarse sand, bk and gray staining, naphthalene-like odor at 68.5', medium dense, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-050
Location: Hempstead	Date(s): 09/08/00 - 09/11/00
Purpose: Monitoring Well, Intermediate	Total Depth: 172.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	1.7 ppm 0.0 ppm	Brown, v fine-med SAND w/trace f gravel and sandy clay, loose, wet		
72-74'		72-74'	0.0 ppm 0.0 ppm 1.7 ppm	Brown-gray, very fine-coarse SAND w/trace sandy clay, bk banding, minor staining at 73', sl naphthalene-like odor, med dense-loose, wet		
74-76'		74-76'	0.4 ppm	Brownish-orange, fine-medium SAND, slight naphthalene-like odor, loose, wet		
76-78'		76-78'	0.6 ppm 3.2 ppm	Lt brownish-orange, fine SAND w/trace clay, black banding at 76.8', slight naphthalene-like odor, loose, wet		
78-80'		78-80'	0.0 ppm 0.0 ppm 9.2 ppm	Brownish orange, fine-med SAND w/trace silt, 4" layer of gray silty clay, slight naphthalene-like odor, loose, wet		
80-82'		80-82'	0.0 ppm 0.0 ppm	Brownish-orange, v fine-med SAND w/trace clay, spotty black staining, slight naphthalene-like odor, loose, wet		
82-84'		82-84'	0.0 ppm 0.0 ppm	Brownish-orange, v fine-med SAND w/trace silt and fine gravel, black banding from 82.4-82.9', naphthalene-like odor, loose, wet		
84-86'		84-86'	0.0 ppm 0.0 ppm 0.5 ppm	Lt br yellowish orange, v fine-fine silty SAND w/trace clay, grayish-black banding at 84.25-85.25', med dense, wet		
86-88'		86-88'	0.0 ppm 0.0 ppm	Reddish brown-orange, fine SAND, black banding, slight naphthalene-like odor, loose, wet		
88-90'		88-90'	0.0 ppm 6.3 ppm	Brownish orange, fine SAND, slight naphthalene-like odor, loose, wet		
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm	Brownish-orange, fine-medium SAND w/trace silt, mild naphthalene-like odor, loose, wet		
92-94'		92-94'	0.0 ppm 0.0 ppm	Lt brownish orange, fine SAND w/trace silt, black banding at 92.5', slight naphthalene-like odor, loose, wet		
94-96'		94-96'	0.0 ppm 0.0 ppm	Brownish-orange, silty very fine SAND, medium dense, wet		
96-98'		96-98'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty very fine SAND, minor black banding at 96.7-97', mild naphthalene-like odor, medium dense, wet		
98-100'		98-100'	0.0 ppm 0.0 ppm 0.0 ppm 6.4 ppm 2.9 ppm 4.1 ppm	Brownish-orange, silty fine SAND, minor black staining at 99.7', naphthalene-like odor, medium dense, wet		
100-102'		100-102'	0.0 ppm 0.0 ppm	Brownish-orange, silty fine SAND, black staining at 100-100.5', naphthalene-like odor, medium dense, wet		
102-104'		102-104'	0.0 ppm 0.0 ppm	Same as above, black staining at 102', mild naphthalene-like odor		
104-106'		104-106'	0.0 ppm 35.5 ppm	Brownish-orange, silty fine SAND, mild naphthalene-like odor, medium dense, wet		
106-108'		106-108'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above, black staining at 106.8', mild naphthalene-like odor		
108-110'		108-110'	9.6 ppm 1.3 ppm	Same as above, no staining		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-05D
Location: Hempstead	Date(s): 09/08/00 - 09/11/00
Purpose: Monitoring Well, Intermediate	Total Depth: 172.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112'		0.9 ppm	0.9 ppm	Brownish-orange, silty fine SAND, medium dense, wet		
112-114'		0.0 ppm 0.9 ppm	0.0 ppm 0.9 ppm	Same as above		
114-116'		0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm	Same as above		
116-118'		0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm	Orange, silty fine SAND w/white-gray banding, medium dense, wet		
118-120'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Orange brown, silty CLAY, very soft, plastic, wet		
120-122'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
122-124'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
124-126'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Light brownish-orange-gray, silty SAND w/trace clay, medium dense, wet		
126-128'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
128-130'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Multicolored, silty fine SAND w/trace clay, medium dense, wet		
130-132'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Multicolored, silty CLAY, very soft, moist		
132-134'		0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm	Multicolored, SILT w/trace fine sand, medium dense, wet		
134-136'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Multicolored, silty fine SAND w/trace clay, medium dense, wet		
136-138'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty CLAY w/fine sand, medium dense, wet		
138-140'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Multicolored, silty fine SAND w/trace clay, dense, wet		
140-142'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
142-144'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
144-146'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
146-148'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
148-150'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brownish orange, silty fine SAND, dense, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-05D
Location: Hempstead	Date(s): 09/08/00 - 09/11/00
Purpose: Monitoring Well, Intermediate	Total Depth: 172.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
150-152'		150-152'	0.0 ppm 0.0 ppm	Brownish orange-gray (speckled), silty v fine SAND, dense, wet		
152-154'		152-154'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
154-156'		154-156'	0.0 ppm 0.0 ppm	Same as above		
160-162'		160-162'	0.0 ppm 0.0 ppm 0.0 ppm	Brownish orange-gray, silty fine SAND, dense, wet		
165-167'		165-167'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty SAND, dense, wet		
170-172'		170-172'	0.0 ppm 0.0 ppm	Brownish-orange (speckled), silty SAND, medium dense, wet		
172'				Base of boring - 172 ft.		



Site Id: HIMW-06D

Date(s): 10/02/00 - 10/03/00

Datum: Mean Sea Level

Elevation: 67.89'

Measuring Point: 67.77'

Completed Depth: 118.00'

Total Depth: 132.50'

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 25.50' to: 35.50'
 type: Slotted size: 0.020in dia: 2.00in fm: 72.00' to: 82.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 106.00' to: 116.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Diamond

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Remarks: Includes well screens for monitoring wells: HIMW-06S, HIMW-06I and HIMW-06D

Contractor: Delta Well & Pump

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
5				NOTE: Drilled down to 10'. Sampling begins at 10'. Grayish black, coarse-very coarse SAND w/fine gravel, heavy staining, naphthalene-like odor and saturated with NAPL at 8'		
10		10-12'	175 ppm 218 ppm 156 ppm	Hcn = 0.3 ppm @ 10.5' Dk yellowish brown, coarse-very coarse SAND w/some fine gravel, staining, naphthalene-like odor, zones of heavy staining		
12		12-14'	398 ppm 174 ppm 239 ppm	Dk yellowish brown, medium-very coarse SAND w/fine gravel, saturated with NAPL, staining, naphthalene-like odor		
14		14-16'	156 ppm 828 ppm	Dk yellowish brown, m-c SAND w/f-c gravel, saturated with NAPL, heavy staining, naphthalene-like odor Hcn = 0.3 ppm @ 14.5'		
16		16-18'	469 ppm 535 ppm	Dk yellowish orange-dk yellowish brown, med-very coarse SAND w/f gravel, naphthalene-like odor, heavy staining Hcn = 0.3 ppm @ 16.5'		
18		18-20'	533 ppm 900 ppm 780 ppm	Mod-dk yellowish brown, med-v coarse SAND w/fine gravel, naphthalene-like odor, zones of heavy staining Hcn = 1.7 ppm @ 19'		
20		20-22'	1311 ppm 1973 ppm	Mod-dk yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, strong naphthalene-like odor, zones of heavy staining		
22		22-24'	795 ppm 2000+ ppm 2000+ ppm	Mod-dk yellowish brown, med-v coarse SAND w/f-c gravel, naphthalene-like odor, staining, zones of heavy staining Hcn = 1.2 ppm @ 22.5'		
24		24-26'	1207 ppm 2000+ ppm 1319 ppm	Mod-dk yellowish brown, med-coarse SAND w/f gravel, naphthalene-like odor, staining, sheen Hcn = 0.4 ppm @ 24' and 23.0 ppm @ 25'		
26		26-28'	2000+ ppm 2000+ ppm 2000+ ppm	Mod yellowish br, coarse-v coarse SAND w/f-c gravel and f sand, micaceous, strong naphthalene-like odor, heavy NAPL staining, wet		
28		28-30'	2000+ ppm 2000+ ppm 593 ppm	Mod-dk brown and yellowish brown, silty fine SAND, micaceous, strong naphthalene-like odor, NAPL staining Hcn = 0.4 ppm @ 28'		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-06D
Location: Hempstead	Date(s): 10/02/00 - 10/03/00
Purpose: Monitoring Well, Deep	Total Depth: 132.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'			2000+ ppm	Dk yellowish br, f SAND, micaceous, naphthalene-like odor, heavy staining		
32-34'			303 ppm 150 ppm	Moderate yellowish brown and dark yellowish orange, medium SAND, micaceous, wet		
34-36'			54.3 ppm 15.7 ppm 70.6 ppm	Mod yellowish brown, med SAND, some v coarse sand, micaceous, sheen, wet		
36-38'			545 ppm 26.4 ppm	Grayish orange, medium-coarse SAND, wet		
38-40'			545 ppm 26.4 ppm	Mod yellowish brown-grayish orange, med-v coarse SAND w/some fine gravel, micaceous, trace silt, slight sheen, wet		
40-42'			183 ppm 36.9 ppm	Grayish orange-yellowish orange, v coarse SAND-fine GRAVEL, little silt and clay, some mica, wet		
42-44'			250 ppm 0.0 ppm	Grayish orange-yellowish orange, v coarse SAND-fine GRAVEL w/coarse gravel, wet		
44-46'			313 ppm 0.0 ppm	Grayish orange, medium-coarse SAND w/fine gravel, very slight naphthalene-like odor, wet		
46-48'			12.9 ppm 0.0 ppm	Grayish orange, coarse-very coarse SAND w/fine gravel, wet		
48-50'			0.0 ppm	Grayish orange, coarse-very coarse SAND w/fine-coarse gravel, to medium-fine micaceous SAND w/trace coarse sand and silt		
50-52'			40 ppm 0.0 ppm	Grayish orange, medium-coarse SAND, wet		
52-54'			0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange-dk yellowish orange, medium-coarse SAND w/some f gravel, wet		
54-56'			0.0 ppm 0.0 ppm	Dark yellowish orange, medium-coarse SAND w/very coarse sand-fine gravel, wet		
56-58'			0.0 ppm 0.0 ppm	Grayish orange-dk yellowish orange, coarse-very coarse SAND w/fine gravel, wet		
58-60'			31.7 ppm 17.4 ppm	Grayish orange-dk yellowish orange, medium-very coarse SAND w/fine gravel, some mica, wet		
60-62'			0.7 ppm 0.0 ppm	Dark yellowish orange-moderate yellowish brown, medium-coarse SAND w/some fine gravel, wet		
62-64'			0.0 ppm 0.0 ppm	Moderate yellowish brown-pale yellowish orange, medium-very coarse SAND w/fine-coarse gravel, slight sheen, iron oxide staining		
64-66'			0.0 ppm 0.0 ppm	Yellowish gray-light gray-pale yellowish orange, fine-coarse SAND w/some mica		
66-68'			0.0 ppm	Yellowish gray, medium SAND w/some mica		
68-70'			0.0 ppm	Yellowish gray, medium-coarse SAND, thin lens of dark yellowish orange and dusky yellowish brown, sandy clay at 66.3'		
70-72'			9.0 ppm 0.0 ppm	Yellowish gray-medium gray, medium SAND w/some fine gravel		
72-74'				Dark yellowish orange, clayey medium SAND		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-06D
Location: Hempstead	Date(s): 10/02/00 - 10/03/00
Purpose: Monitoring Well, Deep	Total Depth: 132.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'			0.0 ppm 0.9 ppm	Yellowish brown-yellowish orange-gray, clayey m-c SAND, micaceous		
72-74'			2.0 ppm 42.5 ppm 23.0 ppm	Pale yellowish orange, clayey medium-coarse SAND, wet Lt-dk yellowish orange and brown, lt brown, sandy CLAY, micaceous, soft		
74-76'			4.0 ppm 1.4 ppm	Dark yellowish orange-grayish orange-yellowish gray, medium SAND, micaceous, wet		
76-78'			6.2 ppm 0.0 ppm	Dark yellowish orange-yellowish gray, medium SAND w/trace clay, micaceous, wet		
78-80'			0.0 ppm 0.0 ppm	Light-dark yellowish orange, lt brown and yellowish gray, medium SAND w/trace clay, micaceous		
80-82'			0.0 ppm 0.0 ppm	Light-dark yellowish orange, medium SAND w/trace silt, micaceous		
82-84'			0.0 ppm 0.0 ppm	Light-dark yellowish orange and yellowish gray, medium SAND, micaceous		
84-86'			0.0 ppm 0.0 ppm 0.0 ppm	Light-dark yellowish orange and dark gray, CLAY, soft, micaceous Dark yellowish orange, medium-coarse SAND w/some mica, wet		
86-88'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-grayish pink orange, silty CLAY, soft, micaceous Medium-dark gray and yellowish gray, clayey fine SAND, micaceous		
88-90'			0.0 ppm 0.0 ppm 0.0 ppm	Med gray, yellowish gray and dk yellowish orange, sandy CLAY, micaceous Dark yellowish orange, medium SAND w/some mica, wet		
90-92'			0.0 ppm 0.0 ppm 0.0 ppm	Med-dk gray and dk yellowish-grayish orange, sandy CLAY, soft, micaceous Dark yellowish orange-light brown, clayey medium SAND, micaceous		
92-94'				No recovery (92-94')		
94-96'			16.0 ppm 19.8 ppm 4.1 ppm	Lt-dk yellowish orange, medium gray and moderate brown, clayey fine-medium SAND, micaceous		
96-98'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-medium gray, sandy CLAY, micaceous Lt brown-yellowish gray-medium gray, clayey fine-medium SAND, micaceous		
98-100'			0.0 ppm 0.0 ppm	Light brown-yellowish gray-dark yellowish orange, clayey fine-medium SAND, micaceous		
100-102'			0.0 ppm 0.0 ppm 0.0 ppm	Yellowish gray-dk yellowish orange-med brown, clayey med SAND, micaceous Dk yellowish orange-grayish orange, medium SAND w/little clay, micaceous		
102-104'			0.0 ppm 0.0 ppm	Grayish orange, moderate brown, light-medium gray and dark yellowish orange, clayey medium SAND, micaceous		
104-106'			0.0 ppm 0.0 ppm 3.5 ppm	Grayish orange and medium-dark gray, clayey medium SAND, micaceous Light-dark yellowish orange, medium SAND w/trace clay, micaceous, wet		
106-108'			0.0 ppm 0.0 ppm	Yellowish gray-dark yellowish orange-dark yellowish brown, medium SAND w/trace clay, micaceous		
108-110'			0.0 ppm 0.0 ppm	Dark yellowish orange-grayish orange-light brown, clayey medium SAND, micaceous		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-06D

Location: Hempstead

Date(s): 10/02/00 - 10/03/00

Purpose: Monitoring Well, Deep

Total Depth: 132.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110		110-112'	0.0 ppm 0.0 ppm	Grayish orange-medium gray, clayey medium SAND, micaceous		
112		112-114'	0.0 ppm 0.0 ppm	Dark yellow orange-yellow gray, med SAND w/trace silt, micaceous, wet Same as above, no silt		
114		114-116'	0.0 ppm 0.0 ppm	Grayish orange-moderate gray-moderate brown, medium SAND, micaceous, wet		
116		116-118'	0.0 ppm 0.0 ppm	Dk yellowish orange-lt brown, f-c SAND w/some clay and thin clay lenses Medium gray-moderate yellowish brown, soft CLAY, micaceous		
118		118-120'	0.0 ppm 0.0 ppm	Yellow orange-yellow brown, soft CLAY w/fine-coarse sand to silty CLAY		
120		120-122'	0.0 ppm 0.0 ppm	Medium gray, silty fine SAND w/dark gray clay to CLAY, soft Dark gray, silty CLAY, micaceous, soft-medium stiff, thinly interbedded w/medium gray, silty SAND, micaceous		
122		122-124'	0.0 ppm 0.0 ppm	Dark gray, silty CLAY, micaceous, soft-medium stiff		
124		124-126'	0.0 ppm 0.0 ppm	Dark gray, silty CLAY, micaceous, soft-medium stiff		
126		126-128'	0.0 ppm 0.0 ppm	Same as above, dry		
128		128-130'	0.0 ppm 0.0 ppm	Dark gray, CLAY, micaceous, medium stiff, dry		
130		130-132.5'	0.0 ppm 0.0 ppm	Dark gray, CLAY, micaceous, medium stiff, dense, dry (Shelby tube)		
				Base of boring - 132.5 ft.		



Site Id: HIMW-07D

Date(s): 10/02/00 - 10/03/00

Datum: Mean Sea Level

Elevation: 70.75'

Measuring Point: 70.40'

Completed Depth: 117.00'

Total Depth: 132.00'

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 29.00' to: 39.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 78.00' to: 88.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 105.00' to: 115.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Schafer

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Remarks: Includes well screens for monitoring wells:
 HIMW-07S, HIMW-07I and HIMW-07D
 Logged from boring HISB-34.

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-2'				Concrete		
2-4'			14 ppm 42 ppm	Tan, fine-coarse SAND w/some fine gravel		
4-6'			64 ppm 44 ppm	Tan-brown, fine-coarse SAND w/some fine gravel		
6-8'			8.1 ppm 5.2 ppm	Same as above		
8-10'			5.4 ppm 27.9 ppm	Same as above		
10-12'			12 ppm 25 ppm	Same as above		
12-14'			55 ppm 31 ppm 39 ppm	Tan-brown, fine-coarse SAND w/some black gravel, slight hydrocarbon-like odor		
14-16'			25 ppm 20 ppm	Brown, fine-coarse SAND w/fine gravel		
16-18'			0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine gravel, hydrocarbon-like odor, possible black stained gravel		
18-20'			295 ppm 224 ppm 218 ppm	Brown, fine-coarse SAND w/fine gravel, hydrocarbon-like odor, some brown-black staining, moist		
20-22'			223 ppm 157 ppm	Brown-black, fine-coarse SAND w/some fine gravel, trace coarse gravel, hydrocarbon-like odor, intermittent black staining, moist		
22-24'			229 ppm 368 ppm	Black, fine-coarse SAND w/trace fine gravel, hydrocarbon-like odor, stained, moist		
24-26'			210 ppm 319 ppm 447 ppm	Same as above		
26-28'			201 ppm 189 ppm	Black, fine-medium SAND w/trace fine gravel, hydrocarbon-like odor, stained, moist		
28-30'			230 ppm 364 ppm	Bk, fine-medium SAND w/trace c gravel, hydrocarbon-like odor, stained, moist Brown, v fine-fine SAND, med dense, NAPL, hydrocarbon-like odor, moist-wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-07D

Location: Hempstead

Date(s): 10/02/00 - 10/03/00

Purpose: Monitoring Well, Deep

Total Depth: 132.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'			372 ppm	Br, v fine-fine SAND, NAPL, stained, hydrocarbon-like odor, med dense, wet		
32-34'			289 ppm 134 ppm 101 ppm	Gray-brown, sandy SILT w/fine-med sand, hydrocarbon-like odor, intermittent staining, slightly stiff, slightly plastic		
34-36'			90 ppm 350 ppm 56 ppm	Brown, fine SAND, to gray, fine-coarse sandy GRAVEL (at 35.75'), medium dense to loose, naphthalene-like odor, slight staining, sheen, wet		
36-38'			5.0 ppm	Gray-brown, fine sandy GRAVEL w/some coarse gravel, dense, slight naphthalene-like odor, wet		
38-40'			3.4 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/trace coarse sand and fine gravel, medium dense, wet		
40-42'			0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/trace fine gravel, medium dense, wet		
42-44'			0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/trace coarse sand, fine gravel, medium dense, wet		
44-46'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
46-48'			0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, gravelly fine-coarse SAND w/fine gravel, medium loose, wet		
48-50'			0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
50-52'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, medium dense, wet		
52-54'			0.0 ppm 0.0 ppm	Light brown, fine-coarse SAND w/some fine gravel, loose, wet		
54-56'			0.0 ppm 0.0 ppm	Same as above		
56-58'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine-coarse SAND w/some fine gravel, loose, wet		
58-60'			0.0 ppm 0.0 ppm 0.0 ppm	Lt brown-orange brown, fine-coarse SAND w/some fine gravel, wet		
60-62'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Lt brown-orange brown, fine-coarse SAND w/fine gravel and some coarse gravel, wet		
62-64'			0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, gravelly fine-coarse SAND w/fine gravel, wet		
64-66'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND, medium dense, wet		
64-66'			0.0 ppm 0.0 ppm 0.0 ppm	Brown, SILT, very stiff, non-plastic, moist		
64-66'			0.0 ppm 0.0 ppm	Light orange-brown, gravelly fine SAND, loose-medium dense, wet		
66-68'			0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, fine SAND, wet, loose		
68-70'			0.0 ppm 0.0 ppm 0.0 ppm	Tan-gray, fine-medium SAND w/tan silt lens at 69', wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-07D
Location: Hempstead	Date(s): 10/02/00 - 10/03/00
Purpose: Monitoring Well, Deep	Total Depth: 132.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		0.0 ppm	0.0 ppm	Brown, fine-medium SAND w/orange-brown clay lens at 70.5', wet		
72-74'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Tan-gray, fine SAND, wet		
74-76'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Tan-gray, very fine-fine SAND, clay lens at 74.75', wet		
76-78'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Tan-gray to orange-brown, very fine-fine SAND w/orange-brown clay lens at 76', medium dense, wet		
78-80'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Tan-gray, silty very fine-fine SAND w/orange-brown clay lens at 78.75', dense-medium dense, wet		
80-82'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, silty very fine SAND, medium dense, dark brown-gray banding, wet		
82-84'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
84-86'		0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm	Same as above		
86-88'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
88-90'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
90-92'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Orange brown, clayey SILT, soft, plastic, black banding, moist		
92-94'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty very fine-fine SAND		
94-96'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown to orange-brown, silty SAND w/some clay, dense-medium dense, wet		
96-98'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
98-100'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty very fine-fine SAND w/black-gray banding, medium dense, wet		
100-102'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown-gray, very fine-fine SAND w/interbedded black-brown silty clay, dense-medium dense, wet		
102-104'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
104-106'		0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm	Same as above		
106-108'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, silty very fine-fine SAND w/trace clay, medium dense, black-gray banding, wet		
108-110'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-07D

Location: Hempstead

Date(s): 10/02/00 - 10/03/00

Purpose: Monitoring Well, Deep

Total Depth: 132.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110	0.0	110-112	0.0 ppm	Br, silty v fine-fine SAND w/trace clay, med dense, black-gray banding, wet		
111	0.0	112-114	0.0 ppm	Brown-orange brown, very fine-fine SAND w/some silt, trace clay, gray-black banding, medium dense, wet		
112	0.0	114-116	0.0 ppm	Same as above		
113	0.0	116-118	0.0 ppm	Orange brown-black, sandy CLAY, soft, plastic, gray sand lenses, moist		
114	0.0	118-120	0.0 ppm	Dk brown, CLAY w/gray sand lenses, semi-soft, non-plastic, almost dry		
115	0.0	120-122	0.0 ppm	Dk brown, CLAY, brittle, slightly plastic, very thin gray fine sand lenses, almost dry		
116	0.0		0.0 ppm			
117	0.0		0.0 ppm			
118	0.0		0.0 ppm			
119	0.0		0.0 ppm			
120	0.0	128-130	0.0 ppm	Gray, fine sandy CLAY, soft, plastic, moist		
121	0.0	130-132	0.0 ppm	Black-gray, sandy CLAY, soft, slightly plastic, moist		
122	0.0		0.0 ppm	Base of boring - 132 ft.		



Site Id: HIMW-08D

Date(s): 11/10/00 - 11/13/00

Datum: Mean Sea Level

Elevation: 65.34'

Measuring Point: 64.93'

Completed Depth: 114.00'

Total Depth: 152.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Diamond

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 25.00' to: 35.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 63.00' to: 73.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 102.00' to: 112.00'

Remarks: Includes well screens for monitoring wells: HIMW-08S, HIMW-08I and HIMW-08D

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
5		5-7'	0.0 ppm	Moderate brown, silty fine SAND w/very coarse sand-fine gravel		
		7-9'	0.0 ppm	Grayish black, fine SAND w/very coarse sand-fine gravel		
10		10-12'	0.0 ppm 2.1 ppm	Dark yellowish orange, coarse SAND w/fine gravel and little mica		
		12-14'	1.8 ppm	Dusky yellowish brown-dk yellowish orange, silty fine SAND w/some very coarse sand and fine gravel		
		14-16'	1.8 ppm	Dark yellowish orange, fine-medium SAND w/fine gravel, some silt and mica		
15		16-18'	1.60 ppm	Dark yellowish orange, medium-coarse SAND w/very coarse sand-fine gravel		
		18-20'	1.70 ppm	Dark yellowish brown, medium-coarse SAND w/some silt and fine gravel		
		20-22'	3.0 ppm	Grayish orange-dark yellowish brown, medium-very coarse SAND w/fine gravel		
		22-24'	0.0 ppm	Moderate brown, medium SAND w/coarse-very coarse sand, some silt		
		24-26'	0.0 ppm	Mod yellowish brown-grayish orange, med SAND w/some coarse-v coarse sand		
25		26-28'	0.0 ppm	Grayish orange-moderate yellowish brown, clayey fine-medium SAND w/some silt, trace very coarse sand		
		28-30'	0.0 ppm	Grayish orange, silty fine-medium SAND w/little clay and some mica, wet		
		30-32'	0.0 ppm	Moderate yellow brown, silty fine SAND w/some clay, micaceous, wet		
		32-34'	0.0 ppm	Yellow orange, coarse SAND w/thin bed of yellow brown sandy clay, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-08D
Location: Hempstead	Date(s): 11/10/00 - 11/13/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'			0.5 ppm	Moderate yellowish brown, medium-coarse SAND w/some mica, trace very coarse gravel, thinly bedded yellow brown sandy clay, wet		
32-34'			0.4 ppm	Mod yellow brown-yellow orange, med-v coarse SAND w/some f gravel, wet		
34-36'			12.2 ppm	Moderate yellowish brown, coarse SAND w/fine gravel, naphthalene-like odor, wet		
36-38'			27.3 ppm 22.6 ppm	Moderate yellowish brown, medium-coarse SAND w/very coarse sand and f gravel, some mica, naphthalene-like odor, slight sheen		
38-40'			0.0 ppm	Dark yellowish brown, medium-very coarse SAND w/fine gravel, wet		
40-42'			0.0 ppm 1.2 ppm	Dark yellowish brown, coarse-very coarse SAND, wet		
42-44'			9.7 ppm 2.7 ppm	Dark yellowish brown, coarse SAND w/very coarse sand and fine gravel, very slight naphthalene-like odor, wet		
44-46'			30 ppm	Dk yellowish brown-dk yellowish orange, medium-coarse SAND w/very coarse sand and f gravel, some mica, slight naphthalene-like odor, wet		
46-48'			52.7 ppm	Dark yellowish orange, medium-coarse SAND w/very coarse sand and fine gravel, slight naphthalene-like odor, wet		
48-50'			1.7 ppm 30.4 ppm	Dk yellowish orange, med-coarse SAND w/some f gravel, clay and silt, wet		
50-52'			33.1 ppm 31.8 ppm	Moderate yellowish brown, medium-coarse SAND w/very coarse sand and some fine gravel, slight naphthalene-like odor, wet		
52-54'			0.0 ppm 0.0 ppm	Moderate yellowish brown-moderate brown-dark yellowish orange, medium-coarse SAND w/fine-coarse gravel, some mica, wet		
54-56'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-moderate yellowish brown, med-coarse SAND w/very coarse sand-fine gravel, wet		
56-58'			0.0 ppm 0.0 ppm	Mod yellowish brown, coarse SAND w/very coarse sand-fine gravel, wet		
58-60'			0.0 ppm 0.0 ppm 0.2 ppm	Fine-coarse GRAVEL w/coarse-v coarse sand, wet, to med SAND w/f gravel		
60-62'			0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, medium SAND w/some mica, trace very coarse sand, wet		
62-64'			0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, fine-medium SAND w/trace silt, micaceous, wet		
64-66'			0.0 ppm 0.0 ppm 0.2 ppm	Dark yellowish orange, medium-very coarse SAND, w/fine gravel, wet		
66-68'			0.0 ppm 0.0 ppm 0.0 ppm	Yellowish gray, CLAY w/fine-coarse sand and gravel, very soft, wet		
			0.0 ppm 0.0 ppm 0.0 ppm	Yellowish gray, sandy CLAY w/fine gravel, soft, wet		
			0.0 ppm 0.0 ppm 0.0 ppm	Light gray, fine SAND w/some mica, trace silt, wet		
			0.0 ppm 0.0 ppm 0.0 ppm	Light and yellowish gray, fine SAND w/some mica, trace silt and clay, wet		
			0.0 ppm 0.0 ppm 0.0 ppm	Light gray, fine-medium SAND w/some silt and mica, banding of pale yellowish orange-dark gray sand, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-08D
Location: Hempstead	Date(s): 11/10/00 - 11/13/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
		70-72'		No recovery		
		72-74'	0.0 ppm	Light gray-yellowish gray and dark yellowish orange, fine-medium SAND, wet		
		74-76'	0.0 ppm	Dark yellowish orange, clayey medium-coarse SAND Pale yellowish brown, CLAY, soft		
		76-78'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, sandy CLAY, soft Grayish orange, CLAY, micaceous, medium stiff		
		78-80'	0.0 ppm 0.0 ppm	Dark yellowish brown, sandy CLAY, soft Moderate yellowish brown, medium-coarse SAND w/some mica		
		80-82'	0.0 ppm 0.0 ppm	Moderate yellowish brown, medium-coarse SAND w/trace of very coarse sand and silt, wet		
		82-84'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange, CLAY, soft, plastic, to yellowish brown, clayey med SAND Dark yellowish orange, medium SAND, wet		
		84-86'	0.0 ppm 0.0 ppm	Dark yellowish orange, medium SAND w/some mica, trace silt, wet		
		86-88'	0.0 ppm 0.0 ppm	Grayish orange, CLAY, very soft Moderate yellowish brown and pale yellowish brown, sandy CLAY		
		88-90'	0.0 ppm 0.0 ppm	Moderate yellowish brown, medium SAND w/some fine gravel, wet Yellow br and yellow gr, f-m SAND w/some mica, thinly bedded clay, wet		
		90-92'	0.0 ppm 0.0 ppm	Moderate yellowish brown and pale yellowish brown, medium SAND w/some mica, trace silt, thinly bedded clay, wet		
		92-94'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate-dark yellowish brown, sandy CLAY, soft Dk yellowish orange, fine SAND w/striations of lt gray sand, micaceous		
		94-96'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, fine-medium SAND w/some mica, trace silt, thin striations of lt gray sand, wet		
		96-98'	0.0 ppm 0.0 ppm	Dark yellowish orange, medium SAND, trace silt, micaceous, thinly bedded clay and sandy clay, wet		
		98-100'	0.0 ppm 0.0 ppm	Moderate yellowish brown, dark yellowish orange and lt gray, med SAND w/some mica, trace silt, striated, wet		
		100-102'	0.0 ppm 0.0 ppm	Dark yellowish orange, grayish yellow and light gray, med SAND w/some mica, trace silt, striated, wet		
		102-104'	0.0 ppm 0.0 ppm	Light gray and dark yellowish orange, fine-medium SAND w/some mica, trace silt, wet		
		104-106'	0.0 ppm 0.0 ppm 0.0 ppm	Light gray, yellowish gray and dark yellowish orange, medium SAND w/some mica, trace silt, striated, wet		
		106-108'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange and moderate yellowish brown, medium-coarse SAND w/some mica, wet		
		108-110'	0.0 ppm 0.0 ppm 1.4 ppm	Moderate yellowish brown and dark yellowish orange, coarse SAND w/some mica, wet		

Consulting Firm: Dvirka & Bartilucci

Site Id: HIMW-08D

Location: Hempstead

Date(s): 11/10/00 - 11/13/00

Purpose: Monitoring Well, Deep

Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112'		0.1 ppm 0.8 ppm 0.9 ppm		Mod yellowish br, med SAND w/some mica, trace and pockets of clay, wet		
112-114'		0.0 ppm 0.6 ppm 0.7 ppm 0.8 ppm		Mod yellowish brown, medium-coarse SAND w/some mica, trace clay, wet Lt yellowish brown, CLAY, trace silt, medium stiff, to silty fine SAND		
114-116'		0.7 ppm 0.2 ppm 0.5 ppm		Dark yellowish orange and dark gray, silty CLAY, soft Dark gray, CLAY, micaceous, med stiff, thinly bedded silty fine sand		
116-118'		0.0 ppm 0.9 ppm 0.8 ppm 1.3 ppm 0.2 ppm 0.3 ppm		Pale yellowish orange, CLAY, micaceous, soft Dk gray-pale yellow orange, silty CLAY, micaceous, med stiff-soft, dry Pale yellowish orange, CLAY, micaceous, soft		
118-120'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.2 ppm 0.2 ppm		Gray-yellow orange-gr orange, sandy CLAY w/some silt, micaceous, soft Dark gray, silty CLAY, micaceous, soft-medium stiff, dry Medium gray, clayey fine SAND, micaceous		
120-122'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, silty CLAY, micaceous, medium stiff, dry Medium gray, fine SAND w/some clay, micaceous		
122-124'		0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, CLAY w/some fine sand, micaceous, soft, plastic Dk gray, silty CLAY, micaceous, interbedded with med gray, fine sand		
124-126'		0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, CLAY, micaceous, soft, interbedded with medium gray, fine micaceous sand		
126-128'		0.0 ppm 0.0 ppm 0.0 ppm		Dark gray and pale yellowish orange, silty CLAY, micaceous, medium stiff-soft		
128-130'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, CLAY, micaceous, med stiff-soft, interbedded w/fine sand Med gray, silty fine SAND w/thinly bedded dark gray clay, micaceous Dark gray, CLAY w/little silt, micaceous, medium stiff		
130-132'		0.0 ppm 0.0 ppm 0.0 ppm		Medium gray, silty fine SAND, micaceous, interbedded with dark gray, micaceous silty clay		
132-134'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, CLAY, trace silt, micaceous, medium stiff Med gray, silty fine SAND w/thinly bedded dark gray clay, micaceous Dk gray, CLAY w/micaceous silty f sand, trace silt, micaceous, soft		
134-136'		0.0 ppm 0.0 ppm		Med gray, silty fine SAND w/thinly bedded dark gray clay, micaceous Dark gray, silty CLAY, micaceous, medium stiff, interbedded with medium gray, micaceous silty fine sand		
136-138'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, silty CLAY, micaceous, medium stiff, interbedded with medium gray, micaceous silty fine sand		
138-140'		0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, silty CLAY, micaceous, medium stiff		
140-142'		0.0 ppm 0.0 ppm 0.0 ppm		Medium gray, silty fine SAND w/thinly bedded dark gray clay, micaceous		
142-144'		0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, silty CLAY, micaceous, medium stiff		
144-146'		0.0 ppm 0.0 ppm 0.0 ppm		Medium gray, silty fine SAND w/thinly bedded dark gray clay, micaceous		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-08D
Location: Hempstead	Date(s): 11/10/00 - 11/13/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
150		150 - 152	0.0 ppm 0.0 ppm	Dark gray, CLAY w/silty fine sand, trace silt, micaceous, med stiff Base of boring - 152 ft.		
155						
160						
165						
170						
175						
180						
185						



Site Id: HIMW-09D

Date(s): 10/31/00 - 11/01/00

Datum: Mean Sea Level

Elevation: 70.39'

Measuring Point: 69.96'

Completed Depth: 125.00'

Total Depth: 152.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Lagged By: J. Diamond

Drilling Method: Hand Auger 0-5', Hol. Stem Auger 5-152'

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 28.00' to: 38.00'
 type: Slotted size: 0.020in dia: 2.00in fm: 70.00' to: 80.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 113.00' to: 123.00'

Remarks: Includes well screens for monitoring wells: HIMW-09S, HIMW-09I and HIMW-09D

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-5'				Concrete		
5-7'			0.0 ppm 0.3 ppm 0.0 ppm	Grayish black, silty fine SAND, to moderate brown, CLAY w/some silt, soft Moderate brown, coarse-very coarse SAND w/fine gravel Dark yellowish brown, coarse SAND w/fine gravel Dark yellowish orange-light brown, medium-coarse SAND w/some fine gravel, trace silt		
10-12'			0.0 ppm 0.0 ppm	Dark yellowish orange and light brown, coarse-very coarse SAND w/fine gravel		
15-17'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange and light brown, medium SAND w/little fine gravel Very pale orange and dark yellowish orange, medium-coarse SAND w/little fine gravel		
20-22'			0.0 ppm 0.0 ppm	Dark-pale yellowish orange and very pale orange, medium-coarse SAND w/fine-coarse gravel, trace v coarse sand, some mica		
25-27'			0.0 ppm 0.0 ppm	Very pale orange, medium SAND w/fine-coarse gravel		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-09D
Location: Hempstead	Date(s): 10/31/00 - 11/01/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'		30-32'	0.0 ppm 0.0 ppm	Grayish orange, fine-medium SAND w/some very coarse sand-fine gravel Dk yellow brown, clayey coarse-very coarse SAND w/fine-coarse gravel, to dark yellow orange, coarse-v coarse SAND w/fine gravel		
35-37'		35-37'	0.0 ppm 0.0 ppm 0.0 ppm	Dk yellow orange-mod yellow brown, coarse-v coarse SAND w/f gravel, wet Fine-coarse GRAVEL w/grayish orange, coarse-very coarse sand, some mica		
40-42'		40-42'	0.0 ppm 0.0 ppm	Grayish orange and moderate yellowish brown, medium-coarse SAND w/some fine gravel, wet		
42-44'		42-44'	0.0 ppm 0.0 ppm	Dark yellowish orange, coarse-very coarse SAND w/some fine gravel, trace mica, wet		
44-46'		44-46'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet		
46-48'		46-48'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium-coarse SAND w/very coarse sand and fine gravel, wet		
48-50'		48-50'	0.0 ppm 123 ppm 52.3 ppm 0.0 ppm	Grayish orange, coarse-very coarse SAND w/fine gravel, a thin bed of moderate yellowish brown, clayey fine-coarse sand, wet		
50-52'		50-52'	0.0 ppm 9.8 ppm 7.8 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet Mod yellowish brown, med-coarse SAND w/some silt, trace f gravel and mica		
52-54'		52-54'	23.0 ppm 69.3 ppm 96.5 ppm	Grayish orange, medium-coarse SAND w/very coarse sand-fine gravel		
54-56'		54-56'	671 ppm 572 ppm 735 ppm	Grayish orange, medium SAND w/some mica, wet Grayish orange, coarse SAND w/very coarse sand and fine gravel, wet		
56-58'		56-58'	121 ppm 725 ppm 708 ppm 245 ppm	Grayish orange-moderate yellowish brown, medium-coarse SAND w/very coarse sand and fine gravel		
58-60'		58-60'	219 ppm 232 ppm 305 ppm 244 ppm	Moderate yellowish brown, medium-coarse SAND w/very coarse sand and fine gravel, wet		
60-62'		60-62'	0.0 ppm	Moderate yellowish brown, coarse SAND w/fine and coarse gravel		
62-64'		62-64'	0.0 ppm 5.5 ppm 7.1 ppm	Grayish orange-mod yellowish br, coarse-v coarse SAND w/f-c gravel, wet Moderate yellowish brown, medium-coarse SAND w/some fine gravel, wet		
64-66'		64-66'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange, coarse-very coarse SAND w/fine gravel, wet Moderate yellowish brown, medium-very coarse SAND, trace mica and silt		
66-68'		66-68'	0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse SAND w/some very coarse SAND		



Consulting Firm: Dvirka & Bartilucci		Site Id: HIMW-09D	
Location: Hempstead		Date(s): 10/31/00 - 11/01/00	
Purpose: Monitoring Well, Deep		Total Depth: 152.00'	

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.0 ppm	Pale-moderate yellowish brown, med-coarse SAND w/little fine gravel, wet		
72-74'		72-74'	0.0 ppm 0.0 ppm 0.0 ppm	Pale yellowish brown-dark yellowish orange, medium-coarse SAND w/some fine gravel, wet		
74-76'		74-76'	0.0 ppm 0.0 ppm	Dark yellowish orange, medium SAND w/some coarse gravel, wet		
76-78'		76-78'	0.0 ppm 0.0 ppm	Yellowish gray and medium-light gray, fine-medium SAND w/v thinly bedded medium-dark gray, clayey sand, some mica, trace silt		
78-80'		78-80'	0.0 ppm	Lt gray and yellowish orange, fine-med SAND w/some mica, trace silt, wet		
80-82'		80-82'	0.0 ppm 0.0 ppm	Grayish yellow-yellowish gray, fine-medium SAND, wet		
82-84'		82-84'	0.0 ppm 0.0 ppm	Light gray and yellowish gray, fine SAND w/very thinly bedded brownish gray clay, some silt, clay and mica		
84-86'		84-86'	0.0 ppm 0.0 ppm	Lt gray and grayish orange-yellowish orange, fine-coarse SAND w/some clay and mica, interbedded w/yellow br-yellow orange, clay, soft		
86-88'		86-88'	0.0 ppm 0.0 ppm	Mod yellowish brown and lt-dk yellowish orange, medium SAND w/thinly bedded very pale orange clay, some mica		
88-90'		88-90'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium SAND w/thinly bedded clay, some mica, wet		
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium SAND w/thinly bedded medium gray, clayey sand, little silt, some mica		
92-94'		92-94'	0.0 ppm 0.0 ppm	Dk yellowish orange and yellowish brown, med-coarse SAND w/some mica, a thin bed of dk yellowish orange and pale reddish brown, clay		
94-96'		94-96'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dk yellowish orange, mod yellowish brown and lt gray, med SAND w/thinly bedded mod yellowish brown clay, some silt, micaceous, wet		
96-98'		96-98'	0.0 ppm 0.0 ppm	Dark yellowish orange and mod yellowish brown, medium micaceous SAND w/thinly bedded dark gray, micaceous clayey sand		
98-100'		98-100'	0.0 ppm 0.0 ppm	Medium-dark gray, yellowish gray and grayish orange, medium SAND, trace silt, micaceous, wet		
100-102'		100-102'	0.0 ppm 0.0 ppm	Dark yellowish orange, medium SAND w/thinly bedded moderate brown, sandy clay, some clay, micaceous		
102-104'		102-104'	0.0 ppm 0.0 ppm	Dark yellowish orange and light brown, coarse SAND w/pockets of dark gray, micaceous silty fine sand, micaceous, dense, wet		
104-106'		104-106'	0.0 ppm 0.0 ppm	Moderate brown, dark yellowish orange and grayish orange, coarse SAND w/clay and mica, thinly bedded clayey coarse sand, wet		
106-108'		106-108'	0.0 ppm 0.0 ppm	Dark yellowish orange, sandy CLAY, soft		
108-110'		108-110'	0.0 ppm 0.0 ppm	Mod reddish orange and yellow br-orange, clayey med SAND, micaceous, wet		
			0.0 ppm 0.0 ppm	Moderate yellowish brown, medium SAND w/thinly bedded clayey sand, trace silt, micaceous		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-09D
Location: Hempstead	Date(s): 10/31/00 - 11/01/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112'		0.0 ppm	0.0 ppm	Yellow br-gr orange, m SAND w/lenses of sandy clay, trace silt, micaceous		
112-114'		0.0 ppm 65.9 ppm	0.0 ppm	Moderate-pale yellowish brown and dark yellowish orange, medium SAND w/some mica, little silt, wet		
114-116'		0.0 ppm 0.0 ppm	0.0 ppm	Moderate yellowish brown, fine-medium SAND w/some mica, trace silt, wet		
116-118'		0.0 ppm 250 ppm	0.0 ppm	Moderate yellowish brown, yellowish gray and dark yellowish orange, fine-medium SAND w/some mica, wet		
118-120'		155 ppm 54.8 ppm 68.5 ppm	0.0 ppm	Grayish orange and dark yellowish orange-moderate yellowish brown, medium SAND w/some mica, trace silt, wet		
120-122'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm	Grayish orange, medium SAND w/some mica, wet		
122-124'		383 ppm 350 ppm 131 ppm 123 ppm 212 ppm 117 ppm	0.0 ppm	Moderate yellowish brown and light brown, medium-coarse SAND, wet		
124-126'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm	Moderate yellowish brown, coarse SAND w/some v coarse sand and mica, wet		
126-128'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm	Dark gray, silty CLAY w/thin beds of medium gray, micaceous medium sand, micaceous, stiff		
128-130'		0.0 ppm 0.8 ppm	0.0 ppm	Dark gray, CLAY w/medium sand and thinly bedded medium gray, medium sand, micaceous, moderately soft		
130-132'		0.1 ppm 0.0 ppm 0.0 ppm 0.0 ppm 0.4 ppm 1.2 ppm	0.0 ppm	Medium gray, medium SAND, micaceous, interbedded with dark gray clay, moderately soft, micaceous, wet		
132-134'		0.3 ppm	0.0 ppm	Medium gray, fine-medium SAND w/thinly bedded dark gray clay and lignite, micaceous		
134-136'		0.0 ppm 0.0 ppm	0.0 ppm	Medium gray, fine-medium SAND, micaceous, interbedded with lignite		
136-138'		0.0 ppm 0.0 ppm	0.0 ppm	Medium gray, fine-medium SAND w/trace silt, micaceous, interbedded with dark gray, micaceous silty clay, wet		
138-140'		0.0 ppm	0.0 ppm	Medium gray, clayey fine SAND, micaceous, interbedded with dark gray, micaceous silty clay		
140-142'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm	Medium-dark gray, clayey fine SAND, micaceous, interbedded with dk gray, micaceous clay, medium stiff		
142-144'		0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm	Dark gray, CLAY, micaceous, soft-medium stiff, interbedded with medium gray, micaceous fine sand w/lignite		
144-146'		0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	0.0 ppm	Medium-dark gray, clayey coarse SAND, micaceous, interbedded with some dark gray, micaceous clay, medium stiff		
146-148'		0.0 ppm 0.0 ppm	0.0 ppm	Dark gray-brownish gray, CLAY, micaceous, soft-stiff		
148-150'		0.0 ppm 0.0 ppm	0.0 ppm	Brownish gray, CLAY w/some silt, micaceous, stiff		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-09D
Location: Hempstead	Date(s): 10/31/00 - 11/01/00
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
150-152		150-152'	0.0 ppm 0.0 ppm	Grayish brown, CLAY w/some mica, little silt, stiff Base of boring - 152 ft.		
155						
160						
165						
170						
175						
180						
185						



Site Id: HIMW-10D

Date(s): 09/19/00 - 09/20/00

Datum: Mean Sea Level

Elevation: 71.74'

Measuring Point: 71.44'

Completed Depth: 134.50'

Total Depth: 139.00'

Screens:

type: Slotted size: 0.010in dia: 2.00in fm: 28.00' to: 38.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 80.50' to: 90.50'
 type: Slotted size: 0.010in dia: 2.00in fm: 122.50' to: 132.50'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Diamond

Drilling Method: Hand Auger 0-5', Hol. Stem Auger 5-139'

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Remarks: Includes well screens for monitoring wells: HIMW-10S, HIMW-10I and HIMW-10D

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-5'				TOPSOIL, grass Dark yellowish brown, fine sandy SILT w/fine-coarse gravel, some mica		
5-7'			1.5 ppm 2.4 ppm	Grayish orange, medium-coarse SAND w/very coarse sand-fine gravel, little mica		
10-12'			0.0 ppm 0.0 ppm	Dark yellowish orange and light brown, coarse-very coarse SAND w/fine gravel		
12-14'			7.6 ppm 7.6 ppm	Yellowish gray, coarse-very coarse SAND w/fine gravel Grayish orange-moderate yellowish brown, medium-v coarse SAND, some mica		
14-16'			1.7 ppm 1.0 ppm	Moderate yellowish brown-dark yellowish orange, medium-very coarse SAND w/fine gravel, little coarse gravel		
16-18'			0.0 ppm 1.5 ppm 1.3 ppm	Dark yellowish orange-moderate yellowish brown, medium-coarse SAND w/v coarse sand-coarse gravel		
18-20'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium-very coarse SAND w/some fine gravel		
20-22'			0.0 ppm 0.0 ppm	Moderate yellowish brown-dark yellowish orange, coarse-very coarse SAND w/fine gravel		
22-24'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium-coarse SAND w/fine gravel, little mica		
24-26'			0.0 ppm 0.0 ppm	Dark yellowish orange-moderate yellow brown, medium-very coarse SAND w/fine gravel, iron oxide staining		
26-28'			62.5 ppm 34.6 ppm 4.3 ppm	Dark yellowish orange-grayish orange, medium-very coarse SAND w/fine gravel, slight hydrocarbon-like odor		
28-30'			25.8 ppm 140.3 ppm 116.4 ppm	Grayish orange-dark yellowish orange, med-v coarse SAND w/fine gravel, petroleum/hydrocarbon-like odor, slight sheen and staining		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-10D
Location: Hempstead	Date(s): 09/19/00 - 09/20/00
Purpose: Monitoring Well, Deep	Total Depth: 139.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'			139.6 ppm 109.1 ppm	Br-yellow br, m-c SAND w/f-c gravel, hydrocarbon-like odor, sheen, wet		
32-34'			4.0 ppm 37.3 ppm	Mod yellow brown and lt brown, med-v coarse SAND w/fine-coarse gravel, some clay, petroleum/hydrocarbon-like odor, slight sheen, wet		
34-36'			2.0 ppm 1.4 ppm 2.8 ppm	Moderate yellowish brown, fine-very coarse SAND w/fine-coarse gravel, some clay, wet		
36-38'			0.0 ppm 0.0 ppm	Dark yellowish orange-light brown, medium-very coarse SAND w/fine-coarse gravel, wet		
38-40'			0.0 ppm 0.0 ppm	Light brown, coarse-very coarse SAND w/fine gravel, wet		
40-42'			2.1 ppm 0.4 ppm 0.0 ppm	Light brown, medium-very coarse SAND w/fine and coarse gravel, wet		
42-44'			0.0 ppm 0.0 ppm 0.0 ppm	Light brown, coarse-very coarse SAND w/fine gravel, wet Light brown, medium-coarse SAND w/some fine gravel, trace silt, wet		
44-46'			0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse-v coarse SAND w/some f gravel, wet Dark yellowish orange, medium SAND w/trace fine gravel, some mica		
46-48'			5.2 ppm 4.0 ppm 0.9 ppm 0.3 ppm 3.1 ppm	Dark yellowish orange, medium-coarse SAND w/little fine gravel, wet Dark yellowish orange, coarse SAND w/fine gravel, wet		
48-50'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium-coarse SAND w/some fine gravel		
50-52'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/f gravel, wet Dk yellowish orange, medium-v coarse SAND w/fine gravel, some mica		
52-54'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish brown, coarse-very coarse SAND w/fine gravel, wet		
54-56'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dk yellowish brown, medium-coarse SAND w/very coarse sand-fine gravel, wet		
56-58'			0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, coarse SAND w/very coarse sand-fine gravel, wet		
58-60'			0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, medium-coarse SAND w/very coarse sand-fine gravel, wet		
60-62'			0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet		
62-64'			0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet Moderate yellowish brown, fine-coarse SAND w/some mica		
64-66'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Pale yellowish brown, medium-coarse SAND w/very coarse sand-fine gravel, wet		
66-68'			0.0 ppm 0.0 ppm 0.0 ppm	Pale-dark yellowish brown, medium-coarse SAND, w/very coarse sand-fine gravel, some mica, wet		
68-70'			0.0 ppm 0.0 ppm 0.0 ppm	Pale yellowish brown, coarse-very coarse SAND w/fine gravel, wet Grayish orange, medium-coarse SAND w/some fine gravel, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-10D
Location: Hempstead	Date(s): 09/19/00 - 09/20/00
Purpose: Monitoring Well, Deep	Total Depth: 139.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.0 ppm 0.0 ppm	Grayish orange, medium-very coarse SAND w/some fine gravel		
72-74'		72-74'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange, medium-coarse SAND w/some fine gravel, wet		
74-76'		74-76'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange, medium-coarse SAND w/very coarse sand, some fine gravel and mica, wet		
76-78'		76-78'	0.0 ppm 0.0 ppm 0.0 ppm	Mod yellowish brown, coarse-very coarse SAND w/fine-coarse gravel, wet		
78-80'		78-80'	0.0 ppm 0.0 ppm	Same as above		
80-82'		80-82'	0.0 ppm 0.0 ppm	Dark yellowish orange, silty clayey fine SAND, micaceous, wet		
82-84'		82-84'	0.0 ppm 0.0 ppm 0.0 ppm	Yellowish gray to medium-light gray, silty clayey fine SAND w/some mica		
84-86'		84-86'	0.0 ppm 0.0 ppm	Yellow gr, f SAND w/trace silt and mica, thin layers of f sand and silt		
86-88'		86-88'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, fine-medium SAND w/some mica		
88-90'		88-90'	0.0 ppm 0.0 ppm	Dk yellowish orange, CLAY w/lt brown clayey sand, micaceous, med stiff		
90-92'		90-92'	0.0 ppm 0.0 ppm	Dark yellowish orange-lt br, fine-med SAND w/trace silt, some mica, wet		
92-94'		92-94'	0.0 ppm 0.0 ppm	Dark yellowish orange, fine-medium SAND, micaceous, wet		
94-96'		94-96'	0.0 ppm 0.0 ppm	Pale yellowish brown and dark yellowish orange, fine-medium SAND w/thinly bedded pale yellowish brown clay and mica		
96-98'		96-98'	0.0 ppm 0.0 ppm	Dk yellowish orange, medium SAND w/pale yellow brown, medium stiff clay		
98-100'		98-100'	0.0 ppm 0.0 ppm	Medium-light gray and dark yellowish orange, medium SAND, micaceous		
100-102'		100-102'	0.0 ppm 0.0 ppm	Dark yellowish orange and lt brown, med SAND w/thinly bedded clay, mica		
102-104'		102-104'	0.0 ppm 0.0 ppm	Dusky yellowish brown and light brown, medium SAND, micaceous, wet		
104-106'		104-106'	0.0 ppm 0.0 ppm	Yellowish gray and dusky yellow, medium SAND, trace silt, micaceous, wet		
106-108'		106-108'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
108-110'		108-110'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-100
Location: Hempstead	Date(s): 09/19/00 - 09/20/00
Purpose: Monitoring Well, Deep	Total Depth: 139.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110		110-112'	0.5 ppm	Dk yellowish orange and grayish orange, m SAND w/trace clay, micaceous		
112		112-114'	0.8 ppm 1.7 ppm	Dark yellowish orange and grayish orange, medium SAND, trace silt, micaceous, wet		
114		114-116'	0.0 ppm 0.0 ppm	Same as above, no silt		
116		116-118'	0.0 ppm 0.0 ppm	Dark yellowish orange, medium SAND, micaceous, wet		
118		118-120'	0.0 ppm 0.0 ppm	Same as above		
120		120-122'	0.0 ppm 0.0 ppm	Dark yellowish orange and medium gray, medium SAND w/stringers of medium-light gray, clayey fine sand, micaceous, wet		
122		122-124'	0.0 ppm 0.0 ppm 0.0 ppm	Dk yellowish orange and lt-mod brown, m-c SAND w/gravel, some mica, wet Pale yellowish br and pale yellowish orange, m-c SAND w/f gravel, wet		
124		124-126'	0.0 ppm 0.0 ppm 0.0 ppm	Mod yellowish brown, med-coarse SAND w/stringers of clayey f sand, wet Med-lt gray and dk yellowish orange, fine SAND w/trace clay, micaceous		
126		126-128'	0.0 ppm 0.0 ppm	Dark gray, silty CLAY, micaceous, stiff		
128		128-130'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish bk, m SAND w/silt, some clay, interbedded w/dk gr micaceous clay Dark gray, clayey fine-medium SAND, micaceous, interbedded w/dark gray clay, micaceous, soft, wet		
130		130-132'	0.0 ppm 0.0 ppm	Medium-dark gray, fine-medium micaceous SAND w/dark gray soft micaceous clay		
132						
134		135-137'	0.0 ppm 0.0 ppm 0.0 ppm	Dark gray, CLAY w/some silt, micaceous, medium stiff		
136		135-139'	0.0 ppm 0.0 ppm 0.0 ppm	Dark gray, CLAY w/some silt, thin lenses of medium gray fine sand, micaceous, medium stiff		
138				Base of boring - 139 ft.		



Site Id: HIMW-11D

Date(s): 10/23/00 - 10/24/00

Datum: Mean Sea Level

Elevation: 71.61'

Measuring Point: 71.39'

Completed Depth: 121.00'

Total Depth: 126.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Schafer

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Screens:
 type: Slotted size: 0.020in dia: 2.00in fm: 28.00' to: 38.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 80.00' to: 90.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 109.00' to: 119.00'

Remarks: Includes well screens for monitoring wells:
 HIMW-11S, HIMW-11I and HIMW-11D

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-2'				No recovery		
2-4'			0.0 ppm	Black, SILT w/some fine gravel, soft, non-plastic		
4-6'			187 ppm	Black, clayey SILT, soft, plastic to gray, silty gravelly fine-coarse SAND w/fine gravel, loose, petroleum-like odor, dry		
6-8'			119 ppm 92 ppm	Dark gray, CLAY, soft, plastic, petroleum-like odor, moist		
8-10'			96 ppm 314 ppm	Dark gray, CLAY, soft, plastic, moist to light brown, fine-coarse SAND w/fine gravel, loose, moist, petroleum-like odor		
10-12'			283 ppm 203 ppm	Light brown, fine-coarse SAND w/fine gravel, petroleum-like odor		
12-14'			213 ppm	Brown, fine-coarse SAND w/some fine gravel, petroleum-like odor		
14-16'			119 ppm 133 ppm	Same as above		
16-18'			201 ppm 96 ppm	Brown, fine-coarse SAND w/some fine gravel, petroleum-like odor, intermittent black to brown staining		
18-20'			122 ppm 167 ppm 190 ppm	Brown, fine-coarse SAND w/some fine gravel, trace coarse gravel, petroleum-like odor, lenses of black staining w/NAPL, wet		
20-22'			101 ppm 112 ppm	Brown, fine-coarse SAND w/fine gravel, petroleum-like odor, some black staining		
22-24'			144 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine gravel, petroleum-like odor, intermittent brown staining		
24-26'			168 ppm 219 ppm 280 ppm	Brown-tan, fine-coarse SAND w/fine gravel, petroleum-like odor, lenses of brown staining w/NAPL, moist to wet		
26-28'			195 ppm 194 ppm 230 ppm	Brown, fine-coarse SAND w/fine gravel, petroleum-like odor, some brown staining		
28-30'			231 ppm 275 ppm 290 ppm	Light brown, fine-coarse SAND w/fine gravel, petroleum-like odor, black-brown staining		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-11D
Location: Hempstead	Date(s): 10/23/00 - 10/24/00
Purpose: Monitoring Well, Deep	Total Depth: 126.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
		30-32'	208 ppm	Br, f-c SAND w/f gravel, petroleum-like odor, br staining, sheen, wet at 31'		
		32-34'	190 ppm 150 ppm 76 ppm	Brown to gray, gravelly fine to coarse SAND w/fine-coarse gravel, petroleum-like odor, slight staining, sheen, wet		
		34-36'	176 ppm 41 ppm	Gray to light brown, fine-coarse SAND w/fine gravel, petroleum-like odor, slight staining, sheen, wet		
		36-38'	0.0 ppm 5.4 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, slight petroleum-like odor, loose, wet		
		38-40'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet		
		40-42'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		42-44'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		44-46'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, gravelly fine-coarse SAND w/fine gravel, loose, wet		
		46-48'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet		
		48-50'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		50-52'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine-medium SAND w/some coarse sand and fine gravel, loose, wet		
		52-54'	0.0 ppm 0.0 ppm 0.0 ppm	Light brown, fine-coarse SAND w/trace fine gravel, loose, wet		
		54-56'	0.0 ppm 0.0 ppm 0.0 ppm	Light orange-brown, fine-coarse SAND w/fine gravel and some coarse gravel, loose, wet		
		56-58'	0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/trace fine gravel, loose, wet		
		58-60'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine gravel, loose, wet		
		60-62'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
		62-64'	0.0 ppm 0.0 ppm 0.0 ppm	Light yellow-brown, fine SAND w/some silt and clay lenses, medium dense-dense, wet		
		64-66'	0.0 ppm 0.0 ppm 0.0 ppm	Yellow-brown, fine SAND w/some silt and clay, medium dense-dense, wet		
		66-68'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown to brown, fine SAND w/silt, medium dense-dense, wet		
		68-70'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown to brown, fine SAND w/some silt, medium dense, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-11D
Location: Hempstead	Date(s): 10/23/00 - 10/24/00
Purpose: Monitoring Well, Deep	Total Depth: 126.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.0 ppm 0.0 ppm	Orange-brown, fine SAND w/some silt and clay, medium dense-dense, wet		
72-74'		72-74'	0.0 ppm 0.0 ppm 0.0 ppm	Brown-tan, silty fine SAND, medium dense, wet		
74-76'		74-76'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/some silt, medium dense, wet		
76-78'		76-78'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/some silt, medium dense-dense, wet		
78-80'		78-80'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, very fine-fine SAND w/some silt, medium dense-dense, wet		
80-82'		80-82'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
82-84'		82-84'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, very fine-fine SAND w/silt, slight clay lenses, gray-brown banding, medium dense-dense, wet		
84-86'		84-86'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
86-88'		86-88'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
88-90'		88-90'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/some silt, medium dense, wet		
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/some silt, clay lenses, medium dense		
92-94'		92-94'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-medium SAND w/gray clay lenses, medium dense-dense, wet		
94-96'		94-96'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine SAND w/some silt, gray-black banding, medium dense, wet		
96-98'		96-98'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
98-100'		98-100'	0.0 ppm 0.0 ppm 0.0 ppm	Gray-brown, very stiff CLAY, slightly plastic, moist		
100-102'		100-102'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, silty very fine-fine SAND w/some clay lenses, gray-black banding, medium dense-dense, wet		
102-104'		102-104'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
104-106'		104-106'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/silt, black-gray clay lenses, medium dense, wet		
106-108'		106-108'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, very fine-fine SAND w/some silt, clay lenses, black-gray banding, medium dense-dense, moist-wet		
108-110'		108-110'	0.0 ppm 0.0 ppm	Brown, very fine-fine SAND w/some silt, medium dense, wet		
			0.0 ppm 0.0 ppm	Brown, very fine-fine SAND w/some silt, gray-black banding, medium dense, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-11D
Location: Hempstead	Date(s): 10/23/00 - 10/24/00
Purpose: Monitoring Well, Deep	Total Depth: 126.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110		110-112'	0.0 ppm	Brown, v fine-fine SAND w/some silt, gray-bk banding, medium dense, wet		
112		112-114'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
114		114-116'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/trace silt, black-gray banding, medium dense, wet		
116		116-118'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine-med SAND w/some silt, some maroon colored sand, dense, wet Brown, fine-medium SAND w/some silt, medium dense, wet		
118		118-120'	0.0 ppm 0.0 ppm 0.0 ppm	Dark brown, CLAY, semi-stiff, plastic, moist Gray, very fine-fine SAND, medium dense, wet		
120		120-122'	0.0 ppm 0.0 ppm 0.0 ppm	Black, silty very fine-fine SAND w/silt, medium dense, wet Dark brown, CLAY w/very fine sand lenses, plastic, stiff		
122		122-124'	0.0 ppm 0.0 ppm 0.0 ppm	Dark brown, CLAY w/very fine sand lenses, plastic, stiff, moist		
124		124-126'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above		
				Base of boring - 126 ft.		



Site Id: HIMW-12D

Date(s): 12/28/00 - 01/02/01

Datum: Mean Sea Level

Elevation: 62.09'

Measuring Point: 61.82'

Completed Depth: 129.00'

Total Depth: 182.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Diamond

Drilling Method: Hand Auger 0-5', Hol. Stem Auger 5-182'

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 22.00' to: 32.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 63.00' to: 73.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 117.00' to: 127.00'

Remarks: Includes well screens for monitoring wells: HIMW-12S, HIMW-12I and HIMW-12D

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0-5'		0-5'		Asphalt		
5-7'		5-7'	0.0 ppm 0.0 ppm 0.0 ppm	Dusky yellowish brown, med-coarse SAND w/fine-coarse gravel, trace silt		
10-12'		10-12'	0.0 ppm 0.0 ppm	Dark yellowish brown, coarse-very coarse SAND w/fine-coarse gravel		
15-17'		15-17'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate brown-moderate yellowish brown, fine SAND w/some mica, trace silt		
20-22'		20-22'	0.0 ppm 0.0 ppm	Moderate brown, medium-coarse SAND w/some fine gravel, mica, trace silt		
22-24'		22-24'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-moderate yellowish brown, medium-very coarse SAND w/fine gravel, some mica, moist		
24-26'		24-26'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate-dark yellowish brown, medium-coarse SAND w/some fine gravel and mica, wet		
26-28'		26-28'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/some f gravel, wet		
28-30'		28-30'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium-very coarse SAND, some fine gravel		
30-32'		30-32'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, medium-coarse SAND w/some very coarse sand and fine gravel, wet		
32-34'		32-34'	0.0 ppm 0.1 ppm	Dark yellowish brown-dark yellowish orange, coarse-very coarse SAND w/fine gravel, trace silt, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-12D
Location: Hempstead	Date(s): 12/28/00 - 01/02/01
Purpose: Monitoring Well, Deep	Total Depth: 182.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'		0.1 ppm 0.0 ppm		Lt brown-yellowish brown-yellowish orange, coarse SAND w/some mica, wet		
32-34'		0.0 ppm 0.3 ppm 0.1 ppm		Moderate yellowish brown-dark yellowish orange, coarse-very coarse SAND w/fine gravel, trace silt, wet		
34-36'		0.0 ppm 0.0 ppm 0.0 ppm		Dark yellowish orange, medium-coarse SAND w/very coarse sand and fine gravel, little mica, wet		
36-38'		0.0 ppm 0.0 ppm 1.1 ppm		Dark yellowish orange-pale yellowish brown, medium-very coarse SAND w/some f gravel, little mica, hydrocarbon-like odor, wet		
38-40'		1.2 ppm 3.0 ppm 6.1 ppm 4.1 ppm		Yellowish gray and medium-dark gray, coarse-very coarse SAND w/fine gravel, slight hydrocarbon-like odor, discoloration, wet		
40-42'		0.0 ppm 0.9 ppm 3.3 ppm		Same as above, no discoloration		
42-44'		7.0 ppm 0.0 ppm 2.8 ppm 2.2 ppm		Yellowish gray, coarse-very coarse SAND w/some fine gravel, trace mica		
44-46'		0.0 ppm 1.6 ppm 1.9 ppm		Yellowish gray-moderate yellowish brown, medium-very coarse SAND w/some fine gravel and little mica, wet		
46-48'		0.0 ppm 1.2 ppm 0.0 ppm		Moderate yellowish brown, medium SAND w/little mica, trace silt, wet		
48-50'		0.0 ppm 0.0 ppm 0.0 ppm		Mod yellow brown, med-very coarse SAND w/little f gravel and mica, wet		
50-52'		0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow orange-mod yellow brown, m-c SAND w/f gravel, some mica, wet		
52-54'		0.0 ppm 0.0 ppm 0.0 ppm		Mod yellow brown, med-very coarse SAND w/fine gravel, some mica, wet		
54-56'		0.0 ppm 0.0 ppm 0.0 ppm		Mod yellow brown, coarse-very coarse SAND w/fine gravel, little mica		
56-58'		0.0 ppm 0.0 ppm 5.6 ppm 1.2 ppm 3.2 ppm		Moderate yellowish brown, medium-very coarse SAND, some fine gravel, mica, wet		
58-60'		0.0 ppm 1.2 ppm 1.3 ppm		Lt yellowish br, med-v coarse SAND, some f gravel and little mica, wet		
60-62'		0.0 ppm 0.0 ppm 3.9 ppm 4.9 ppm 1.1 ppm 1.4 ppm		Dark yellowish orange, medium-coarse SAND w/some mica, wet		
62-64'		0.0 ppm 0.0 ppm		Lt yellowish brown, med-coarse SAND w/some mica, little f gravel, wet		
64-66'		5.6 ppm 1.2 ppm 3.2 ppm		Yellowish gray-pale yellowish orange, medium SAND w/some mica, wet		
66-68'		0.0 ppm 1.2 ppm 1.3 ppm		Moderate yellowish brown, medium-coarse SAND w/some mica, wet		
68-70'		0.0 ppm 0.0 ppm		Pale yellowish orange, medium SAND w/little mica, trace clay		
70-72'		3.9 ppm 4.9 ppm 1.1 ppm 1.4 ppm		Dark yellowish orange, medium SAND w/some mica, wet		
72-74'		0.0 ppm 0.0 ppm		Dark yellow orange, clayey fine-med SAND w/f gravel, some mica, wet		
74-76'		0.0 ppm 0.0 ppm		Grayish orange, coarse SAND w/some mica, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-12D
Location: Hempstead	Date(s): 12/28/00 - 01/02/01
Purpose: Monitoring Well, Deep	Total Depth: 182.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.4 ppm 0.2 ppm	Dark yellowish orange, clayey coarse SAND w/some mica, wet		
75-77'		75-77'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, coarse SAND w/some mica, wet		
80-82'		80-82'	0.3 ppm 0.2 ppm 0.0 ppm	Grayish orange, coarse SAND w/some mica, trace silt, wet		
85-87'		85-87'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange, coarse SAND w/fine gravel, some mica, trace silt, wet Grayish yellow and medium-dark gray, medium SAND w/very coarse sand, micaceous, trace silt		
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dk yellow orange, coarse SAND w/mica, little f gravel, trace silt, wet Light brown-pale yellowish brown, medium SAND w/mica, trace fine gravel and silt, wet		
95-97'		95-97'	0.5 ppm 2.2 ppm 1.2 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet Dark yellowish orange, medium-coarse SAND w/some mica, trace clay, wet		
100-102'		100-102'	0.0 ppm 0.0 ppm 0.0 ppm	Yellowish gray, fine-medium SAND, micaceous, wet Moderate yellowish brown, medium SAND w/some mica, wet		
105-110'		105-110'	0.3 ppm 0.4 ppm 0.4 ppm 0.5 ppm	Yellowish br, medium SAND w/some mica, trace coarse sand and silt, wet Moderate yellowish brown-light brown, coarse SAND w/mica, wet		

Consulting Firm: Dvirka & Bartilucci		Site Id: HIMW-120	
Location: Hempstead		Date(s): 12/28/00 - 01/02/01	
Purpose: Monitoring Well, Deep		Total Depth: 182.00'	

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112		110-112	0.0 ppm 0.4 ppm 0.6 ppm	Pale yellowish brown-dark yellowish orange, med SAND, micaceous, wet Dark gray, clayey fine SAND, micaceous		
115-117		115-117	0.0 ppm 1.8 ppm 0.3 ppm	Gray orange-yellow orange, med-coarse SAND, micaceous, trace silt, wet Dark gray, sandy CLAY, micaceous		
120-122		120-122	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Gray orange-yellow orange, med-coarse SAND, micaceous, trace clay, wet Dark gray, fine SAND w/lignite and some clay, micaceous, dry		
125-127		125-127	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Mod yellow brown, medium-very coarse SAND w/f gravel, some mica, wet Lt yellow brown-red brown-dk yellow orange, med SAND, micaceous, wet		
130-132		130-132	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Yellow brown, med-v coarse SAND w/f gravel, some mica, trace clay, wet Dark gray, silty CLAY w/pyrite, micaceous		
135-137		135-137	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Yellow brown-gray, clayey fine SAND w/lignite, micaceous, trace gravel Light brown-moderate gray, medium SAND, trace clay, mica		
140-142		140-142	0.0 ppm 0.0 ppm 0.0 ppm	Dark gray, CLAY, medium stiff, micaceous, some silt Pale yellowish brown-light gray, fine-medium SAND, trace clay, micaceous, wet		
145-147		145-147	0.0 ppm 0.0 ppm 0.0 ppm	Yellow brown and brown gray, med-coarse SAND w/mica, trace silt, wet Moderate-light gray, medium SAND w/mica, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-12D
Location: Hempstead	Date(s): 12/28/00 - 01/02/01
Purpose: Monitoring Well, Deep	Total Depth: 182.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
150		150-152'	0.0 ppm 0.0 ppm	Moderate yellowish brown, medium SAND w/mica, wet Moderate gray-brownish gray, medium SAND, micaceous, wet		
155		155-157'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate-dark gray, medium-coarse SAND, micaceous, trace clay, wet Same as above, no clay		
160		160-162'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above, trace clay		
165		165-167'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate-dark gray, coarse SAND w/some mica, lignite, wet		
170		170-172'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate-dark gray, medium-coarse SAND w/some mica, wet Moderate-dark gray and grayish black, silty CLAY, medium stiff		
175		175-177'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate-light gray, silty fine sandy CLAY, micaceous, stiff-medium stiff		
180		180-182'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate-light gray, sandy CLAY, micaceous Moderate-light gray, medium SAND, micaceous, wet Base of boring - 182 ft.		



Site Id: HIMW-13D

Date(s): 12/20/00 - 12/21/00

Datum: Mean Sea Level

Elevation: 72.95'

Measuring Point: 72.53'

Completed Depth: 122.00'

Total Depth: 175.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Diamond

Drilling Method: Hollow Stem Auger

Borehole Dia.: 6.50in

Contractor: Delta Well & Pump

Screens:

type: Slotted size: 0.020in dia: 2.00in fm: 38.00' to: 48.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 70.00' to: 80.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 110.00' to: 120.00'

Remarks: Includes well screens for monitoring wells: HIMW-13S, HIMW-13I and HIMW-13D

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
5		5-7'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-grayish orange, coarse-very coarse SAND w/fine gravel		
10		10-12'	0.0 ppm 0.0 ppm	Dark yellowish orange-light brown, coarse-very coarse SAND w/fine gravel		
15		15-17'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-pale yellowish brown, coarse-very coarse SAND w/fine gravel, trace mica		
20		20-22'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange, coarse-very coarse SAND w/fine gravel, trace mica		
25		25-27'	0.0 ppm 0.0 ppm	Dark yellowish orange, coarse-very coarse SAND w/fine gravel		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-13D
Location: Hempstead	Date(s): 12/20/00 - 12/21/00
Purpose: Monitoring Well, Deep	Total Depth: 175.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'		30-32'	0.0 ppm	Dark yellowish orange-grayish orange, coarse SAND w/very coarse sand and fine gravel		
35-37'		35-37'	0.0 ppm 0.0 ppm	Grayish orange, coarse SAND w/fine gravel, trace mica Dark yellowish orange-light brown, coarse-very coarse SAND w/fine gravel		
40-42'		40-42'	0.0 ppm 0.0 ppm 0.0 ppm	Mod yellowish brown, coarse-v coarse SAND w/fine-coarse gravel, wet Dark yellowish orange, medium SAND w/little mica		
45-47'		45-47'	0.0 ppm 0.0 ppm	Moderate brown, coarse-very coarse SAND w/fine gravel, wet Dark yellowish orange, coarse SAND w/some very coarse sand and fine gravel, wet		
50-52'		50-52'	0.0 ppm 0.0 ppm	Mod yellowish brown, med-v coarse SAND w/f gravel, little mica, wet Dark yellowish orange, medium-coarse SAND w/fine gravel, wet		
55-57'		55-57'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown-light brown, coarse SAND w/some fine-coarse gravel, trace mica, wet		
60-62'		60-62'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange, medium-coarse SAND w/some fine gravel, wet		
65-67'		65-67'	0.0 ppm 0.0 ppm 0.0 ppm	Mod yellowish brown, med-very coarse SAND w/some fine gravel, wet Dark yellowish orange-pale yellowish brown, coarse-very coarse SAND, w/fine gravel, trace coarse gravel and mica, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-13D
Location: Hempstead	Date(s): 12/20/00 - 12/21/00
Purpose: Monitoring Well, Deep	Total Depth: 175.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse-very coarse SAND w/fine gravel, wet		
75-77'		75-77'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, medium-very coarse SAND, little f gravel, trace coarse gravel, mica, wet		
80-82'		80-82'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse SAND w/little fine gravel and mica, wet		
85-87'		85-87'	0.0 ppm 0.0 ppm 0.0 ppm	Pale yellowish brown, medium-coarse SAND w/little mica, trace fine gravel, wet		
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm	Grayish orange, medium-coarse SAND w/fine gravel, some mica, wet Pale yellowish orange, medium SAND w/mica, wet		
95-97'		95-97'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse SAND w/some mica, wet Moderate yellowish brown-dark yellowish orange, clayey medium-coarse SAND, wet		
100-102'		100-102'	0.0 ppm 0.0 ppm 0.0 ppm	Moderate yellowish brown, coarse SAND w/trace clay and fine gravel, wet Dark yellowish orange, clayey medium SAND, wet		
105-110'		105-110'	0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish orange-moderate yellowish brown, coarse SAND, micaceous, wet Dark yellowish orange-moderate reddish brown-light gray, CLAY, soft, micaceous,		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-13D
Location: Hempstead	Date(s): 12/20/00 - 12/21/00
Purpose: Monitoring Well, Deep	Total Depth: 175.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110-112	0.0 ppm 0.2 ppm 0.7 ppm 0.3 ppm			Moderate brown, medium SAND w/some mica, trace fine gravel, wet Dark yellowish orange, medium-coarse SAND w/some mica, wet		
115-117	0.0 ppm 0.0 ppm 0.0 ppm		Dark yellowish orange, medium-coarse SAND w/some mica, wet Moderate brown, coarse SAND w/trace clay			
120-122	0.0 ppm 0.0 ppm		Mod-dk yellow brown, clayey med-v coarse SAND w/trace f gravel, little mica, pockets of dark yellow orange clay			
125-127	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow br-gray orange, clayey med-coarse SAND, little f gravel, some mica, thin beds of yellowish gray clay, wet			
130-132	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Mod yellow brown, med SAND w/some mica and v coarse sand, wet Gray orange-yellow gray, clayey m SAND w/some sandy clay, micaceous			
132-134	0.0 ppm 0.4 ppm 0.0 ppm 1.1 ppm		Dk yellow orange-mod yellow brown, clayey med SAND, micaceous, wet Lt yellow orange-gray, med SAND w/thinly bedded clay, micaceous			
134-136	0.0 ppm 0.0 ppm 0.0 ppm		Lt yellow brown, clayey med SAND w/thinly bedded clay, micaceous Dk yellow orange-yellow br, m SAND w/thinly bedded clay, micaceous			
136-138	0.0 ppm 0.0 ppm 0.0 ppm		Dk yellow orange-yellow brown, sandy CLAY, soft, micaceous Dk yellow orange-gray orange, m SAND w/thinly bedded clay, micaceous			
138-140	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Moderate yellow brown, clayey medium SAND, micaceous, wet Dk yellow orange-grayish orange-lt brown, m SAND w/clay, micaceous			
140-142	0.0 ppm 0.0 ppm 0.0 ppm		Light brown-dark yellow orange-light gray, medium SAND w/some clay, micaceous, wet			
144-146			No recovery			
148-150	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dk yellowish brown, med SAND w/fine-coarse gravel, micaceous, wet Dark yellow brown-dark gray, clayey fine-medium SAND, micaceous			

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-13D
Location: Hempstead	Date(s): 12/20/00 - 12/21/00
Purpose: Monitoring Well, Deep	Total Depth: 175.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
150		150-152	0.0 ppm 0.0 ppm	Dark yellow orange-medium gray, clayey medium SAND, micaceous		
154		154-156	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellowish brown, clayey medium SAND, micaceous, wet Gray, clayey med-fine SAND w/thinly bedded med gray clay, micaceous		
158		158-160	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellow brown, clayey fine SAND w/thinly bedded clay, micaceous Gray, coarse SAND, lignite, some mica, wet		
162		162-164	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellow brown, medium-coarse SAND w/some fine gravel Gray, medium SAND w/mica		
165		165-167	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Dark yellow brown, medium-very coarse SAND w/some fine gravel, wet Gray, clayey medium SAND w/thin bed of lignite, micaceous		
170		170-172	0.0 ppm 0.0 ppm 0.0 ppm	Gray, medium SAND w/little clay, micaceous, wet Grayish black, silty CLAY, medium stiff, micaceous		
175		175-177	0.0 ppm 0.0 ppm	Gray-black, silty CLAY, stiff, micaceous, thin bed of clayey medium sand Base of boring - 175 ft.		



Site Id: HIMW-14D

Date(s): 12/06/01 - 12/10/01

Datum: Mean Sea Level

Elevation: 71.99'

Measuring Point: 71.59'

Completed Depth: 152.00'

Total Depth: 152.00'

Location: Hempstead

Purpose: Monitoring Well, Deep

Logged By: J. Schafer

Drilling Method: Hand Auger 0-5', Hol. Stem Auger 5-152'

Borehole Dia.: 6.75in

Contractor: Delta Well & Pump

Screens:
 type: Slotted size: 0.010in dia: 2.00in fm: 85.00' to: 95.00'
 type: Slotted size: 0.010in dia: 2.00in fm: 140.00' to: 150.00'

Remarks: Includes well screens for monitoring wells:
 HIMW-14I and HIMW-14D

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
5 10 15 20 25				Brown, TOPSOIL, loose, soft, earthy smell, dry Silty TOPSOIL w/some sand and fine gravel Tan, fine-coarse SAND w/some fine gravel MATERIAL DESCRIPTIONS CONTINUE AT 30'.		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-14D
Location: Hempstead	Date(s): 12/06/01 - 12/10/01
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'		30-32'	0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine-coarse gravel, loose, dry		
35-37'		35-37'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet		
40-42'		40-42'		No recovery - several large chunks of coarse gravel in split spoon		
45-47'		45-47'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Lt orange-brown, fine gravelly fine-coarse SAND w/some coarse gravel, medium dense, wet		
50-52'		50-52'	0.0 ppm 0.0 ppm	Same as above Very fine-fine SAND w/some fine gravel, semi-loose, wet		
55-57'		55-57'	0.0 ppm 0.0 ppm	Lt orange-brown, fine-medium SAND w/some coarse gravel, trace fine gravel, loose, wet		
60-62'		60-62'	0.0 ppm 0.0 ppm	Brown, fine-coarse SAND w/fine gravel, loose, wet		
65-66'		65-66'	0.0 ppm 0.0 ppm 0.0 ppm	Tan, fine-coarse SAND w/trace fine gravel, loose, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-14D
Location: Hempstead	Date(s): 12/06/01 - 12/10/01
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.0 ppm 0.0 ppm	Tan, fine-medium SAND, semi-loose, wet		
75-77'		75-77'	0.0 ppm 0.0 ppm 0.0 ppm	Tan, fine-coarse SAND w/some fine-coarse gravel, semi-loose, wet		
80-82'		80-82'	0.0 ppm 0.0 ppm	Tan, very fine-fine SAND, semi-loose, slight naphthalene-like odor, wet		
85-87'		85-87'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, silty very fine-fine SAND, dense, naphthalene-like odor		
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Brown, very fine-fine SAND w/some silt, medium dense, slight naphthalene-like odor, wet		
95-97'		95-97'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, SAND w/silt, black silty laminations, dense, slight naphthalene-like odor, wet		
100-102'		100-102'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Gray to brown, very fine-fine SAND with silt/clay lenses, some black laminations, slight naphthalene-like odor Brown, CLAY		
105-110'		105-110'	0.0 ppm 0.0 ppm	Orange-brown, sandy SILT w/black laminations, soft, plastic, slight naphthalene-like odor		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-14D
Location: Hempstead	Date(s): 12/06/01 - 12/10/01
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
110		110-112'	0.0 ppm 0.0 ppm	Dark brown, CLAY w/many gray fine silty very fine sand laminations, pyrite, lignite, dense to semi-soft, slightly plastic to non-plastic, slight, marshy odor		
115		115-117'	0.0 ppm 0.0 ppm 0.0 ppm	Dark brown, CLAY w/some gray fine silty very fine sand laminations, slight marshy odor Orange-brown to brown, fine-medium SAND, semi-loose, wet		
120		120-122'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine SAND w/many black to gray fine sandy silty clayey laminations, soft, plastic, moist		
125		125-127'	0.0 ppm 0.0 ppm	Brown, fine-medium SAND w/some black to gray fine silt laminations, medium dense, wet		
130		130-132'	0.0 ppm 0.0 ppm 0.0 ppm	Gray to orange-brown, silty fine SAND w/many dark brown fine laminations, medium dense, wet		
135		135-137'	0.0 ppm 0.0 ppm 0.0 ppm	Dark brown, CLAY, very dense, slightly plastic, moist Orange-brown to gray to dark brown, fine sand/silt/clay unit, finely laminated, soft, plastic		
140		140-142'	0.0 ppm 0.0 ppm 0.0 ppm	Dark brown, CLAY, very dense, slightly plastic, moist Orange-brown to gray to dark brown, silty clayey fine SAND, finely laminated, soft, plastic		
145		145-147'	0.0 ppm 0.0 ppm 0.0 ppm	Tan, fine SAND w/some med sand, some gray and orange-brown stringers, loose, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-14D
Location: Hempstead	Date(s): 12/06/01 - 12/10/01
Purpose: Monitoring Well, Deep	Total Depth: 152.00'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
152.00		152.00 - 152.00	0.0 ppm 0.0 ppm	Tan-br to orange-br, f SAND w/trace m sand, semi-loose, wet Base of boring - 152 ft.		
150.00						
145.00						
140.00						
135.00						
130.00						
125.00						
120.00						
115.00						
110.00						
105.00						
100.00						
95.00						
90.00						
85.00						
80.00						
75.00						
70.00						
65.00						
60.00						
55.00						
50.00						
45.00						
40.00						
35.00						
30.00						
25.00						
20.00						
15.00						
10.00						
5.00						
0.00						



Site Id: HIMW-15D	
Date(s): 12/20/01 - 12/20/01	
Datum: Mean Sea Level	
Elevation: 64.36'	Measuring Point: 63.96'
Completed Depth: 153.50'	Total Depth: 153.50'
Screens: type: Slotted size: 0.010in dia: 2.00in fm: 80.00' to: 90.00' type: Slotted size: 0.010in dia: 2.00in fm: 141.50' to: 151.50'	
Remarks: Includes well screens for monitoring wells: HIMW-15I and HIMW-15D	

Location: Hempstead
Purpose: Monitoring Well, Deep
Logged By: J. Schafer
Drilling Method: Hand Auger 0-5', Hol. Stem Auger 5-152'
Borehole Dia.: 6.75in
Contractor: Delta Well & Pump

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
0			0.0 ppm	Orange-brown, fine-coarse sandy FILL w/fine well-rounded gravel, asphalt Orange-brown, fine-coarse SAND w/fine well-rounded gravel, trace biotite		
5						
10				MATERIAL DESCRIPTIONS CONTINUE AT 30'.		
15						
20						
25						

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-15D
Location: Hempstead	Date(s): 12/20/01 - 12/20/01
Purpose: Monitoring Well, Deep	Total Depth: 153.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
30-32'		30-32'	0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, loose, moist		
35-37'		35-37'	0.0 ppm 0.0 ppm 0.0 ppm	Orange-brown, fine-coarse SAND w/trace fine gravel, semi-loose, wet		
40-42'		40-42'	0.0 ppm	Fine semi-rounded GRAVEL w/some fine sand, hard, wet		
45-47'		45-47'	0.0 ppm	Orange-brown, fine-coarse SAND w/some fine gravel, semi-loose, wet		
50-52'		50-52'	0.0 ppm 0.0 ppm 0.0 ppm	Same as above, brown		
55-57'		55-57'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above, swaths of natural red-brown staining		
60-62'		60-62'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/some medium sand, trace coarse sand, semi-loose, some swaths of natural brown staining		
63-65'		63-65'	0.0 ppm 0.0 ppm 0.0 ppm	Brown, fine SAND w/some fine gravel at 66', f orange-brown laminations at 66.25', semi-loose, natural dark brown staining, wet		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-15D
Location: Hempstead	Date(s): 12/20/01 - 12/20/01
Purpose: Monitoring Well, Deep	Total Depth: 153.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
70-72'		70-72'	0.0 ppm 0.0 ppm	Brown, very fine-fine SAND w/some clay/silt layers, medium dense, wet		
75-77'		75-77'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Yellow-br, silty clayey v fine SAND, some v fine laminations/striations, medium dense, wet		
80-82'		80-82'	0.0 ppm 0.0 ppm 0.0 ppm	Yellow-br-tan, v fine SAND with dk br clay/silt laminations/striations, medium dense, moist		
85-87'		85-87'	0.0 ppm 0.0 ppm 0.0 ppm	Yellow-br, silty clayey v fine SAND, soft, plastic, slight odor, v moist Orange-brown to tan to brown, very fine-fine SAND, loose, slight odor, moist		
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm	Yellow-brown-tan, v fine SAND w/dk br clay/silt laminations/striations, medium dense, moist		
95-97'		95-97'	0.0 ppm 0.0 ppm	Tan to orange-brown, very fine-fine SAND w/laminations, some silt/clay, medium dense, wet		
100-102'		100-102'	0.0 ppm 0.0 ppm 0.0 ppm	Tan to orange-brown, very fine SAND w/dark brown to gray silt/clay laminations, medium dense, slight odor, wet		
105-107'		105-107'	0.0 ppm 0.0 ppm	Same as above		

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-15D
Location: Hempstead	Date(s): 12/20/01 - 12/20/01
Purpose: Monitoring Well, Deep	Total Depth: 153.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
15	■	110-112'	0.0 ppm 0.0 ppm 0.0 ppm	Tan to orange-brown, very fine SAND w/many dk brown to gray silt/clay laminations, medium dense, slight odor, wet	●●●●●	
15	■	115-117'	0.0 ppm 0.0 ppm 0.0 ppm	Tan, fine SAND w/some silt/clay laminations, semi-dense, slight naphthalene-like odor, wet	●●●●●	
17	■	120-122'	0.0 ppm 0.0 ppm	Dark brown, CLAY, soft, plastic, moist Gray, fine SAND w/mica flakes, semi-dense, slight naphthalene-like odor, wet	▨▨▨▨▨	
15	■	125-127'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Gray, silty very fine SAND w/few brown striations, mica flakes, medium dense, wet	●●●●●	
17	■	130-132'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above, striations are black, slight black clay layers	▨▨▨▨▨	
15	■	135-137'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Black-gray, silty CLAY, soft, plastic, wet Gray, silty very fine SAND w/black striations, mica flakes, medium dense	▨▨▨▨▨	
17	■	140-142'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm	Same as above	▨▨▨▨▨	
15	■	145-147'	0.0 ppm 0.0 ppm 0.0 ppm	Gray, very fine SAND w/mica flakes, semi-dense, wet	●●●●●	

Consulting Firm: Dvirka & Bartilucci	Site Id: HIMW-15D
Location: Hempstead	Date(s): 12/20/01 - 12/20/01
Purpose: Monitoring Well, Deep	Total Depth: 153.50'

Depth (ft)	Recovery	Sample Interval	PID	Material Description	Graphic Log	Screen Zones
153.50		150 - 152	0.0 ppm	Gray, very fine SAND w/mica flakes, semi-dense, wet Base of boring - 152 ft.		



Site Id: HITW-02
Location: Hempstead
Purpose: Monitoring Well, Multiple Zone
Date(s): 10/26/01 - 10/30/01
Total Depth: 182.00'
Remarks: Groundwater samples selected for analysis at 55-60', 65-70', 75-80', 85-90', 115-120', and 148-153'.

Elevation: 0.00'
Datum: Mean Sea Level
Logged By: J. Schofer
Drilling Method: Hand Auger 0-5', Hol. Stem Auger 5-182'
Contractor: Delta Well & Pump
Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-5					FILL, brick and stone in a brown silty matrix Brown, fine-coarse SAND w/fine subrounded gravel
5-15					Same as above
15-25					Same as above, orange-brown, moist

Location: Hempstead		Site Id: HITW-02	
Purpose: Monitoring Well, Multiple Zone		Total Depth: 182.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 6.75in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30		30-32'	0.0 ppm		Orange-brown, fine-coarse SAND w/some fine gravel, loose, wet
35		35-37'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown to tan, fine-coarse to fine SAND w/some coarse sand, some fine-coarse gravel, loose, wet
40		40-42'	0.0 ppm 0.0 ppm 0.0 ppm		Tan, fine-medium SAND w/some coarse sand, some fine gravel, trace coarse gravel, loose, wet
45		45-47'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose, wet
50		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-coarse SAND w/fine-coarse gravel, loose, wet
55		55-57'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/some coarse sand, trace fine gravel, loose, wet
60		60-62'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/trace coarse gravel, semi-loose, wet
65		65-67'	0.0 ppm 0.0 ppm 0.0 ppm		Lt brown, fine-medium SAND w/trace fine gravel, dark brown fine laminations (66-67'), loose, wet

Location: Hempstead		Site Id: HITW-02	
Purpose: Monitoring Well, Multiple Zone		Total Depth: 182.00'	
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 6.75in	

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
70-72'		70-72'	0.0 ppm 0.0 ppm 0.0 ppm		Lt brown to orange-brown, fine-medium SAND w/trace fine-coarse gravel, loose
75-77'		75-77'	0.0 ppm 0.0 ppm 0.0 ppm		Lt brown, fine SAND w/trace fine gravel, semi-loose, wet
80-82'		80-82'	0.0 ppm 0.0 ppm 0.0 ppm		Lt brown to orange-brown, fine SAND w/trace silt, trace fine gravel, semi-dense, wet
85-87'		85-87'	0.0 ppm 0.0 ppm 0.0 ppm		Lt brown to orange-brown, fine-medium SAND w/some coarse sand, trace clay, loose, wet
90-92'		90-92'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/trace coarse sand, semi-loose, wet
95-97'		95-97'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine SAND w/silt, clay lenses, mica flakes, medium dense, wet
100-102'		100-102'	0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/mica flakes, semi-loose, wet
105-107'		105-107'	0.0 ppm 0.0 ppm		Lt gray, very fine sandy SILT, soft, slightly plastic, wet
110-112'		110-112'	0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, very fine SAND w/clay, silty sand lenses, semi-loose to dense, moist to wet
115-117'		115-117'	0.0 ppm 0.0 ppm		Dark gray to gray, silty very fine SAND, micaceous, dense, moist

Location: Hempstead		Site Id: HITW-02
Purpose: Monitoring Well, Multiple Zone		Total Depth: 182.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
110-112		110-112	0.0 ppm 0.0 ppm		Gray, silty very fine SAND, mica flakes, semi-loose, wet
115		115-117	0.0 ppm 0.0 ppm		Gray, very fine SAND w/mica flakes, semi-loose, wet Dark brown, sandy CLAY w/some wood fragments, shaley wood layer with cleavage planes which crumbles easily
120		120-122	0.0 ppm 0.0 ppm 0.0 ppm		Gray-brown, very fine sandy SILT, soft, slightly plastic, moist Gray-brown, silty CLAY w/trace fine sand, hard, slightly plastic, moist
125		125-127	0.0 ppm 0.0 ppm 0.0 ppm		Gray, very fine sandy SILT w/clay, mica flakes, soft to semi-hard, slightly plastic to plastic, brackish odor, moist
130		130-132	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
135		135-137	0.0 ppm 0.2 ppm 0.4 ppm 1.2 ppm		Same as above
140		140-142	0.6 ppm 0.7 ppm		Same as above
145		145-14	0.0 ppm 0.0 ppm 0.0 ppm		Gray, fine SAND w/clay lenses, wood lenses, semi-loose, brackish odor, wet

Location: Hempstead	Site Id: HITW-02
Purpose: Monitoring Well, Multiple Zone	Total Depth: 182.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
150-152		150-152'	3.8 ppm 0.7 ppm 0.0 ppm		Dark gray, fine-medium SAND w/several slight clay lenses, semi-loose, brackish odor, wet
155		155-157'	0.1 ppm 0.0 ppm		Gray, fine-medium SAND w/trace silt, slight silt lens, semi-loose, brackish odor, wet
160		160-162'	0.3 ppm 0.1 ppm 0.2 ppm 0.2 ppm		Gray, fine-medium SAND, loose, wet Black, SILT w/wood, soft, slightly plastic, moist Gray, SILT w/some very fine sand, mica flakes, soft, plastic
165		165-167'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Gray, clayey SILT w/black laminations, soft to hard, slightly plastic to plastic, moist
170		170-172'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above, plastic
175		175-177'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
180		180-182'	0.0 ppm 0.0 ppm		Gray, CLAY w/some silt, soft, plastic, very moist
					Base of boring - 182 ft.
185					



Site Id: HITW-03
Location: Hempstead
Purpose: Monitoring Well, Multiple Zone
Date(s): 10/17/01 - 10/19/01
Total Depth: 182.00'
Remarks: Groundwater samples selected for analysis at 50-55', 65-70', 80-85', 91-96', 130-135', and 145-150'.

Elevation: 0.00'
Datum: Mean Sea Level
Logged By: J. Schafer
Drilling Method: Hand Auger 0-5', Hol. Stem Auger 5-182'
Contractor: Delta Well & Pump
Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
5 10 15 20 25					<p>Brown, SILT w/trace fine-coarse gravel, loose, soft, dry</p> <p>Orange-brown, fine-coarse SAND w/some fine-coarse gravel, trace cobble (5-30')</p>

Location: Hempstead	Site Id: HITW-03
Purpose: Monitoring Well, Multiple Zone	Total Depth: 182.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
30-32'		30-32'	0.0 ppm		Orange to tan, fine-medium SAND w/some coarse sand, trace fine gravel, semi-dense, wet
35-37'		35-37'	0.0 ppm		Same as above, orange-brown
40-42'		40-42'	0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/trace coarse sand, some fine gravel, semi-dense, wet
45-47'		45-47'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above, brown
50-52'		50-52'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-coarse SAND w/some fine gravel, trace coarse gravel, semi-dense, wet
55-57'		55-57'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
60-62'		60-62'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Same as above
65-66'		65-66'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Lt brown, fine-medium SAND w/some coarse gravel near bottom, several small areas of dk brown silt w/fine sand, semi-dense, wet

Location: Hempstead		Site Id: HITW-03
Purpose: Monitoring Well, Multiple Zone		Total Depth: 182.00'
Consulting Firm: Dvirka & Bartilucci		Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
70-72'			0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND, semi-dense, wet Orange-brown, silty clayey fine-medium SAND, semi-dense, wet
75-77'			0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown, fine-medium SAND w/some coarse sand, some silt, gray fine sand lens near bottom, med dense, wet, .75' sluff
80-82'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Orange-brown to gray, fine SAND w/some silt, semi-dense, some Fe staining, wet, .5' sluff
85-87'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown to lt gray, fine SAND w/trace coarse gravel, semi-dense, wet, .5' sluff
90-92'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown to lt-dk gray, fine SAND w/several slight silt lenses, mica flakes, medium dense, wet, .3' sluff
95-97'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark brown, fine SAND w/mica flakes, semi-dense, wet
100-102'			0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine SAND w/some silt, mica flakes, semi-dense, wet, 1' sluff
105-107'			0.0 ppm 0.0 ppm		Brown, fine SAND w/mica flakes, semi-dense, wet Dark brown, silty CLAY w/very fine sand striations, soft, plastic, moist

Location: Hempstead	Site Id: HITW-03
Purpose: Monitoring Well, Multiple Zone	Total Depth: 182.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
110-112		110-112'	0.0 ppm		Dark gray, sandy CLAY w/some brown fine sand, mica flakes, soft (almost liquidy), plastic, very moist
115		115-117'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Gray, SILT, soft, semi-plastic, very moist Brown, CLAY, highly striated with gray fine sand/silt, soft, plastic to semi-plastic, moist to slightly moist
120		120-122'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
125		125-127'			No recovery
130		130-132'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Dark gray, fine silty sand, dense, moist
135		135-137'	0.0 ppm 0.0 ppm 0.0 ppm 0.0 ppm		Gray to dark gray, fine SAND, loose to dense, moist Same as above, SILT
140		140-142'	0.0 ppm 0.1 ppm 0.4 ppm 0.3 ppm		Dark gray, fine-coarse SAND, semi-loose, moist Dark brown, CLAY, very dense, plastic, slightly moist
145		145-147'	0.4 ppm 0.2 ppm 0.2 ppm 0.2 ppm		Brown, fine-medium SAND, semi-loose, moist Brown, CLAY w/gray fine sand/silt striations, dense, soft, plastic, moist Gray, fine-medium SAND, loose, moist

Location: Hempstead	Site Id: HITW-03
Purpose: Monitoring Well, Multiple Zone	Total Depth: 182.00'
Consulting Firm: Dvirka & Bartilucci	Borehole Dia.: 6.75in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		150-152'	0.0 ppm 0.0 ppm 0.0 ppm		Brown to dark gray, fine-medium SAND w/some silt, mica flakes, semi-dense
155		155-157'	0.0 ppm 0.0 ppm 0.0 ppm		Brown, fine-medium SAND w/mica flakes, semi-dense, wet Gray to brown, fine sandy silty CLAY, soft, plastic, moist
160		160-162'	0.0 ppm 0.0 ppm 0.0 ppm		Gray, silty fine SAND w/some thin black striations, dense, moist to wet
165		165-167'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above, some brown clay
170		170-172'	0.0 ppm 0.0 ppm 0.0 ppm		Gray, fine SAND w/some dark brown to black silt near bottom
175		175-177'	0.0 ppm 0.0 ppm 0.0 ppm		Gray, fine SAND w/trace silt, semi-dense, wet
180		180-182'	0.0 ppm 0.0 ppm 0.0 ppm		Same as above
185					Base of boring - 182 ft.



Site Id: H1TP-01

Location: Hempstead

Purpose: Test Pit

Date(s): 09/26/00 - 09/26/00

Elevation: 72.12'

Total Depth: 3.50'

Datum: Mean Sea Level

Remarks: Selected sample of stained, oil saturated soil from 2.5-3.0' for analysis. Rain heavy at times, wind gusting to 25 knots.

Lagged By: T. Fox

Drilling Method: Case 580D Backhoe

Contractor: Action Environmental

Borehole Dia.: 0.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-2'			0.0 ppm		Brown/orange, med-coarse sandy gravelly FILL, black staining at 2', loose, moist Black, sandy gravelly FILL, black staining, oil/tar saturated at base of foundation Base of test pit - 3-3.5 ft. Note: Hit foundation at approximately 3 ft. Moved 5 ft. north of excavation, hit foundation - spay pond, former MGP structure.
2-3'			0.6 ppm		
			7.0 ppm 10.2 ppm		
5					
10					
15					
20					
25					



Site Id: H1TP-02
 Location: Hempstead
 Purpose: Test Pit
 Date(s): 11/07/00 - 11/07/00
 Total Depth: 8.00'
 Remarks: Sample selected for analysis at 3-4'.

Elevation: 71.95'
 Datum: Mean Sea Level
 Logged By: J. Schafer
 Drilling Method: Case 580D Backhoe
 Contractor: Delta Well & Pump
 Borehole Dia.: 0.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-1.5'		0.0 ppm			Black-brown, sandy silty FILL w/vesicular slag, coal fragments, loose, moist
1.5-5'		0.0 ppm 9.7 ppm 0.0 ppm			Brown, fine-coarse sandy FILL w/fine gravel, loose, moist Black, clayey FILL w/coal fragments, organic material, viscous oil/water discharge, hydrocarbon-like odor
5-8'		0.0 ppm			Black, clayey SILT, soft, semi-plastic, moist Dark brown to light brown, fine-coarse SAND w/some fine gravel, loose, moist Base of test pit - 8 ft.



Site Id: HITP-03

Location: Hempstead

Purpose: Test Pit

Date(s): 09/26/00 - 09/26/00

Total Depth: 8.00'

Remarks: Sample selected for analysis at 3-4'.

Elevation: 70.38'

Datum: Mean Sea Level

Logged By: T. Fox

Drilling Method: Case 580D Backhoe

Contractor: Action Environmental

Borehole Dia.: 0.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-2'			0.0 ppm 8.6 ppm 10.2 ppm		Gray-brown, med-coarse SAND w/gravel, slight naphthalene-like odor, loose, moist
2-4'			0.0 ppm 0.0 ppm		Brown-red-orange, coarse SAND w/gravel, loose, moist
4-6'			0.0 ppm 0.0 ppm		Same as above
6-8'			0.0 ppm 0.0 ppm		Same as above
					Base of test pit - 8 ft.



Site Id: HITP-04

Location: Hempstead

Purpose: Test Pit

Date(s): 09/26/00 - 09/26/00

Total Depth: 4.00'

Remarks: Selected sample of heavily stained soil under pipe (2-3').

Elevation: 71.34'

Datum: Mean Sea Level

Logged By: T. Fox

Drilling Method: Case 580D Backhoe

Contractor: Action Environmental

Borehole Dia.: 0.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
		0-1.5'			Asphalt/concrete slab to 1.3'
		1.5-4'	0.0 ppm 25.0 ppm 50.0 ppm		Black, sandy gravelly FILL, tar staining, naphthalene-like odor, loose, moist Base of test pit - 4 ft.
5					Note: Hit foundation at approximately 4 ft., wood pilings, brick. Uncovered 15-20" pipe, similar to one encountered at HITP-05.
10					
15					
20					
25					



Site Id: H1TP-05

Location: Hempstead

Purpose: Test Pit

Date(s): 09/25/00 - 09/25/00

Elevation: 70.96'

Datum: Mean Sea Level

Logged By: T. Fox

Drilling Method: Case 580D Backhoe

Contractor: Action Environmental

Borehole Dia.: 0.00in

Total Depth: 3.50'

Remarks: Sample selected for analysis at 4-5' bgs past edge of foundation and adjacent to 15" diameter pipe.

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-2'	[RECOVERED]	0-2'	0.0 ppm 10.0 ppm 50.0 ppm		Brown-red, silty sandy FILL w/gravel, loose, moist
2-3.5'	[RECOVERED]	2-3.5'	48.0 ppm 375.0 ppm 429.0 ppm 702.0 ppm		Black, silty sandy FILL w/gravel, partially saturated with coal tar/oil, naphthalene-like odor
5					Base of test pit - 3.5 ft.
10					Note: Hit holder foundation at approximately 3.5'. Foundation was east of start of excavation. Determined that foundation was approximately 50 feet in diameter.
15					
20					
25					



Site Id: H1TP-06

Location: Hempstead

Purpose: Test Pit

Date(s): 09/25/00 - 09/25/00

Total Depth: 7.00'

Remarks: Sample of tar/oil saturated soil selected at 5-6'.

Elevation: 68.54'

Datum: Mean Sea Level

Logged By: T. Fox

Drilling Method: Case 580D Backhoe

Contractor: Action Environmental

Borehole Dia.: 0.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0	[Solid black bar]	0-5'	0.0 ppm 0.0 ppm 7.0 ppm 10.0 ppm	[Blank]	Brown, medium-coarse sandy FILL w/gravel, loose
5		5-7'	78.0 ppm 289.0 ppm 465.0 ppm		Same as above, w/chunks of tar saturated soil, oil/tar saturated soil at 7'
7					Base of test pit - 7 ft.
10					Note: Holder foundation encountered at approximately 7'. Determined structure is bermed approximately 4-5' high. Heavy naphthalene-like odor at base of holder foundation.
15					
20					
25					



Site Id: H1TP-07

Location: Hempstead

Purpose: Test Pit

Date(s): 09/25/00 - 09/25/00

Elevation: 70.40'

Total Depth: 3.50'

Datum: Mean Sea Level

Remarks: Selected sample from base of holder foundation at approximately 2-3'.

Logged By: T. Fox

Drilling Method: Case 580D Backhoe

Contractor: Action Environmental

Borehole Dia.: 0.00in

Depth (ft)	Recovery	Sample Interval	PID	Graphic Log	Material Description
0-2'			0.0 ppm 10.0 ppm		Brown-red, sandy silty FILL w/gravel, loose, moist
2-4'			120 ppm 400 ppm 780 ppm 400 ppm		Black, silty sandy FILL w/gravel, coal tar, wood, naphthalene-like odor
5					Base of test pit - 3.0-3.5 ft.
10					Note: Hit foundation of holder at approximately 3.5'. Moved test pit trench east to uncover holder foundation. Tar/oil saturated layer approximately 6" above holder foundation.
15					
20					
25					

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 65
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/14/03
 DATE COMPLETED: 10/15/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS					
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING		
0		48	1.6 2.2	0		Dark brown to dark grey F/C sand, some silt, some F/C gravel, moist	SP								
4		34	0.2 0.2	0		Dark brown to dark grey, F/M silty sand, some F/M gravel, F/C gravel lense @ 6.5', loose, moist	SP		Slight MGP like odor						
			0.2 0.8			Brownish yellow F/C sand, some F/C gravel, loose, moist			Slight unknown/spent fuel like odor						
8		48	0.8 0.5 1.3 0.2 1.0 5.3 16.5 49.9	0		Brownish yellow w/brown banding F/M sand, some F/M gravel, loose, moist, black mica flakes	SP		Slight unknown/spent fuel like odor						
12	HISB-56 (9-11)	37	0.8 1.2 0.9	0		Brownish yellow F/C sand, some F/M gravel, loose, moist, black mica flakes	SP		Slight unknown odor						
16		30				Brownish yellow w/brown banding, F/M silty sand, some F/M gravel, loose, moist	SP		Slight unknown odor						
20		30	6.4 93.5 14.4 6.8	0		Brownish yellow F/M sand, black mica flakes Yellowish red to light brown F/C sand, F/M gravel, loose, moist	SP		Slight to moderate fuel like odor Heavily coated w/sheen, moderate to strong fuel like odor						
24		32	5.3 75.3 48.5 29.1	0		Brownish yellow w/dark grey banding @ 23.5' F/M sand, loose, moist Brownish yellow F/M sand, loose, moist	SP		Slight to moderate fuel like odor Heavily coated sand, sheen, moderate fuel like odor, brown staining on liner 27-28'						
28		29	141 121 120 36	0		Brown F/M sand w/dark brown bands, loose, wet	SP		Heavily coated w/saturated dark brown bands (<1"), stained liner, moderate to strong MGP like odor Moderate naphthalene like odor						
32	HISB-56 (25-27)	29	0.6 6.7 1.7 0.5	0		Brownish yellow F/M sand, loose, wet	SP								
			0.6 0.1 0.2	0		Brownish yellow F/C sand, some F/M gravel, mica flakes, yellowish red banding @ 35' of silty sand, loose, wet			No physical/visual evidence of impacts						
36		32		0		Brownish yellow F/C sand, black mica flakes, some F/M	SP		No physical/visual evidence of impacts						

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 65
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/14/03
 DATE COMPLETED: 10/15/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS						
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING			
40	28	0.5	0.1	0		gravel, medium dense, wet										
			0.1				SP		No physical/visual evidence of impacts							
			0.1			Brownish yellow F/M sand, black mica flacks, trace F/M gravel, loose, wet			No physical/visual evidence of impacts							
44	30	4.1	0	0		Brownish yellow F/C sand, some F/M gravel, loose, wet			No physical/visual evidence of impacts							
			0				SP		No physical/visual evidence of impacts							
			0			Brownish yellow F sand, some F gravel, medium dense, wet			No physical/visual evidence of impacts							
			0			Brownish yellow to yellowish red in bottom 6", F/C sand w/mica, some F/M gravel, medium dense, wet			No physical/visual evidence of impacts							
48	32	0	0	0		Brownish yellow F/M sand, some F/M gravel, medium dense, wet, 4" bottom F/C sand, some F/M gravel, medium dense, wet			No physical/visual evidence of impacts							
			0				SP		No physical/visual evidence of impacts							
52	21	0	0	0.5		Brownish yellow F/C sand, F/C gravel lense @ 54.5, medium dense, wet			No physical/visual evidence of impacts							
			0			Brownish yellow F silty sand, trace F gravel, medium dense, wet			No physical/visual evidence of impacts							
56	19	0	0	0			SP		No physical/visual evidence of impacts							
60	32	0	0	0		Brownish yellow F/C sand with a yellowish red band of F/M sand, some F/M gravel, medium dense, black mica flakes, wet			No physical/visual evidence of impacts							
			0			White w/black mica F sand			No physical/visual evidence of impacts							
			0			Yellowish brown (1") light grey dark brown banding, F sand, medium dense, wet			No physical/visual evidence of impacts							
64	17	0	0	0		White w/lt grey banding with mica flakes F sand, medium dense, wet			No physical/visual evidence of impacts							
			0			Dark greyish brown F sand w/brownish yellow and strong brown clayey sand pockets, trace F gravel, light brown banding @ bottom 2", medium dense, wet			No physical/visual evidence of impacts							
	HISB-56 (66-68)	20	0	0		Light greyish brown w/mica, F sand, Light yellowish red and white F sand to brown yellow w/yellowish red banding, F sand, medium dense, wet			No physical/visual evidence of impacts							
68		0	0	0			SP		No physical/visual evidence of impacts							

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny windy/high winds 65
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/14/03
 DATE COMPLETED: 10/15/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		84	0	0		Rubble - fill material, bricks, mortar, concrete, gravel, glass with and without wire, dark brown sand	SP						
4		12	9.1 62.3	0			SM						
8	HISB-57 (9-11)	27	85 158 21.6	0		Black F/M silty sand w/decayed leaves & organic materials, loose, wet	SM		Strong MGP and fuel like odor, sheen, black staining on core				
						Black F silty sand w/decayed material, light brown concrete, light brown to brown F/C sand w/black banding, some F/M gravel, loose, moist	SM		Sheen and black staining on liner, strong MGP & possible fuel like odor, strong to moderate combustible fuel like odor @ 11'				
12		41	111 59 64 74	0		Dark grey F silty sand w/F/M coated gravel, loose, wet	SM		Gravel coated, sheen and black staining on liner, strong MGP like odor				
16		31	98.7 104 142	0		Brown F/M sand, some F/C gravel, dark grey banding, loose, moist	SM		Heavily coated sand, strong MGP like odor and unknown (sweet solvent like) odor				
20		34	84.5 56.9 17.9 12.1	0		Brown F/M sand w/black banding in soil, some F/M gravel, loose, moist Bottom 6" brown F/M sand, some F gravel, loose moist	SM		Heavily coated w/naphthalene like odor, mod naphthalene like odor, bottom 6" NAPL saturated w/mod naphthalene like and burnt combustion like odors in tip				
24		29	3.5 47.9 54.7 31.5	0			SP						
28	HISB-57 (29-31)	32	74.3 70.2 84.1 11	0		Yellowish brown F/M sand, mica flakes, some F/M gravel, loose, moist Yellowish brown w/dark brown banding tr F/M gravel, loose, moist, bottom 2" F/C brown sand and F/C gravel	SP		Mod naphthalene like and burnt combustion like odors Heavily coated banding, mod naphthalene like odor, bottom 2" heavily coated soil with slight sheen and mod naphthalene like odor				
32			32	0	0		Dark brown F sand w/yellowish red & dk brown banding, 4" brownish yellow F sand, medium dense, wet	SP		Heavily coated and saturated banding, mod naphthalene like odor			
36	HISB-57 (33-35) MS, MSD	29	0	0		Brownish yellow w/yellowish red banding @ 33.5' F/M sand, some F/C gravel, mica flakes, dense, wet	SP		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny windy/high winds 65
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/14/03
 DATE COMPLETED: 10/15/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
39'						Brownish yellow F sand, trace silty F/M gravel lenses @ 39', medium dense, wet	SP		No physical/visual evidence of impacts				
40'	29	1.5	0	0		Brownish yellow F/C sand, some F/M gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
44'	28	0.6	0.8	1.7		Brownish yellow F/M sand, some F/M gravel, loose, wet	SM		No physical/visual evidence of impacts				
48'	28	0	0	0		Brownish yellow F silty sand, trace F gravel mica flakes, medium dense, wet	SM		No physical/visual evidence of impacts				
52'	31	0	0	0		Yellowish brown F/C silty sand, some F/M gravel, loose, wet	SM		No physical/visual evidence of impacts				
56'	30	0	0	0		Brownish yellow F/C sand, yellowish red silty sand pockets throughout core & bands, some F/C gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
60'	28	0	0	0		Brownish yellow F/M sand w/light yellowish red banding of F/C sand, mica flakes, some F/C gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
64'	22	0	0	0		Brownish yellow F/C sand, w/mica flakes, some F/M gravel, loose, wet	SM		No physical/visual evidence of impacts				
68'	15	0	0	0		Brownish yellow F/C sand, light brown to white F silty sand w/ blk mica flakes & dark grey yellowish red silty banding, some F/M gravel, md dense to loose, wet	SM		No physical/visual evidence of impacts				
						White F sand, mica flakes, medium dense, wet	SM		No physical/visual evidence of impacts				
						7" brownish yellow F silty sand w/light grey and dark grey clayey sand lenses w/1" dark brown silty sand @ bottom, medium dense, wet	SM		No physical/visual evidence of impacts				
						Brownish yellow to dark brown banding F silty sand, light grey clayey sand lenses @ bottom, mica flakes, medium dense, wet	SM		No physical/visual evidence of impacts				
						Yellowish brown F silty sand, mica flakes, medium dense, wet	SM		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Charles/Luke
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 60-65
 TOTAL DEPTH: 68'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/2/03
 DATE COMPLETED: 10/06/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		60	0.4 4.8	0		Dark Brown F/M sand, Some F/C gravel, moist	SP	•••••	Pieces of partially burned coal (coke)				
4	HISB-58 (14-16)	24	10.1 68.7 78.9	0		Brown F/M sand, some F/M gravel lenses, mica flakes, moist	SP	•••••	Possible fuel-like odor				
8	HISB-58 (21-24)	41	37.2 79.1 136 263	0		Brown F/M sand with Dark brown banding, some F/M gravel lenses, mica flakes, loose, moist	SP	•••••	Moderate fuel-like odor, sheen				
12		36	66.8 169 93.4 291	0		Brown F/C sand, some F/C gravel, mica flakes, loose, moist	SP	•••••	Unknown odor				
16		36	355 571 491 559	0 1 2 0		Brown F sand Yellowish Brown F/C sand with F/M gravel, loose, moist	SP	•••••	Moderate to strong fuel-like odor NAPL saturated soils Heavily coated moderate to strong fuel-like odor				
20		31	381 387 529 419	0 0 0 1		Brownish yellow to yellowish red F/C sand, some C/F gravel, loose, moist Brown to yellowish brown F/M sand, some F/M gravel, loose, moist	SP	•••••	Moderate fuel-like odor Coated soils possible fuel-like odor				
24		25	414 379 491 503	0		Brown F/C sand, F/M gravel zone at 25.5' Brownish yellow F/M sand, trace F gravel, loose, moist	SP	•••••	Fuel-like odor Slight Naphthalene-like odor Coated with moderate fuel-like odor				
28		18	443 490 1116	0		Brown F/M sand with dark grey banding, medium dense, moist	SP	•••••	Coated with moderat to strong MGP-like odor				
32	HISB-58 (30-32)	27	32.1 42.2 40.3	0		Yellowish brown F sand, mica flakes, trace F gravel	SP	•••••	Strong Naphthalene/MGP-like odor				
36	HISB-58 (34-36)	23	3.3	0		Yellowish brown F/C sand, some C/F gravel, loose, wet	SP	•••••	Slight ot moderate Naphthalene-like odor				
									No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Charles/Luke
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 60-65
 TOTAL DEPTH: 68'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/2/03
 DATE COMPLETED: 10/06/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS								
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING					
			0.6 1.9				SP											
40	16	0	0	0		Yellowish brown F/C sand, some F/M gravel, medium dense, wet	SP		No physical/visual evidence of impacts									
	9.5	0	0	0		Brownish yellow F/M sand, trace F gravel, loose, wet	SP		No physical/visual evidence of impacts									
44	21	0	0	0		Brownish yellow C/F sand, trace F gravel, blk mica flakes, loose, wet	SP		No physical/visual evidence of impacts									
	18	0	0	0		Brownish yellow F/M sand, black mica flakes, some F/C gravel, loose, wet			No physical/visual evidence of impacts									
48	17	0.3 0.1	0	0		Yellowish brown F silty sand, medium dense, wet	SP		No physical/visual evidence of impacts									
	20	0.6 0.8	0	0		Brownish yellow F/M sand, trace F gravel, medium dense, wet			No physical/visual evidence of impacts									
52	18	8 2.2	0	0		Yellowish brown F/M silty sand, trace M gravel, medium dense, wet	SM		No physical/visual evidence of impacts									
	22	0 0.1	0	0		Yellowish brown F/C sand, black mica, trace F gravel, medium dense, wet	SP		Moderate Naphthalene-like odor									
						Yellowish brown F/M sand, with yellowish red banding, trace F/M gravel, loose, wet, black mica flakes	SP		Slight MGP-like odor									
						Yellowish brown F/C sand, some F gravel, black mica flakes, medium dense, wet	SP		Very Slight unknown odor									
56	14	0 0	0	0			SP		No physical/visual evidence of impacts									
	17	0	0	0			SP		Very slight unknown odor									
60	20	14.1 0.7 0.3	0	0		Yellow to brown F/M silty sand, with yellowish red banding, medium dense, wet	SP		1" NAPL Saturated zone with blebs on liner, Moderate to strong Naphthalene-like odor									
						White F sand, with black mica flakes, medium dense, wet			Moderate Naphthalene-like odor									
	20	0 0 0	0	0			SP		No physical/visual evidence of impacts									
64	12	0	0	0		Light grey F sand with black mica flakes, medium dense, wet band of Dark grey silty sand at 65.5'	SP		No physical/visual evidence of impacts									
	HISB-58 (76-78)	18.5	0.4 0.7	0		Light brown F sand 2" band of silty sand, medium dense, black mica flakes, wet	SP		No physical/visual evidence of impacts									
68	22	0	0	0		Yellowish brown F sand, black mica flakes, medium dense, wet	SP		No physical/visual evidence of impacts									

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Charles/Luke
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Partly cloudy sunny 50-60
 TOTAL DEPTH: 68'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/17/03
 DATE COMPLETED: 10/21/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Dark brown F/M sand, some F/C gravel, brick fragments, mortar, backfill material, moist (~5' brick/rock rubble)	SP	•••••	Slight to moderate unknown odor, possibly MGP like odor				
4	HISB-58A (4-6)	42	3.9 26 2.3 1.0	0		7" dark gray F sand w/ F/M gravel, brownish yellow F/C sand, some F/M gravel lenses, black mica flakes, loose, moist Dark gray silty sand band	SP	•••••	Moderate MGP like odor Moderate burnt combustion fuel/unknown odor Moderate unknown like odor				
8		48	1.7 1.3 2.4 2.8	0		Brownish yellow w/dark brown F/C sand banding, some F/M gravel moist Brownish F/M sand, some F gravel, loose, 4" band of black silty sand, gravel, grass fragments, medium dense, moist	SM	•••••	Heavily coated with MGP like substance, moderate MGP like odor				
	HISB-58A (10-12)	36	1.9 1.0 1.9 1.1	0		Yellowish brown F/M sand w/brownish yellow band, F/M gravel lenses, brown silty sand band @10', loose, moist	SP	•••••	Moderate unknown odor/burnt combustion fuel like odor				
12						Yellowish brown F/M sand w/brownish yellow to dark yellow banding, some F/M gravel lenses throughout core, medium dense, moist	SP	•••••	Moderate unknown odor				
16		32	6.8 2.4 0.7 6.5	0		Light brownish yellow brown F/C sand w/black mica flakes, some F/C gravel, medium dense, moist, 4" @ bottom	SP	•••••	Moderate unknown odor				
20		32	4.8 1.1 0.6	0		brownish yellow F silty sand, 1 large gravel piece in bottom	SP	•••••	Moderate unknown odor				
24		32	9.5 1.9 99.7 132.2	0		Light brown w/yellowish brown F/C sand, some F/C gravel, dense, moist, bottom 8" light brown F silty sand, trace F/M gravel, loose, moist	SP	•••••	Slight unknown odor				
28		29	237 337 394	0		Yellowish brown F/M sand, trace F gravel, medium dense, moist Dark brown F sand, trace F gravel, medium dense, moist	SP	•••••	Moderate unknown odor Heavily coated w/naphthalene & fuel like odor, liner lightly stained at bottom, moderate naphthalene/fuel like odor				
	HISB-58A (30-32)					Brownish F/M sand, medium dense, moist	SP	•••••	Brown staining on liner, heavily coated and moderate to strong naphthalene like odor				
32	HISB-58A (33-35)	24	5.7 30.7 11.2	0	▼	Light brown F/M sand, trace F gravel, mica flakes, dense, wet	SP	•••••	Slight naphthalene like odor				
36		26	0	0									

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Charles/Luke
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Partly cloudy sunny 50-60
 TOTAL DEPTH: 68'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/17/03
 DATE COMPLETED: 10/21/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
40		12	0	0		Brownish yellow F/M sand, some F gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
						Yellowish brown F/C sand, some F/C gravel, medium dense, black mica flakes, wet			No physical/visual evidence of impacts				
44		18	0	0		Yellowish brown F/M sand w/black mica, trace F gravel, dense, wet, occasional yellowish red silty sand pockets	SP		No physical/visual evidence of impacts				
						Brownish yellow F/C sand, some F/C gravel, blk mica flakes, md dense, wet, yellowish red silty sand banding at bottom	SP		No physical/visual evidence of impacts				
48		14	2.8 0.3	0		Brownish yellow F/C sand, black mica flakes, trace F/M gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
		6	0.4	0		Brownish yellow F/M sand w/occasional yellowish red silty sand pockets, trace F/M gravel, medium dense, black mica flakes, wet	SP		No physical/visual evidence of impacts				
52		5	6.4	0		Brownish yellow F/M sand w/mica flakes, trace F gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
		12	3.2 4.4	0		Brownish yellow to yellowish red F/M sand, black mica flakes, trace F gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
		9.5	0.2 0	0		Brownish yellow F/C sand, black mica, some F/M gravel, light yellowish red clay sand mottles @ bottom surrounded by yellowish red silty sand, md dense, wet	SC		No physical/visual evidence of impacts				
56		10	0.1 1.5	0		Brownish yellow F/M sand, some F/M gravel, medium dense, wet	SP		No physical/visual evidence of impacts				
		9	0.2 0.4	0		Large rock wedged in tip of core, minimal collection/rock held sample in core			No physical/visual evidence of impacts				
60		14	0.2 0.5	0		Brownish yellow F/C sand, some F/M gravel, loose, wet, black mica flakes	SP		No physical/visual evidence of impacts				
		17	1.1 0.8 0.8	0 0 0		Brownish yellow F/C sand, some F/M gravel, bottom 4" yellowish brown, light brown, and dark grey silty sand banding, 1" brownish yellow F sand, medium dense, wet	SP		No physical/visual evidence of impacts				
64		16	1.0 0.2 0.1 0	0 0 0		Light brown w/yellowish brown, dark grey brown silty sand banding, trace F gravel, F sand, brownish red F silty sand (in tip), loose, wet	SM		No physical/visual evidence of impacts				
		17	0	0		Yellowish brown F sand w/dark brown, dark grey, white, & light yellow silty sand banding, medium dense, wet	SP		No physical/visual evidence of impacts				
68	HISB-58A (66-68)					Dark grey band silty sand			No physical/visual evidence of impacts				
						Dark brown F/M sand w/dark grey, dark yellow banding (4"), medium dense, black mica flakes, wet			No physical/visual evidence of impacts				
						Yellowish brown F/M sand w/dark red, dark grey, black, brown clayey sand (1" band), black mica flakes, medium dense, wet			No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 60
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/30/03
 DATE COMPLETED: 10/1/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		72	0	0		Dark brown F/M sand, some F/C gravel, moist	SP	@5' small to medium coal pieces					
4		29	0.2 0 0.1	0		Dark brown F/M sand, some F/M gravel, moist Yellowish brown F/M sand, some F/M gravel, loose, moist	SP						
8	HISB-59 (9-11) MS, MSD	36	0 0.2 0.4 0.2	0		Yellowish brown F/M sand, black mica flakes, trac F/M gravel @ 11.5', loose, moist	SP						
12		48	0.1 0.1 0.3 0.1	0		Dark brown F/M sand (sand fell in from sides) Yellowish brown F/M sand, some gravel lenses F/M @ 15 & 15.7, loose, moist	SP						
16		27	0.3 0.1	0		Yellowish brown F/M sand, trace F gravel, loose, moist	SP						
20		29	0.2 0.7 0.5	0		Yellowish brown F/M sand, some F/M gravel, loose, moist Yellowish red F/C sand w/F/C gravel lenses, loose, moist Light yellowish red to yellowish brown F/M sand, some F/M gravel, loose, moist	SP						
24		26	0.9 2.9 31.4 74.7	0		Brownish yellow to brown F/C sand w/brown staining of F/M sand and F/M gravel, loose, mica flakes, moist	SP		Brown staining of sand, gravel, & liner, moderate fuel like odor, bottom 4" coated,				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 60
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/30/03
 DATE COMPLETED: 10/1/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
28		36	168 197 477 937	0		Light brown w/yellowish banding F/M sand, mica flakes, loose, wet	SP	moderate fuel like odor					
	HISB-59 (30-32)					Dark grey F/M sand w/trace silt and mica flakes		Strong naphthalene like odor					
						Dark brown band of F/C silty sand, medium dense, wet		Heavily coated dark grey banding, strong naphthalene like odor					
32		30	721 295 33.9	0		Yellowish brown F/M silty sand, trace F/M gravel, loose, moist	SM	Saturated dark brown band of silty sand, moderate to strong naphthalene like odor, brown staining on liner					
	HISB-59 (32-34)							Sand w/7" separate phase NAPL product running down inside of liner, saturated sand, dark brown staining on liner					
36		30	71 31.1 31.1 61.7	0		Yellowish brown F/C silty sand, trace F/M gravel, loose, moist	SP	Slight MGP like odor middle of core					
						Yellowish brown F/C sand, some F/C gravel throughout core, loose, wet		Moderate naphthalene like odor in bottom 2"					
40		28	16.8 17.6 7.8	0		Yellowish brown F/M sand, trace F/M gravel, medium dense, mica flakes, wet	SP	Slight MGP like odor					
44		25	1.5 3.3 0.6	0		Yellowish brown F/M sand, slight yellowish red band @ 46', mica flakes, bottom 4" strong brown F/M sand, some M/F gravel, medium dense, wet	SP	Slight naphthalene like odor dissipates towards bottom of core					
48		24	0.7 137 7.7	0		Yellowish brown F/M sand, some F gravel, medium dense, dark brown F/M sand, tr F gravel, yellowish brown F/M sand some F/M gravel at bottom, md dense, wet	SP	Moderate naphthalene like odor					
								Saturated zone w/strong naphthalene like odor, sheen, bottom 2" moderate naphthalene like odor, brown stained liner					
52		27	0 0 3	0			SP						

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 60
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/30/03
 DATE COMPLETED: 10/1/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTIONS	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
56	23	5	12.8 405 243	0		Yellowish F sand, mica flakes, medium dense, wet	SP	•••••	Slight naphthalene like odor				
60	20	23.7 17.5		0		Yellowish red F/C sand, some F/C gravel, medium dense, wet Light brown to brownish yellow w/dark brown banding F/C sand, some F/C gravel, medium dense, wet	SP	•••••	Moderate naphthalene like odor Dark brown banding of NAPL saturation, strong naphthalene like odor, brown staining on liner				
64	16	17.1 39.3 7.9 3.2		0		White w/black mica flecks F sand, large gravel located at top, medium dense, wet - core damaged at top 2' interval	SP	•••••	Slight to moderate naphthalene like odor, 2" bottom core stained brown w/strong naphthalene like product and odor				
68	20.5	1.2 1.7 36		0		White F sand, mica flecks, yellowish brown F silty sand, medium dense wet - core crushed	SP	•••••	Coated dk brown stained (blebs) material NAPL on liner, sheen, mod naphthalene like odor Mod naphthalene like odor, brown stain on outside tip				
68	20	0 1.5		0		White F sand, black mica flecks, medium dense, wet	SP	•••••	Mod naphthalene like odor, sheen & dark br heavily coated sand, mod naphthalene like odor				
68	20	0 1.5		0		Yellowish brown F sand w/black mica flecks, medium dense, wet	SM	•••••	Slight to mod naphthalene like odor				
72	21	0.4 0.4		0		Brownish yellow to yellowish brown F/M sand, mica flakes, dark grey silt zones @ 64.5', medium dense, wet	SP	•••••	Mod naphthalene like odor				
72	17	0		0		Yellowish brown F/M sand, black mica flecks, bottom 2" yellowish brown w/light grey sandy clay lenses, medium dense wet	SP	•••••	Slight naphthalene like odor				
76	19	2.5 0.8		0		Yellowish brown F/M sand, mica flakes, medium dense, wet	SP	•••••	Slight naphthalene like odor				
76	18	0.8 2.6		0		Yellowish brown F/M sand, mica flakes, medium dense, wet	SP	•••••	Slight naphthalene like odor				
76	18	0.8 2.6		0		Brownish yellow F/M sand, bottom 3" of dark grey F/M silt zones, mica flakes, medium dense, wet	SP	•••••	Slight naphthalene like odor (MGP like)				
80	HISB-59 (78-80)	3.1 5.2		0		Brownish yellow F/M sand, mica flakes, brown to yellowish red banding @4" from bottom of core of F/M sand, medium dense wet	SP	•••••	Slight naphthalene like odor				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny, windy 65
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/25/03
 DATE COMPLETED: 9/29/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Dark brown F/M sand, some F/M gravel, black F/M sand & wood fragments, moist	SP	Fuel like odor					
				2		Black F/M sand, wood fragments & cinders (purifier waste)		MGP like odor					
						Brownish yellow F/M sand, some F/M gravel, moist		MGP like odor					
4	HISB-60 (4-5)	48	0	2		Black to dark brown F/M sand, some F gravel, wood & cinder fragments, loose, wet	SP	Slight MGP like odor					
				1		Brownish yellow F/M sand, some F/M gravel, loose, moist							
				0									
				0									
8	HISB-60 (9-11)	48	0	0		Yellowish brown F/M sand, some F gravel lenses @ 9' & 10', loose, moist	SP	Slight MGP like odor					
12		36	0	0		Yellowish brown F/M sand, some F/M gravel, 1" light brown band F/M sand, some F/M gravel @ 15', loose, moist	SP	Slight to moderate petroleum like odor (gasoline)					
			0.8	0									
			42.7	1									
16	HISB-60 (17-19)	36	143	1		F/C yellowish red sand, F/M gravel, loose, moist	SP	Moderate petroleum like odor (gasoline)					
			114	0									
			252	1		Yellowish red F/C sand, some F/M gravel, loose, moist		Coated grains noted @ 18.4', moderate MGP and fuel like odor					
20		36	25.7	1		Yellowish brown F/M sand, some F/M gravel, loose, moist	SP	Moderate MGP like odor					
			8.1	1									
			5.6	1									
			6.3	1									
24		32	11.7	0		Yellowish brown F/M sand, trace F gravel, loose, moist	SP	Slight MGP like odor					
			26.3										
			134										
28		32	184	0		Dark brown F sand, loose, moist		Heavily coated sand, moderate petroleum/MGP like odor					
			248										
			273										
			228			Dark brown F sand, mica flakes, loose, wet	SP	Heavily coated sand, bottom 6" saturated w/dark brown NAPL substance, dark brown staining on liner, moderate naphthalene like odor, dark brown/black blebs at bottom of liner					
32	HISB-60 (29-31)	32	53	0									
			65.2										
			9.2										
						Light brown to brownish yellow silty sand, w/yellowish red banding @ 33.5', loose, wet	SM	Slight naphthalene like odor					
						Yellowish brown F/M sand, trace F/M gravel lenses @ 35.5', medium dense, wet		Slight naphthalene like odor					

PROJECT NUMBER: 2522.013.024
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 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny, windy 65
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/25/03
 DATE COMPLETED: 9/29/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS								
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING					
36		18	0	0			SP											
40		30	0	0		Brownish yellow F/C sand, some C/F gravel, large 1" gravel in tip, loose, wet	SP		No physical/visual evidence of impacts									
44		20	0	0		Brownish yellow F/C sand, some F/C gravel, black mica flecks, loose, wet Brownish yellow w/yellowish red band @ 43.5 F/M sand, trace F/M gravel, loose, wet	SP		No physical/visual evidence of impacts									
48		15	0	0		Brownish yellow F/C sand, some F/C gravel, loose, wet Brownish yellow F/M sand, trace F/M gravel, mica flakes, loose to medium dense, wet	SP		No physical/visual evidence of impacts									
52		12	1.7 0.4 0	0		Brownish yellow F/M sand, trace gravel, medium dense, wet	SP		No physical/visual evidence of impacts									
56		12	0	0		Yellowish red F/C sand, mica flakes, some F/M gravel, medium dense, wet	SP		No physical/visual evidence of impacts									
60		18	0	0		Yellowish brown w/yellowish red banding @ 57.5' F/M sand, mica flakes, trace F/M gravel, medium dense, wet	SP		No physical/visual evidence of impacts									
64		16	3.1 0.6 7.1	0		Yellowish brown F/M sand, some F/M gravel, medium dense, wet	SP		Slight to moderate naphthalene like odor, dark brown staining on tip of liner									
68		15	1.7 5.5 9.2 3.1	0		Yellowish brown, brownish yellow, light brown F/M sand, trace F/M gravel, some F/C gravel, mica flecks	SP		Strong to moderate naphthalene like odor, gravel lenses w/heavily coated to saturated naphthalene like odor, sheen, dark brown staining on tip of liner									
72		18.5	1.3 0 0.3 0	0		Very pale brown silty sand, @63' yellowish brown banding F/M sand, black mica flakes, medium dense, wet	SM		Slight naphthalene (MGP) like odor									
76		11.5	0	0		Light brown to very pale brown F/M sand, black mica flakes, pale brown to brown yellow F/M sand in bottom 1", medium dense, wet	SP		Slight odor in top									
80		21	4.7 0.6 0.3	0		Light brown to very pale brown F/M sand, @67.5' yellowish brown to pale brown tip F/M sand, medium dense, wet	SP		Slight naphthalene like odor									
84		16	0	0		Yellowish brown F sand, @ 69.5' brown to yellowish red silty sand, bottom 2" light brown F/M sand, black mica, medium dense, wet	SM		No physical/visual evidence of impacts									

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny, windy 65
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/25/03
 DATE COMPLETED: 9/29/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
72		22	0	0		Brown to yellowish brown F/M sand, mica flakes, medium dense, wet	SP		No physical/visual evidence of impacts				
		15	0.1 0.2	0		Yellowish brown to light brown F/M sand, mica flakes, medium dense, wet	SP		No physical/visual evidence of impacts				
		21	0	0		Yellowish brown F/M sand, mica flakes, medium dense, wet	SP		No physical/visual evidence of impacts				
76		9	0.3 0.3	0		Yellowish brown F sand, mica flakes, medium dense, wet	SP		No physical/visual evidence of impacts				
80	HISB-60 (78-80)	17	0.3 0	0		Very pale brown to light brown F sand, black band F sand @ 79.5', black mica flakes, medium dense, wet	SP		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: DEFAULT LISTING
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 65-70
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/22/03
 DATE COMPLETED: 9/24/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0.4 0.6	0		Dark br F/M sand, some F/C gravel, loose, moist	SP	Sand coated w/petroluem like odor and substance					
4		24	0.7 0.6 1.7	0		Dark br to yellowish red F/M sand, some F/M gravel, loose, moist	SP	No physical/visual evidence					
8		36	1.3 1.7 2.0	0		Brownish yellow F/C sand, some F/M gravel, loose, moist	SP	No physical/visual evidence					
12	HISB-60 (10-12)	48	1.6 0.8 0.3 0	0		Brownish yellow F/M sand, some F/C gravel, loose, moist	SP	No physical/visual evidence					
16		36	15.1 47 65 72	0		Brownish yellow F/C sand, dark grey lenses @ 18-19', some F/M gravel, loose, moist	SP	Dark grey staining lenses, moderate naphthalene like odor					
20		36	72 59 75 114	0		Dark grey F/C sand, some F/C gravel, loose, moist	SP	Dark grey coated sand, moderate to strong naphthalene like odor					
24		36	109 94.5 11.9 26.7	0		Black F/M sand, loose, moist	SP	Black heavily coated sand, strong tar like odor					
24		36	109 94.5 11.9 26.7	0		Brownish yellow w/dark grey F/C sand, some F/C gravel, loose, moist	SP	Strong naphthalene like odor					
28		36	109 94.5 11.9 26.7	0		Brownish yellow dark grey banding @ 26-26.5', loose, moist F/C sand	SP	Dark grey heavily coated banding, moderate naphthalene like odor					
28		42	43.5 377 94 555	0		Brownish yellow to olive grey to dark grey F/M sand, light brown silty sand lens @ 27.5', loose, moist	SP	Brown staining on liner, moderate naphthalene like odor					
28		42	43.5 377 94 555	0		Brownish yellow F/M sand, dark brown banding, medium dense, wet	SP	Moderate naphthalene like odor, heavily coated w/naphthalene like substance, sheen					
28	HISB-60 (30-32)	42	43.5 377 94 555	0		Light brown F/M silty sand, medium dense, wet	SP	Heavily coated w/naphthalene like odor, separate phase NAPL, sheen					
32		36	7.9 14.1 8.6 6.9	0		Brownish yellow F/M sand, trace F gravel, medium dense, wet	SP	Strong to mod naphthalene like odor, brown staining on liner					
32	HISB-60 (33-35)	36	7.9 14.1 8.6 6.9	0		Brownish yellow F/M sand, trace F gravel, medium dense, wet	SP	Slight naphthalene like odor					

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: DEFAULT LISTING
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 65-70
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/22/03
 DATE COMPLETED: 9/24/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
36	24	6.6 5.3 7.2	0			Brownish yellow F silty sand, loose, wet	SP	•••••	Moderate naphthalene like odor				
40	24	2.9 0	0			Brownish yellow F/C sand, some F/C gravel, loose, wet - large piece of rock in tip	SP	•••••	Slight naphthalene like odor				
44	18	0	0			6" F/C gravel, brownish yellow to yellowish red F/M sand, trace gravel, wet	SP	•••••	Slight naphthalene like odor				
48	18	12 6.9	0			Brownish yellow to yellowish red F/M sand, dark yellowish red banding @45&45.5', some F gravel, loose, wet	SP	•••••	Slight naphthalene like odor				
48	21	2.7 1.7	0			Brownish yellow F sand w/yellowish red lenses @ 49.5-50', trace F gravel, medium dense, wet	SP	•••••	Slight naphthalene like odor				
52	16	15.7 21.5	0			Brownish yellow F/M sand, trace F gravel, medium dense, wet	SP	•••••	Slight naphthalene like odor				
52	14	31.4 16.6 5.6	0			Yellowish brown w/yellowish red banding @ 53.5' F/C sand, some F/M gravel, medium dense, wet	SP	•••••	Slight naphthalene like odor				
56	20	6.8 7.6	0			Yellowish brown F/M sand, some F/M gravel, medium dense, wet	SP	•••••	Very slgt naphthalene like odor				
56	19	6.7 5.4	0			Yellowish brown w/yellowish red banding F/M sand, medium dense, wet	SP	•••••	Slight naphthalene like odor				
60	HISB-60 (58-60) 24	32 9.3	0			Yellowish brown F/M sand, trace F gravel, loose, wet	SP	•••••	Saturated w/NAPL like substance, dark brown discoloration noted on sand, moderate naphthalene like odor, sheen				
60	24	2.7 3.8	0			Yellowish red F silty sand, F to C gravel w/yellowish red F/C sand, medium dense, wet Light brown F silty sand, medium dense, wet	SM	•••••	Moderate naphthalene like odor Moderate naphthalene like odor				
64	22	1 0.8	0			Light brown F silty sand, mica flakes, dark grey to light brown 2" band of silt @ 63', medium dense, wet	SP	•••••	Slight naphthalene like odor				
64	22	1.1 2.0	0			Light brown w/dark brown to dark grey banding F/M sand, medium dense, wet Dark grey & brown F/M sand, 2" band of light brown to light grey F silty sand, mica flakes, medium dense, wet	SP	•••••	Dark grey stained band @ 64', moderate naphthalene like odor Dark grey & brown staining on sand, moderate naphthalene like odor				
68	17	0.4 1.9	0			Yellowish brown w/dark brown banding in core F silty sand, mica flakes, yellowish red band @ bottom, medium dense, wet	SP	•••••	Slight naphthalene like odor				
68	17	0	0			Brown silty sand, w/yellowish red banding, mica flecks, medium dense, wet	SM	•••••	Slight naphthalene like odor				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: DEFAULT LISTING
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 65-70
 TOTAL DEPTH: 80'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/22/03
 DATE COMPLETED: 9/24/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
72		20	0.6 0.4	0		Light brown w/yellowish red band of F silty sand, mica flecks, bottom 2" yellowish brown F sand, medium dense, wet	SP		Slight naphthalene like odor				
		16	0.4 0.4	0		Yellowish brown w/yellowish red banding F/M sand, mica flecks, medium dense, wet	SP		Very slight naphthalene like odor				
		22	0	0		Yellowish brown to light brown F sand, mica flecks, yellowish red banding, medium dense, wet	SP		Very slight naphthalene like odor				
76		14	0	0		Yellowish brown F sand, mica flakes, medium dense, wet	SP		No physical/visual evidence				
80	HISB-60 (78-80) MS, MSD	15	0	0		Yellowish red w/br banding F sand, mica flecks, medium dense, wet	SP		No physical/visual evidence				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Evan Moratis/Rick Lyons
 ENVIRONMENTAL SCIENTIST: Jeff Diamond

WEATHER: Overcast, Humid Mid 70s
 TOTAL DEPTH: 36'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 7/6/05
 DATE COMPLETED: 7/6/05

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		60	0	0		Dark-Dusky Yellowish Brown Medium to Very Coarse Silty Sand with Fine and Coarse Gravel, trace Mica	SM		No physical/visual evidence of impacts				
4		29	3.5	0		Dusky Yellowish Brown Coarse to Very Coarse Sand, little Silt, little Clay							
			4.9	0		Dark Yellowish Brown Coarse to Very Coarse silty Sand, little Fine to Coarse Gravel, trace Clay							
			2.5	0		Moderate to Dark Yellowish Brown Medium to Coarse Sand, little Fine to Coarse Gravel, trace Clay	SP						
8		34	3.2	0		Dark Yellowish Orange Coarse to Very Coarse Sand, some Fine Gravel			No physical/visual evidence of impacts				
			0	0		Dark Yellowish Orange Medium to Coarse Sand, trace Mica							
	HISB-61A (10-12)		0	0		Dark Yellowish Orange to Light Brown Coarse to Very Coarse Sand, some Fine Gravel							
			0	0		Dark Yellowish Orange to Pale Yellowish Orange Medium to Very Coarse Sand							
12		46	0	0		Moderate Yellowish Brown Medium to Very Coarse Sand			No physical/visual evidence of impacts				
			0	0		Dark Yellowish Brown to Light Brown Medium to Very Coarse Sand, little Fine to Coarse Gravel, trace Silt, trace Mica			No physical/visual evidence of impacts				
			0	0									
16		33	0	0		Dark Yellowish Brown Medium to Very Coarse Sand, little Fine to Coarse Gravel							
			0	0		Moderate Yellowish Brown to Light Brown Medium to Very Coarse Sand, little Fine to Coarse Gravel							
			0	6		Dusky Brown Medium to Very Coarse Silty Sand, some Fine Gravel	SM						
20		29	0	0		Light Brown Coarse to Very Coarse Sand, little Fine Gravel, trace Mica	SP		Coated, Moderate Petroleum-Like Odor				
			0	0		Dark Gray and Yellowish Gray Medium to Very Coarse Sand, little Fine Gravel, trace Mica							
			0	0									
			0	0		Grayish Orange Coarse to Very Coarse Sand, little Fine and Coarse Gravel, trace Mica			Moderate Petroleum-Like Odor				
24		27	0	0		Yellowish Gray Medium to Very Coarse Sand, some Fine Gravel							

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Evan Moratis/Rick Lyons
 ENVIRONMENTAL SCIENTIST: Jeff Diamond

WEATHER: Overcast, Humid Mid 70s
 TOTAL DEPTH: 36'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 7/6/05
 DATE COMPLETED: 7/6/05

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
28	28	0	0	0		Grayish Orange to Dark Yellowish Brown Fine to Coarse Sand	SM	Stained, Moderate Petroleum-Like Odor Slight Petroleum-Like Odor					
		0	0	0		Dark Gray to Grayish Black Fine to Very Coarse silty Sand, little Fine to Coarse Gravel, trace Mica							
		0	0	0		Dark Yellowish Brown Fine to Coarse Sand, some Silt, trace Mica		Coated, Moderate Petroleum-Like Odor					
		0	0	0	▼								
32	32	0	0	0		Grayish Orange to Moderate Yellowish Brown Fine silty micaceous Sand	SP	Lenses of Petroleum Saturated Sands, Moderate Naphthalene-Like Odor Slight Naphthalene-Like Odor					
		0	0	0		Grayish Orange Fine to Very Coarse Sand, some Mica, little Fine Gravel							
		0	0	0		Grayish Orange to Dark Yellowish Orange Medium to Coarse Sand, some Fine Sand, some Mica, little Fine Gravel							
36		0	0	0									

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 50
 TOTAL DEPTH: 54'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/7/03
 DATE COMPLETED: 10/8/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Light brown F sand & silt, topsoil, some M/L gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
						Dark brown F sand & silt, topsoil, some M/L gravel, twigs, roots, loose, moist		•••••	No physical/visual evidence of impacts				
4		34	0	0		Dark brown topsoil, brownish yellow F sand, trace silt, trace F gravel, loose, dry	SP	•••••	No physical/visual evidence of impacts				
8		48	0	0		Brownish yellow F/M sand, some F/C gravel, loose, dry	SP	•••••	No physical/visual evidence of impacts				
	HISB-62 (9-11) MS, MSD												
12		38	0	0		Brownish yellow F/C sand, some F/C gravel, loose, dry	SP	•••••	No physical/visual evidence of impacts				
						Brownish yellow F/C sand, tr F/M gravel, loose, moist		•••••	No physical/visual evidence of impacts				
16		30	0	0		Brownish yellow F/M sand, w/yellowish red silty sand banding @ 18', loose, moist	SP	•••••	No physical/visual evidence of impacts				
						Brownish yellow F/M sand to 19' F/C sand w/yellowish red silty sand banding @ 19.5', some F/M gravel, loose, moist		•••••	No physical/visual evidence of impacts				
20		29.5	0	0		Brownish yellow F/M sand, some F/M gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
			0	0									
			0	0									
			6.9										
24		22	76.4	0		Dark brown F/M sand w/dark grey band @ 23.5', some F gravel, loose, moist	SP	•••••	Slight unknown odor				
	HISB-62 (24-26)		269										
			286			Brown F/M sand, mica flakes, medium dense, wet		•••••	Heavily coated w/saturated bands (dark brown), strong naphthalene like odor, dark brown staining on liner				
28		26	3.4	0			SP	•••••					
			8.3										
			38.2										
32		9	13.5	0		Light brown F/M sand, trace F gravel, loose, wet	SP	•••••	Moderate naphthalene like odor				
	HISB-62 (30-32)		18.9	2									

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 50
 TOTAL DEPTH: 54'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/7/03
 DATE COMPLETED: 10/8/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
36	18	4.7 7.8	0 1			Lightt brown F/M silty sand, some F/C gravel, loose, wet			Slight naphthalene like odor				
						Brownish yellow F/M sand, some F/C gravel, medium dense, wet	SP		Slight naphthalene like odor				
	20	1.2 3.2	0			Brownish yellow F/M sand, mica flakes, some F/M gravel, medium dense, wet	SP		Slight naphthalene like odor				
40	15	11.7 9.8	0				SP						
	13	0 0.3	0			Brownish yellow F/M sand, trace F gravel, mica flakes, small pockets of yellowish red silt, loose, wet	SP		Slight to moderate naphthalene like odor				
44	8	5.7 2.8	0			Brownish yellow F/M sand, M/C gravel @ 43.5 & 44', 1" clayey sand pocket @ 19', mica flakes, some fine gravel, loose, wet	SP		Moderate naphthalene like odor				
	7	3.4 3.6	0			Brownish yellow F/M sand, large piece gravel @ 45.5', gradually F/C sand, some F/C gravel, loose, wet	SP						
48	8	4.6 29.7	0			Brownish yellow F/M sand, trace F gravel, black mica flakes, loose, wet Brownish yellow F/M sand, some F/M gravel, loose, wet	SP		Moderate naphthalene like odor				
	10	2.3 1.6 6.9	0			Brownish yellow F/C sand, some F gravel, black mica flakes, loose, wet	SP		Heavily coated sand, bottom 1" saturated dark brown separate phase NAPL product, strong naphthalene like odor, dark brown staining on liner Moderate to strong naphthalene like odor, blebs noted on bottom of liner, sheen				
52	7	1.3 3.2 7.5	0			Brownish yellow F/M sand, trace F gravel, black mica flakes, loose, wet	SP		Moderate naphthalene like odor, dark brown staining on bottom of liner, sheen				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Partly cloudy, windy 70
 TOTAL DEPTH: 36'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/18/03
 DATE COMPLETED: 9/18/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0.4	0		Dark brown silt and C/F sand, F/C gravel, loose, moist	SM		No physical/visual evidence of impacts				
4		30	0 0 2.7	0		Brown F/C sand, little M/F gravel, little silt, becoming dark grey to black, loose, moist	SP		Heavily stained w/viscous NAPL substance, black tar like substance, strong MGP like odor				
8	HISB-63 (7-11)	44	18.6 6.6 2.4 2.5	0		Black F/C sand, little F gravel w/lens of clayey silt, loose, moist Yellowish brown F/C sand, little F gravel, trace silt, lens of clayey silt, loose moist	SP		Tar like coating and saturation, strong MGP like odor Tar like coating and saturation, strong MGP like odor				
12		44	0	0		Yellowish brown F/C sand, little F gravel in lens, medium dense, moist	SP		Slight to mod MGP like odor				
16		40	0	0		Yellowish brown F/C sand, some F/M gravel, trace silt, limonite stained layer, medium dense, moist	SP		No physical/visual evidence of impacts				
20		40	0.1 0.2 0 0	0		Yellowish brown to brown F/C sand, some F/M gravel, trace silt, medium dense, moist	SP		No physical/visual evidence of impacts				
24		36	0.4 0 0 0	0 1		Yellowish brown to brown F/C sand, little F gravel, trace silt, medium dense to loose, moist	SP		No physical/visual evidence of impacts				
28	HISB-63 (29-31)	24	0.5 0.2 0 0	1 0		Brown F/M sand, trace F/M gravel, trace silt, medium dense, wet	SP		No physical/visual evidence of impacts				
32		40	0	0		Yellowish brown to brown F/M sand w/occasional layers of silty F sand and F/C sand, little F gravel, trace silt, 1" & 1/4" layers of silty sand F/C sand in bottom	SP		No physical/visual evidence of impacts				
36	HISB-63 (34-36)												

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 70
 TOTAL DEPTH: 58'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/12/03
 DATE COMPLETED: 9/15/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		72	0			Brown F/M sand, some F/C gravel, loose, moist	SP		No physical/visual evidence of impacts				
4		36	0 0.2 0			Brownish yellow F/M sand w/dark grey banding, some F/C gravel, loose, moist	SP		No physical/visual evidence of impacts				
8		48	0.2 0 0.8 0.8			Brownish yellow F/C sand w/small dark grey banding, some F/M gravel, loose, moist	SP		Very slight unknown odor				
12	HISB-64 (10-12)	48	0 0.2 1 0.3			Brownish yellow to brown F/C sand, some F/M gravel, loose, moist	SP		Very slight unknown odor				
16		42	0.6 1.2 1.8 2.0			Brownish yellow F/C sand, some F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
20		30	6.7 82.7 88			Brown F/M sand, some F/C gravel, loose, moist	SP		Heavily coated w/tar like substance, moderate naphthalene like odor, brown staining on liner				
24	HISB-64 (23-25)	30	92 52 10.8 19.2			Brown F/M sand, loose, moist Brownish yellow F/M sand, trace F gravel, loose, moist	SP		Heavily coated w/naphthalene like odor, moderate naphthalene like odor Heavily coated w/naphthalene like odor, moderate naphthalene like odor				
28			31.3 116 124 124			Brownish yellow F/C sand, trace F gravel, medium dense, moist	SP		Heavily coated w/naphthalene like odor, moderate naphthalene like odor, brown staining on liner				
32	HISB-64 (30-32)	24	5.4 3.3			Brownish yellow F/M sand, slight yellowish red & brown banding, medium dense, wet	SP		Moderate naphthalene like odor				
		22	0			Brownish yellow to yellowish red F/M sand, slight yellowish red & brown banding, medium dense, wet	SP		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 70
 TOTAL DEPTH: 58'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/12/03
 DATE COMPLETED: 9/15/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
36		18	0			Brownish yellow F/M sand, F/C gravel, medium dense, wet	SP	•••••	No physical/visual evidence of impacts				
		12	0			Brownish yellow F/C sand, F/C gravel, medium dense, wet	SP	•••••	No physical/visual evidence of impacts				
40		6	00.7 6.2			Brownish yellow to yellowish red F/C sand, some F/C gravel, medium dense, wet	SP	•••••	Heavily coated w/tar like substance, moderate tar like odor, reddish brown staining on liner, tar like flecks in core			■	■
		22	28.2 6.3 7.1			Brownish yellow F/M sand, trace F/C gravel, medium dense, wet	SP	•••••	NAPL saturation pocket (1/2") @ 43', brown staining on liner, slight naphthalene like odor, sheen			■	■
44	HISB-64 (44-46)	22	0			Brownish yellow F/M sand, F gravel, medium dense, wet Brownish yellow w/yellowish red banding F/C sand, trace F/M gravel, medium dense, wet	SP	•••••	Very slight naphthalene like odor			■	■
48													
		20	0			Brownish yellow F/M sand, trace F/M gravel, medium dense, wet	SP	•••••	1" @ bottom tar/NAPL like substance, stained liner, slight sheen			■	■
52		20	0			Brownish yellow F/M sand, trace F/M gravel, medium dense, wet	SP	•••••	No physical/visual evidence of impacts				
		23	0			Brownish yellow F/M sand w/yellowish red banding @ 55'-56', mica flecks, trace F gravel, medium dense, wet	SP	•••••	No physical/visual evidence of impacts				
56	HISB-64 (56-58)	22	0			Brownish yellow F/C sand, trace F gravel, medium dense, wet	SP	•••••	No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Charles/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 75
 TOTAL DEPTH: 48'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/16/03
 DATE COMPLETED: 9/16/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS				
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING	
0		48	0	0		Dark grey F/M sand, some F/C gravel, loose, moist	SP							
4		42	0 6 1.4 7.6	0		Brownish yellow F/C sand, some F/M gravel, loose, moist	SP		Slight tar like odor					
8	HISB-65 (8-12)	48	5.8 0 22 7.1	0 1 0 2		Yellowish brown F/C sand, little F gravel, trace silt, 3" lens of dark greyish brown silty F/C sand, little gravel, loose, moist	SP		Slight tar like odor, coal fragments					
12		42	0 0 4.3 5.2	0 0 1 1		Yellowish brown F/C sand, little F/C gravel, trace silt, loose, moist	SP		Slight MGP like odor					
16		36	0	0 0 1 1		Yellowish brown F/C sand, little F gravel, trace silt, loose, moist	SP		Staining noted @ 16.5, very slight naphthalene like odor					
20		36	0	0 0 1 1		Yellowish brown F/C sand, trace F/C gravel, trace silt w/1.5" layer C/F sand and gravel, loose, moist	SP		Patchy staining in gravel layer, blebs, slight naphthalene like odor					
24		36	0	0		Yellowish brown F/C sand, trace F gravel, loose, moist	SP		Very slight naphthalene like odor					
28	HISB-65 (29-31)	36	1.5 6.0 3.8 4.5 12	0	▼	Yellowish brown F/M sand, trace silt w/lens of C/F sand, loose, wet	SP		Slight odor, sheen					
32	HISB-65 (32.5-34.5)	30	4.5 20 28.6 63	0		Yellowish brown F/M sand, trace brown silt, wet	SP		Dark coating, strong MGP like odor, occasional blebs, sheen					
36		30	1.8 2.2 1.8 1.6	0		Yellowish brown F/M sand, trace silt, trace F gravel grading to yellowish brown F/C sand, little F/C gravel, wet	SP		Slight naphthalene like odor					
40		36	0	0		Yellowish brown sandy F/C gravel, trace silt w/ayers of F/M sand, wet	SP		Slight odor, sheen, liner stained lower 2"					
44		26	0	0		Yellowish brown F/C sand, little F gravel, wet	SP		Very slight naphthalene like odor					
48	HISB-65 (46-48)													

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 72
 TOTAL DEPTH: 60'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/17/03
 DATE COMPLETED: 9/17/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48		0		Dark brown F/C sand, some F/M gravel	SP	•••••	Moderate tar like odor				
4		36	4.1 1.5 17.4 53.7	0		Yellowish brown F/C sand, trace dark brown silt, brick fragments, loose, moist	SP	•••••	Tar like substance, coated grains, strong MGP like odor, staining on liner				
8		48	146 51.2 47.1 94.2	0		Yellowish brown F/C sand w/trace F gravelly lenses, moist	SP	•••••	Strong MGP like odor, heavily coated sand				
12		44	3.6 117 100	0		Yellowish brown F/C sand, trace F gravel, trace silt, moist	SP	•••••	Strong MGP like odor, coated sand, blebs, black staining on liner				
16	HISB-66 (14-16)	44	214 140 273 110 107	0		Light grey to brown F/C sand, little F gravel, moist	SP	•••••	Very strong MGP like odor, heavily coated w/black MGP like substance				
20		40	236 276 415 592	0		Dark grey to black F/C sand, little F gravel, moist	SP	•••••	Very strong MGP like odor, heavily coated sand, stained liner				
24	HISB-66 (22-24)	36	269 319 387	0		Yellowish brown F/M sand, trace F gravel, w/dark grey bands, moist	SP	•••••	Strong naphthalene like odor, black staining on liner				
28		3	423 228 158	0	▼	Yellowish brown F/M sand, w/gravelly lenses, wet	SP	•••••	Heavily coated and strong naphthalene like odor, saturated w/NAPL, brown staining on liner				
32		42	42.6 83.7 79.2 200	0		Dk yellowish brown to greyish brown interlayered F sand & silty sand, wet	SP	•••••	Strong MGP like odor, band of NAPL saturation in core, liner stained				
36		40	369 10.6 168 14.2	0		Yellowish brown F/M sand, trace silt, some gravel, wet	SP	•••••	Bands of NAPL saturation, strong MGP like odor, stained liner				
40		36	13 11 113 9	0		Yellowish brown gravelly F/M sand, trace F gravel, wet	SP	•••••	Sand saturated w/NAPL, strong MGP like odor, stained liner				
44		36	0 5 2 95	0 0 1 1		Yellowish brown F/M sand, trace F gravel, wet	SP	•••••	2 dark stained layers w/free floating NAPL, strong MGP like odor, liner stained and coated w/NAPL				
48		36	0.5 0	0		Yellowish brown F/C sand, trace F gravel, trace silt grading to F gravel, wet	SP	•••••	Slight odor				
52		24	0 1.2 3.1 12.3	0		Yellowish brown F/M sand, trace F gravel, trace silt, wet	SP	•••••	Slight odor				
56		20	0	0		Yellowish brown F/C sand, trace silt, little F/M gravel, wet	SP	•••••	Slight odor				
60	HISB-66 (58-60) MS, MSD												

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Partly sunny 70
 TOTAL DEPTH: 52'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/8/03
 DATE COMPLETED: 9/8/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	16.1	0		Brown to black F sand, some F/C gravel, loose, moist	SP	•••••	Slight coal tar like odor, heavily coated coal tar like material, moderate to strong tar like odor				
4		24	88.9 124 103 131	1 1		Dark grey to black F/M sand, concrete pieces, olive grey to black F/M sand, trace F/M gravel, loose, moist	SP	•••••	Heavily coated tar like product, blebs, moderate tar like odor				
8		48	187 35.4 319 192	0		Olive grey to dark grey F/M sand, w/light brown to brown banding, loose, moist	SP	•••••	Heavily coated, naphthalene like odor, moderate tar like odor				
12		48	147 234 415 326	0		Olive grey to dark grey w/light grey to brown banding F/M sand, trace F gravel, moist	SP	•••••	Heavily coated, moderate to strong naphthalene /tar like odor, sheen				
16	HISB-67 (14-16)	48	253 112 153 219	1 2		Dark grey to brown F/M sand, some F/M gravel, loose, wet	SP	•••••	Heavily coated with tar like product, moderate naphthalene /tar like odor, sheen				
20		36	387 357 308	1 1 3		Dark grey to black F/M sand, loose, moist	SP	•••••	Dark grey staining & heavily coated w/tar like product, moderate to strong naphthalene/tar like odor				
24		36	184 407 218	0		Dark grey to black F/M sand, trace F/M gravel, loose, moist	SP	•••••	Heavily coated w/tar like product, strong naphthalene/tar like odor				
28	HISB-67 (26-28)	24	462 220 355	0		Greyish brown F/M sand, loose, wet	SP	•••••	Brown staining on liner, black blebs, moderate naphthalene like odor, heavily coated staining on sand				
32	HISB-67 (30-32)	24	32 7 29.3	0	▼	Light brown w/dark grey banding F/M sand, black flecks of mica, dense, wet	SP	•••••	Slight naphthalene like odor				
36		24	7.9 3.3 13.5 3.5	0		Brownish yellow F/C sand, some F/M gravel, loose, wet Brownish yellow F/M sand, trace F/M gravel, loose, wet	SP	•••••	No physical/visual evidence of impacts				
40		36	1.3 5.2 3.3	0		Brownish yellow F/C sand, some F/M gravel, @ 43' reddish brown banding w/F/C gravel, loose, wet	SP	•••••	Very slight naphthalene like odor, no odor at bottom				
44		24	0	0		Brownish yellow F/M sand, trace F/M gravel, loose, wet	SP	•••••	No physical/visual evidence of impacts				
48		24	0	0		Brownish yellow F/C sand, trace F/C gravel, loose, wet	SP	•••••	No physical/visual evidence of impacts				
52	HISB-67 (50-52) MS, MSD												

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 70
 TOTAL DEPTH: 52'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/9/03
 DATE COMPLETED: 9/9/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	7.2 23.1	0		Dark grey to dark brown F/C sand, some F/C gravel	SP	Heavily coated black sand w/tar like substance, slight to moderate naphthalene like odor					
4		36	7.2 14 6.6 6.6	0		Dark grey w/light brown banding F/M sand, trace F gravel, loose, moist Reddish yellow F/M sand banding, brownish yellow F/M sand in bottom 2"	SP	Heavily coated w/black tar like substance, slight naphthalene/tar like odor					
8	HISB-68 (9-11)	48	14.7 93.4 55.7 16.6	0		Dark grey F/M sand, @ 9-9.5' brownish yellow F/M sand, loose, moist Dark grey to light brown F/C sand, loose, moist, light brown sand banding @ bottom	SP	Heavily coated w/black staining of petroleum like odor, moderate petroleum/gas like odor					
12		48	16.3 6.0 4.0	0		Brownish yellow F/M sand, some F/M gravel, loose, moist Light brown to grey F/C sand, trace F gravel, loose, moist	SP	Heavily coated black tar like substance @ top, moderate naphthalene/tar like odor Heavily coated w/black tar like substance, moderate tar like odor					
16		48	26.2 55.1 182	0		Brownish yellow F/M sand, trace F/M gravel, loose, moist Black F/C sand, trace F/C gravel, loose, moist	SP	Heavily coated black banding of tar like substance Heavily coated w/tar like substance, moderate naphthalene/petroleum like odor, sheen					
20		36	107 128 196 168	0		Olive grey F/C sand, trace F gravel, dark grey banding noted throughout, loose, moist	SP	Heavily coated, and moderate naphthalene like odor, sheen					
24	HISB-68 (26-28)	24	54.5 200 36.6	0		Brownish yellow to light grey w/dark grey F/M sand, trace F/M gravel, loose, moist	SP	Heavily coated, and moderate naphthalene/tar like odor, sheen					
28		36	111 146 113 122	0		Brownish yellow F/C sand, trace F/M gravel, loose, wet	SP	Heavily coated, and naphthalene like odor, staining on liner					
32	HISB-68 (30-32)	24	25.1 17.7	0		Brownish yellow F sand, loose, wet	SP	Heavily coated black band, moderate naphthalene like odor					

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 70
 TOTAL DEPTH: 52'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/9/03
 DATE COMPLETED: 9/9/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
36	36	1.4 0	0	0		Brownish yellow F/M sand, C gravel w/brownish yellow F sand, loose, wet	SP		Slight naphthalene like odor				
40	24	0	0	0		Brownish yellow F/C sand, trace F gravel, loose, wet	SP		No physical/visual evidence of impacts				
44	12	0	0	0		Brownish yellow F/C sand, trace F/M gravel, loose, wet	SP		No physical/visual evidence of impacts				
	18	0	0	0		Brownish yellow F/C sand, trace F gravel, loose, wet	SP		No physical/visual evidence of impacts				
48	18	0	0	0		Brownish yellow to yellowish red F/M sand, trace F gravel, 1" of light brown clay, loose, wet	SP		No physical/visual evidence of impacts				
	12	0	0	0		Brownish yellow F/C sand w/yellowish red banding 49-49.5'; some F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
52	HISB-68 (51-52)					Brownish yellow F/C sand, @ 51.5' yellowish red band, some F/M gravel, loose, wet	SP		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Overcast, humid, slgt drizzle 70
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/4/03
 DATE COMPLETED: 9/4/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Brown F/M sand, some F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
						Dark brown F/M sand, some F/M gravel, loose, moist - large rock in bottom			No physical/visual evidence of impacts				
4		24	0	0		Dark brown F/M sand, some F/M gravel, loose, wet	SP		No physical/visual evidence of impacts				
8	HISB-69 (8-10)	42	0	0		Dark brown F/M sand, trace F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
						Brownish yellow F/M sand, trace F gravel, loose, moist			No physical/visual evidence of impacts				
12		48	0	0		Brownish yellow F/M sand, trace F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
						Brownish yellow F/M sand, some F/C gravel, loose, moist			No physical/visual evidence of impacts				
16		48	0	0		Dark brown to brownish yellow F/M sand, some F/C gravel, loose, moist	SP		No physical/visual evidence of impacts				
						Brownish yellow F/M sand, @ 21' dark brown 1" section F sand, yellowish brown F/C sand, some F/C gravel, loose, moist			Slight possible naphthalene like odor				
20		36	0	0		Yellowish brown F/M sand, trace F gravel, loose, moist	SP		No physical/visual evidence of impacts				
24		30	0	0		Yellowish brown F/M sand, trace F gravel, loose, moist	SP		No physical/visual evidence of impacts				
	HISB-69 (26-28)												
28		24	0	0									
32	HISB-69 (30-32)	24	0	0		Brownish yellow F/M sand, w/reddish yellow & grey banding, dense, wet			Heavily coated sand, moderate naphthalene like odor				
36		36	0	0		Brownish yellow F/M sand, loose, wet	SP		Slight naphthalene like odor				

PROJECT NUMBER: 2522.013.024
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 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Overcast, humid, slgt drizzle 70
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/4/03
 DATE COMPLETED: 9/4/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
37-38'						Brownish yellow F/C sand, black mica flecks, @ 37-38' some F/C gravel, loose, wet	SP		Slight to mod naphthalene like odor				
40	24	9.7	51	0									
43-44'						Light brown F/M sand, trace F gravel, wet Light greyish brown F/C sand, 43.5-44' C/F gravel, black mica flecks, loose, wet	SP		No physical/visual evidence of impacts Slight naphthalene like odor				
44	12	0	0	0									
47-48'						Greenish grey to light brown F/M sand, black mica flecks, F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
48	18	0	0	0									
51-52'						Brownish yellow F sand, w/1" of F/C gravel, loose, wet Brownish yellow F/M sand, black flecks, trace F gravel, loose, wet	SP		Very slight naphthalene like odor No physical/visual evidence of impacts				
52	18	0	0	0									
55-56'						Brownish yellow F/M sand, F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
56	18	0	0	0									
63-64'						Brownish yellow F/C sand, some F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
64	18	0	0	0									
67-68'						Light brownish yellow F sand, slight reddish yellow banding, loose, wet	SP		No physical/visual evidence of impacts				
68	24	0	0	0									
68-70'						Very pale brown to light grey F/M sand, black flecks, loose, wet Grey 1" band of F/M sand, w/reddish yellow banding, light brown to light grey F/M sand, loose, wet	SP		No physical/visual evidence of impacts No physical/visual evidence of impacts				
68	HISB-69 (68-70)	18	0	0									
68-70'						Light brown to brownish yellow F/M sand, w/grey small sections of silty sand, loose, wet Brownish yellow F/M sandy clay, loose, wet	SP		No physical/visual evidence of impacts No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 70
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/10/03
 DATE COMPLETED: 9/10/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0						Dark brown F/M sand, trace F/C gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
						Light brown F/M sand, some F/C gravel, loose, moist		•••••	No physical/visual evidence of impacts				
4	48	0.5	0.2	0		Olive grey F/C sand, some F/C gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
	HISB-70 (6-8)	0.1	0.1			Light brown F/M sand, some F/C gravel banding, loose, moist		•••••	No physical/visual evidence of impacts				
8	48	0	1.1	0		Brownish yellow F/M sand, trace F gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
						2" dark grey F/M silty sand, some F/M gravel, loose, moist		•••••	No physical/visual evidence of impacts				
12	42	0.2	0.3	0		Brownish yellow F/M sand w/yellowish red banding, trace F/M gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
			0			Yellowish red F/M sand, some F/M gravel, loose, moist		•••••	No physical/visual evidence of impacts				
16	36	4.9	25.3	0		Brownish yellow F/M sand, some F/C gravel, loose, moist	SP	•••••	Heavily coated black tar like substance located @ 18' above F/C gravel zone 6", slight to moderate naphthalene like odor				
		52.1	1	1		Dark brown F/C sand, some F/C gravel, loose, moist		•••••	Sand coated w/naphthalene like substance, moderate naphthalene like odor				
20	36	50.4	41.2	0		Olive grey F/M sand, some F/M gravel, loose, moist	SP	•••••	Heavily coated w/black tar like substance, slight naphthalene/fuel like odor				
		52.7	1	0		Light brown F/M sand, some F/M gravel, loose, moist		•••••	Black heavily coated sand, slight naphthalene/fuel like odor				
24	36	199	121	0		Olive grey F/C sand, trace F gravel, loose, moist	SP	•••••	Moderate naphthalene/fuel like odor				
	HISB-70 (25-27)	160	122			Olive grey to brownish yellow F/C sand, some F/C gravel, loose, moist		•••••	Black heavily coated sand, moderate naphthalene like odor				
28	36	79	152	0		Brownish yellow F/M sand, loose, moist	SP	•••••	Moderate naphthalene like odor				
		199	0	0		Dark grey F/M sand, trace F gravel, loose, wet		•••••	Dark grey heavily coated sand, moderate fuel like odor, red/orange staining on stick, reddish brown staining on liner				
32	36	24.9	5.3	0		Olive grey F/M sand, w/black banding, trace F gravel, loose, moist	SP	•••••	Slight petroleum like odor				
	HISB-70 (31-33)	8.7	0	0									
36	36	1.9	1	1									

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 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 70
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/10/03
 DATE COMPLETED: 9/10/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
40	30		3.6	0		Olive grey F/M sand, trace F/M gravel, loose, moist	SP		Slight naphthalene like odor				
			3.4	1		Dark grey F/M sand, loose, moist							
44	18		0.5	0		Olive grey F/M sand, loose, wet	SP		Slight naphthalene like odor				
			0.3			Brownish yellow F/C sand, trace gravel, loose, wet							
48	10		1.5	0		Brownish yellow F/C sand, some F/C gravel throughout core, loose, wet	SP		No physical/visual evidence of impacts				
			0	0		Brownish yellow F/C sand, trace F gravel, wet							
52	17		0	0		Brownish yellow F/C sand, trace F gravel, wet	SP		No physical/visual evidence of impacts				
			0	0		Brownish yellow F/C sand, trace F gravel, wet							
56	22		0	0		Brownish yellow F/C sand, trace F gravel, wet	SP		No physical/visual evidence of impacts				
			0	0		Brownish yellow F/M sand, trace F gravel, md dense, wet							
64	22		0	0		Brownish yellow to yellowish red F/M sand, trace F/M gravel, loose, wet	SP		No physical/visual evidence of impacts				
			0	0		Brownish yellow F/M sand, some F/C gravel, loose, wet							
68	22		0	0		Brownish yellow F/M sand, some F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
			0	0		Brownish yellow F/M sand, some F/C gravel, loose, wet							
68	HISB-70 (68-70)	24	0	0		Brownish yellow F/M sand w/yellowish red banding @ 69.5', trace F gravel, loose, wet	SP		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Charles/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny, slgt wind 75
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 8/25/03
 DATE COMPLETED: 8/26/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Dark brown F/M sand, trace silt, w/some F/C gravel, moist	SP	•••••	No physical/visual evidence of impacts				
						Very dark brown F/M sand, trace silt, some F/C gravel, loose, moist		•••••	No physical/visual evidence of impacts				
4		30	0	0		Very dark brown F/M sand, trace silt, trace F/C gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
	HISB-71 (6-8)					Dark yellowish brown F/C sand, trace silt, some F/C gravel, loose, moist		•••••	No physical/visual evidence of impacts				
8		48	0	0		Yellowish brown F/C sand, trace silt, some F/M gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
	HISB-71 (8-12)												
12		36	0	0		Yellowish brown F/C sand, some F/C gravel, loose, moist	SP	•••••	No physical/visual evidence of impacts				
16		36	5.7 67 275	0		Yellowish brown F/M sand, trace silt, loose, moist	SP	•••••	No physical/visual evidence of impacts				
	HISB-71 (19-20)					Light yellowish brown M/C sand, F/C gravel, loose, wet		•••••	Moderate naphthalene like odor				
20		48	918 674 575	1 2 4		Dark yellowish brown F/M sand, some F/M gravel, loose, wet	SP	•••••	Moderate naphthalene like odor				
24		48	1400 964 993 784	0		Yellowish brown F/M sand, little gravel, trace silt, loose, wet	SP	•••••	Light to moderate staining, brown staining on liner				
28		24	857 1364 1647	0		Light brown F sand, trace silt, loose, wet	SP	•••••	Heavy brown staining w/saturated NAPL, blebs on inner liner, strong naphthalene like odor				
	HISB-71 (31-32)												
32		24	83 61.4 15 54	0		Light brown w/reddish brown banding F sand, trace silt, dense, wet	SP	•••••	Light naphthalene like odor				
36		48	15 54	0		Light brown M sand, trace silt, some F/M gravel, dense, wet	SP	•••••	Light naphthalene like odor				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Charles/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny, slgt wind 75
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 8/25/03
 DATE COMPLETED: 8/26/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
40		48	1.4 0	0		Light brown M sand, trace silt, some F/M gravel, dense, wet, coarse gravel noted at bottom	SP		Light naphthalene like odor				
44		24	0	0			SP						
48	HISB-71 (46-48)	24	0	0		Light brown w/reddish yellow banding M/C sand, trace silt, some F/C gravel, dense, wet			Light naphthalene like odor				
52		48	0	0		Light brown w/reddish yellow banding M/C sand, trace silt, some F/C gravel, dense, wet	SP		No physical/visual evidence of impacts				
56		24	0	0		Light yellowish brown F/C sand, w/reddish yellow banding, dense, wet	SP		No physical/visual evidence of impacts				
60		24	0	0		Brownish yellow F/M sand, w/reddish yellow banding, dense, wet	SP		No physical/visual evidence of impacts				
60		24	0	0		Light yellowish brown F/C sand, some F/C gravel, dense, wet	SP		No physical/visual evidence of impacts				
60		24	0	0		Brownish yellow F/M sand, w/reddish yellow brown F/C sand, some F/C gravel, dense, wet	SP		No physical/visual evidence of impacts				
64		24	0	0		Light yellowish brown F/M sand, F/C gravel, dense, wet	SP		No physical/visual evidence of impacts				
64		24	0	0		Light yellowish brown F/M sand, w/black mica flakes, dense, wet	SP		No physical/visual evidence of impacts				
68		12	0	0		Light yellowish brown F/M sand, w/black mica flakes, dense, wet	SP		No physical/visual evidence of impacts				
68	HISB-71 (67-68)	24	0	0		Dark yellowish brown F/M sand, dense, wet, brownish yellow clayey sand in tip			No physical/visual evidence of impacts				
						Yellowish brown F/M sand, reddish brown clayey sand, dark grey flecks, loose, wet	SC		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Charles/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Slight wind 75
 TOTAL DEPTH: 62'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 8/27/03
 DATE COMPLETED: 8/28/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Very dark brown F/M sand, loose, moist	SP		No physical/visual evidence of impacts				
4		36	1.7 2.9 3.8	0		Brownish yellow F/M sand, trace silt, trace F/M gravel, 3.5' brown banding of sand, loose, moist	SP		No physical/visual evidence of impacts				
8	HISB-72 (9-11)	48	3.7 4.8 5.7 5.3	0		Brownish yellow F/M sand, brown banding @ 8.5', loose, moist	SP		No physical/visual evidence of impacts				
12		48	0 1.5	0		Brownish yellow F/M sand, some F/M quartz gravel, loose, moist	SP		No physical/visual evidence of impacts				
16		36	7.0 6.9 9.6	0 1 0		Brown F/M sand, some F/C quartz gravel, loose, moist	SP		Slight petroleum odor				
20		48	0 121 530 471	0 0 0 1		Dark yellowish brown F/M sand, trace silt, some F/M gravel, loose, moist	SP		Slight unknown odor possible fuel like				
24	HISB-72 (26-28)	36	86 107 931 703	0		Brownish yellow F/M sand, some F/C gravel, loose, moist	SP		Strong naphthalene like odor, slovent like odor, sheen				Yellow
28	HISB-72 (28-30)	12	1247 157	0		Light yellowish brown F sand, loose, moist	SP		Heavily coated w/staining of tar like substance, moderate naphthalene like odor				Yellow
32		24	51 31.7 8.6	0		Pale yellow to light yellowish brown F/M sand, dense, moist	SP		Moderate naphthalene like odor				
36			158	0		Dark greenish grey F/C sand, F/C gravel, loose, wet	SP		Moderate naphthalene like odor				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Charles/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sltg wind 75
 TOTAL DEPTH: 62'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 8/27/03
 DATE COMPLETED: 8/28/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
40			127	0		Dark yellowish brown F/M sand, trace M/C gravel, loose, wet	SP		Moderate naphthalene like odor				
44	24	0.9 7.8 9.4	0	0		Light yellowish brown F/C sand, some F/C gravel, loose, wet	SP		Slight naphthalene like odor				
	24	0	0	0		Light yellowish brown F/C sand, some F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
48	24	0	0	0		Light yellowish brown F/C sand, some F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
	24	0	0	0		Light yellowish brown F/C sand, some F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
52	24	1.1	0	0		Brownish yellow F/M sand, trace F/M gravel, loose, wet	SP		No physical/visual evidence of impacts				
	24	0.8 1.1	0	0		Brownish yellow F/M sand, trace F/M gravel, loose, wet	SP		No physical/visual evidence of impacts				
56	12	0 0.2	0	0		Brownish yellow F/M sand, loose, wet	SP		No physical/visual evidence of impacts				
	12	0.5 0.4	0	0		Brownish yellow F/M sand, loose, wet	SP		Very slight naphthalene like odor				
60	HISB-72 (60-62) MS, MSD	12	0.4 0.1	0		Brownish yellow F/M sand, trace F/M gravel, loose, wet	SP		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Charles/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Drizzle & overcast ~65
 TOTAL DEPTH: 68'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/2/03
 DATE COMPLETED: 9/3/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Brown F/M sand, some F/C gravel, moist	SP		No physical/visual evidence of impacts				
4		48	0	0		Brownish yellow to dark brown F/M sand, trace F/M gravel	SP		No physical/visual evidence of impacts				
8	HISB-73 (6-8)	48	0	0		F/C gravel, brownish yellow F/C sand, moist and brownish yellow F/C sand Dark brown sand, F/C gravel, moist Brownish yellow F/M sand, trace F gravel, moist	SP		No physical/visual evidence of impacts				
12		36	11.1 10.9 6.8	0		Brownish yellow F/C sand, some F/C gravel, moist	SP		No physical/visual evidence of impacts				
16		36	9.9 6.5 11.1	0		Brownish yellow F/C sand, brown reddish brown banding, F/C gravel, moist	SP		No physical/visual evidence of impacts				
20		30	0	0		Brown F/C sand, some F/C gravel, moist	SP		Slight petroleum like odor				
24		30	45 115 61	0		Brown F/M sand, trace, F/M gravel, w/yellowish brown to dark brown banding throughout core, loose, wet	SP		Moderate petroleum like odor				
28	HISB-73 (27-29)	30	64 38 31	0		Yellow brown F silty sand, w/reddish brown and brown banding	SP		Slight naphthalene like odor, heavily coated, petroleum like odor				
32		36	16.1 9.7 7.3	0		Brownish yellow F/M sand, loose, wet	SP		Very slight naphthalene like odor				
36		24	18.5 60.1	0		F/C gravel layer 1-2" thick	SP						

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Charles/Evan
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Drizzle & overcast ~65
 TOTAL DEPTH: 68'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 9/2/03
 DATE COMPLETED: 9/3/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
40	36	24.7	16.2 10.4, 11.2	0		Lt brown F/M sand, loose, wet, trace F/M gravel Lt grey F/C sand, trace F/M gravel, loose, wet			Slight naphthalene like odor				
44	12	13.0 31.7	0	0		Brownish yellow F/C sand, some F/C gravel, loose, wet	SP		Slight naphthalene like odor				
48	18	0	0	0		Brownish yellow F/C sand, trace S/M gravel, loose wet, F black sand flecks noted throughout core	SP		No physical/visual evidence of impacts				
48	18	0	0	0		Brownish yellow F/M sand, trace F/M gravel, loose wet	SP		Slight naphthalene like odor				
48	18	0	0	0		Reddish yellow F/M sand, loose, wet	SP		No physical/visual evidence of impacts				
48	18	0	0	0		Yellow F/C sand, trace gravel, loose, wet	SP		No physical/visual evidence of impacts				
52	24	0	0	0		Brownish yellow F/M sand, F black flecks noted in core, loose, wet	SP		No physical/visual evidence of impacts				
52	12	0	0	0		Brownish yellow F/C sand, F black flecks in sample, loose, wet	SP		No physical/visual evidence of impacts				
56	6	0	0	0			SP		No physical/visual evidence of impacts				
56	24	0	0	0		Brownish yellow F/M sand, 2" F/C gravel, loose, wet Brownish yellow F/C sand, some F/C gravel, loose, wet	SP		No physical/visual evidence of impacts No physical/visual evidence of impacts				
60	18	0	0	0			SP		No physical/visual evidence of impacts				
60	24	0	0	0		Brownish yellow F/C sand, 1-2" of F/C gravel, loose, wet	SP		No physical/visual evidence of impacts				
64	18	0	0	0		Yellow F/M sand, loose, wet	SM		No physical/visual evidence of impacts				
64	24	0	0	0		Brownish yellow F silty sand, dense, wet	SM		No physical/visual evidence of impacts				
68	HISB-73 (66-67), MS, MSD	18	0	0		Brownish yellow to light yellow, silty sand w/reddish brown and brown banding, dense, wet Brownish yellow to light yellow clayey sand	SC		No physical/visual evidence of impacts No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Charles
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny to partly cloudy 60
 TOTAL DEPTH: 40'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/16/03
 DATE COMPLETED: 10/17/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		48	0	0		Brown F/M sand, some F/C gravel, moist	SP		No physical/visual evidence of impacts				
4		48	0	0		Brownish yellow F/M sand, some F/C gravel, mica flakes, loose, moist	SP		No physical/visual evidence of impacts				
8	HISB-74 (9-11)	48	0	0		Light brown to brownish yellow F/M sand w/ F/M gravel 2" dark gray silty sand band w/mica flakes, loose, moist	SP		No physical/visual evidence of impacts				
						Brownish yellow F/C sand w/F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
12		32	0.1	0		Yellowish brown F/M sand, trace F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
16		28	0	0		Yellowish brown F/M sand, some F/C gravel, loose, moist	SP		No physical/visual evidence of impacts				
20		29	0	0		Yellowish brown F/C sand, mica flakes, yellowish red banding @ 22.5', some F/C gravel, loose, moist	SP		No physical/visual evidence of impacts				
24		29	0.4	0		Brownish yellow F/M sand, trace F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
28		25	0	0		Brownish yellow F/M sand, mica flakes, some gravel lenses @ 27.5', loose, moist	SP		No physical/visual evidence of impacts				
32	HISB-74 (30-32)	33	0	0		Yellowish brown F sand w/light yellowish red banding, trace F gravel, loose, moist	SP		No physical/visual evidence of impacts				
36	HISB-74 (37-39)	27	0	0	▼	Light brown F silty sand w/mica, brown banding, medium dense, wet	SM		No physical/visual evidence of impacts				
						Light brown F silty sand, brownish banding, trace F gravel, medium dense, wet	SM		No physical/visual evidence of impacts				
40						Light brown w/brown banding F silty sand, trace F/M gravel, medium dense, wet	SM		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Drizzle, overcast 65
 TOTAL DEPTH: 64'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/27/03
 DATE COMPLETED: 10/28/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		60	4.9	0		Dark brown F/M sand, some F/M gravel, moist	SP	•••••	Moderate combustion burnt fuel like odor				
4		22	9.6 7.3 25.9	0		Dark brown F/M sand, some F gravel, moist, loose	SP	•••••	Moderate unknown odor (combustion fuel like odor)				
8		48	18.0 24.6 26.5 31.9	0		Brownish yellow F/M sand, some F/M gravel, loose, moist, dark brown F/M sand band @ bottom	SP	•••••	Moderate unknown odor @ bottom, light brown staining on liner				
12	HISB-75 (10-12) @ 1000	35	83.4 82.6 72.3 50.1	0		Dark brown, F/M sand, some F/M gravel, moist, loose Brownish yellow to light brown F/M sand w/dark gray band and 6" F/C gravel band to 10', loose, moist Light brown F/C sand w/dark brown, brown banding to bottom, F/M gravel, loose, moist Dark brown F/C sand, some F/M gravel, loose, moist	SP	•••••	Moderate combustion like fuel odor Moderate sweet unknown odor Moderate fuel like odor Moderate unknown (plastic like) odor				
16						F/C dark brown sand, some F/C gravel lenses, dark gray sand banding, loose, moist			Unknown combined with fuel like odor, 14-16' strong fuel like odor at bottom				
20		33	513 382 676 573	0 1 4 5		Light brown to light reddish brown F/C sand, F/C gravel lenses @ 18', loose, moist Light reddish brown F/C sand, some F/C gravel, loose, moist	SP	•••••	Strong to moderate fuel like odor Strong to moderate fuel like odor				
24		30	226 434 598 1016	0 0 0 1		Light brown F/M sand w/dark gray reddish brown banding, some F/C gravel lenses ~10" @ 22', loose, moist Light yellowish brown F sand w/dark gray banding, some F/M gravel, loose, moist	SP	•••••	Strong fuel like odor Strong fuel like odor				
28	HISB-75 (26-28) @ 1115	32	1161 1038 1364 1061	0		Light brown F/M sand, trace F gravel, loose, moist Light brown w/dark gray banding F/M sand, some F/M gravel, loose, moist, dark gray banding @ bottom	SP	•••••	Strong fuel like odor Fuel like odor, brown staining on liner				
32	HISB-75 (30-32) @ 1118	36	824 6993 10.95	0		Yellowish brown sand, loose, moist	SP	•••••	Heavily coated to saturated, dark brown staining on liner, strong MGP like odor and coating on sand, sheen, trace blebs noted on bottom				
36	HISB-75 (34-36) @ 1257	26	10.9 7.1 4.4	0		Light brown sand w/yellowish brown and dark gray banding, black mica flakes, trace gravel, moist Light brown F/C sand, trace F gravel, little silt, medium dense, wet	SP	•••••	No physical/visual evidence of impacts No physical/visual evidence of impacts				
40		25	2.9 6.0 3.5	0		Yellowish brown F/M sand, brown banding, F/C gravel lenses @ 39', medium dense, wet Yellowish brown F/C sand, F/C gravel, medium dense, wet	SP	•••••	Slight naphthalene like odor Slight naphthalene like odor				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Drizzle, overcast 65
 TOTAL DEPTH: 64'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/27/03
 DATE COMPLETED: 10/28/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
40		22	2.6 2.8 0.2	0		Brownish yellow F/C sand, some F/C gravel loose, black mica flakes, wet, no odor Bottom 6" yellowish brown F sand w/mica, trace F gravel, medium dense, no odor, wet	SP		No physical/visual evidence of impacts				
44		26	14.7 6.4 5.3	0		Yellowish brown F silty sand to F/M silty sand, trace F gravel, medium dense, no odor, wet	SP		No physical/visual evidence of impacts				
52													
56		22	5.8 10.9	0		Yellowish brown F/M sand, black mica flecks, trace F gravel, medium dense, wet	SP		Slight naphthalene like odor				
58		18	0	0			SP		Very slight naphthalene like odor				
60		13	6.7 3.3	0		Yellowish brown F/M sand w/yellowish red banding@ 57' to 57.5', trace F gravel, black mica flakes, medium dense, wet Yellowish brown to yellowish red F/M sand, trace F gravel, medium dense, wet	SP		Very slight naphthalene like odor				
62		19	13.1 15.8 8.1	0		Yellowish brown F/M sand, mica flakes, trace F gravel, medium dense, wet	SP		Slight naphthalene like odor				
63		15	307	0		Bottom 4" yellowish red F/C sand, some F/M gravel, medium dense, wet	SP		Slight naphthalene like odor				
64	HISB-75 (62-64) @ 1146					Yellowish brown, grayish brown, white, dark brown, light brown, w/yellowish brown banding F sand, medium dense, no odor, wet	SP		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/ Luke
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny windy, 60
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/22/03
 DATE COMPLETED: 10/24/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		60	0	0		Brown F sand, some F/C gravel, loose, dry (fill material)	SP		No physical/visual evidence of impacts				
4		36	0	0		Light brown, dark brown, brownish yellow F sand, some F/C gravel, loose, dry	SP		No physical/visual evidence of impacts				
8		48	0.3 0.1 0 0.2	0		Brownish yellow F/C sand, dark grey band of silty sand @ 8.5', black mica flakes, some F/C gravel, loose, dry	SP		No physical/visual evidence of impacts				
12		28	0.7 0.3 0.4	0		Brownish yellow F/M sand, yellowish red F/M sand banding, black mica flakes, some F gravel, loose, dry	SP		No physical/visual evidence of impacts				
16	HISB-76 (14-16)	39	0.2 0.1 0.4 0.2	0 0 1 0		Brownish yellow F/M sand, some F/C gravel mixed, dark brown banding, black mica flakes, loose, moist	SP		No physical/visual evidence of impacts				
20		18	0	0		Yellowish brown F/M sand, some F/M gravel, loose, moist	SP		No physical/visual evidence of impacts				
24		13	0	0		Yellowish brown F/M sand, light brown F/M sand banding, trace F gravel, loose, moist	SP		No physical/visual evidence of impacts				
24		19	0	0		Light brown F sand, some F gravel, loose, moist, 4" section of brown F silty sand w/dark brown banding in middle of core, M/C gravel in tip	SP		No physical/visual evidence of impacts				
28		17	0 0.3	0		Light brown F/M sand, 7" section dark brown F/M sand, light brown in bottom, trace F/M gravel, loose, moist, large piece of gravel in tip	SP		No physical/visual evidence of impacts				
28	HISB-76 (28-32)	18	0.3 0	0		3" of dark brown F sand, loose, moist, 15" yellowish brown F sand, black mica flakes, trace F gravel, loose, moist	SP		No physical/visual evidence of impacts				
32	HISB-76 (30-32)	17	0	0		Brownish yellow F sand w/brown, light brown, and yellowish brown banding, medium dense, wet	SP		No physical/visual evidence of impacts				
32		21	0	0		Brown F/M sand w/yellowish red silty sand, mica flakes, medium dense, wet, bottom 33.5' - 1" band of brown F silty sand, medium dense, wet	SP		No physical/visual evidence of impacts				
36		19	0	0		Brown F sand w/yellowish red banding, F silty sand lense @ 35', medium dense, black mica flakes, wet	SP		No physical/visual evidence of impacts				
36		20	0	0		Brown F silty sand, yellowish red banding 36.5', yellowish	SP		Slight unknown odor top of core				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/ Luke
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny windy, 60
 TOTAL DEPTH: 70'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/22/03
 DATE COMPLETED: 10/24/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
						brown marbeling in bottom of core F silty sand, medium dense, wet	SP						
		24	0.8 0	0		Brown F/M sand, some F/M gravel, loose, wet	SP		Slight unknown burnt like odor				
40		21	19.5 24.2	0		Brownish yellow F/C sand, some F/C gravel, medium dense, mica flakes, wet Brownish yellow F sand, F/M gravel lens @ 41.5', medium dense, mica flakes, wet	SP		Slight to moderate MGP like odor Slight MGP like odor				
		14	5.9 8.2	0		Light yellowish brown F/C sand, some F/M gravel, mica flakes, medium dense, wet	SP		Slight naphthalene like odor				
44		15.5	1.2 0	0		Light brown F sand, some F/M gravel, medium dense, mica flakes, wet	SP		Slight MGP like odor				
		7	4.0 3.6	0			SP						
48		20	3.3 6.1	0		Light brown F/M sand, mica flakes, trace F gravel, loose, trace silt, wet Light yellowish brown F/C sand, some F/C gravel, medium dense, wet	SP		Slight MGP like odor Slight MGP like odor				
		14	5.8 1.2	0		Light yellowish brown F/M sand w/black mica flakes, some F gravel, medium dense, wet	SP		Slight MGP like odor				
52		11	2.2 1.7	0		Light olive brown F sand, blk mica flakes, trace F gravel, medium dense, wet	SP		Slight MGP like odor				
		10	1.7 1.3	0			SP						
56		12	0	0		Brownish yellow F sand, trace F gravel, medium dense, mica flakes, trace silt, large piece gravel @ 55.5', wet	SP		Slight MGP like odor				
		3	0	0			SP		No physical/visual evidence of impacts				
60		8	0	0		Olive grey yellowish brown F silty sand, very loose, wet	SP		No physical/visual evidence of impacts				
		10	0	0		Light brownish yellow F sand, mica flakes, trace silt, medium dense, wet	SP		No physical/visual evidence of impacts				
64		16	0	0		Brownish yellow F/M sand, trace F gravel, trace silt, medium dense, wet	SP		No physical/visual evidence of impacts				
		16	0	0		Brownish yellow F/C sand, trace F/C gravel (more C gravel in tip) medium dense, wet	SP		No physical/visual evidence of impacts				
		16	0	0			SP		No physical/visual evidence of impacts				
68	HISB-76 (68-70)	17	0	0		Brownish yellow F/C sand, some F/M gravel in top/bottom of sample, medium dense, wet	SP		No physical/visual evidence of impacts				
						Brownish yellow F/C sand, trace F/M gravel, medium dense, wet	SC		No physical/visual evidence of impacts				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 60/Rain ovrkst 50 10/29
 TOTAL DEPTH: 48'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/28/03
 DATE COMPLETED: 10/30/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		60	0	0		Dark brown F/M sand, F/C gravel, some dark brown F medium stiff silt, moist	SM		No physical/visual evidence of impacts				
4		0		0		Hitting foundation at 6' and concrete @ 7.5' - No recovery			No physical/visual evidence of impacts				
8		24.5	575 75 126	0		Dark brown F/M sand, some F/M gravel, loose, wet	SP		Heavily saturated w/black tar like substance, blebs, black staining on liner, strong tar like and naphthalene like odor, sheen				
12	HISB-77 (10-12)	28	266 75 45	0 0 1		Dark brown F/M sand, some F gravel lenses top/bottom of core, loose, wet	SP		Heavily saturated w/black substance, blebs, dark brown staining on liner, strong naphthalene like odor, sheen				
16		29	24.8 11.5 68.3	0		Dark brown F/C sand, some F/M gravel, medium dense, wet	SP		Coated, w/solvent like odor, 2" saturated zone of dark grey coating @ 19', sheen, dark brown staining on liner, moderate to strong solvent like odor				
20		26	27.3 87.2 142	0		Dark reddish brown w/dark red banding to yellowish brown F/C sand, some F/M gravel, medium dense, wet	SP		Moderate fuel like odor				
24		20	239 370	0		Yellowish brown F/C sand, dark grey banding @ 27', trace F gravel, medium dense, wet	SP		Moderate fuel like and MGP like odor				
28		13	365 942	0			SP						
32	HISB-77 (30-32)	16	31 247	0		Dark brown w/dark grey banding, medium dense, wet	SM		Saturated w/NAPL, sheen, dark brown staining on liner, blebs in tip, strong naphthalene & MGP like odor				
36	HISB-77 (34-36)	13	34	0		Yellowish brown silty sand, brownish grey banding, medium			Slight naphthalene like odor				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Bob/Matt
 ENVIRONMENTAL SCIENTIST: JRT/CH

WEATHER: Sunny 60/Rain ovrkst 50 10/29
 TOTAL DEPTH: 48'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/28/03
 DATE COMPLETED: 10/30/03

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS							
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING				
			26.5			dense, wet	SM										
40		11	104 50.5	0		Yellowish brown silty sand, trace F gravel, medium dense, wet			Slight naphthalene like odor								
		8	10 6.6	0		F/C gravel, trace yellowish brown F/C sand, loose, wet	SP		Slight naphthlene like odor, staining on liner/elevated PID readings due to core pushing through upper impacted zone								
44		0		0		Damaged core - yellowish brown F/C sand, some F/M gravel, medium dense, wet	SP		Elevated PID readings due to core pushing through upper impacted zone								
						No recovery											
48	HISB-77 (46-48)	8	11.4 0	0		Yellowish brown F/M sand, trace F gravel, medium dense, wet	SP		Elevated PID readings due to core pushing through upper impacted zone								

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Charles/Matt
 ENVIRONMENTAL SCIENTIST: CH

WEATHER: Prtly cloudy, drizzle 45-50
 TOTAL DEPTH: 52'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 3/4/04
 DATE COMPLETED: 3/5/04

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING
0		60	0	0		Dark gray F/M sand, some F/M gravel, loose, moist, brick @ bottom	SP	•••••	Slight petroleum like odor				
4		36	0	0		Dark grayish brown F silty sand, some F/C gravel, loose, moist Brownish yellow F sand, some F/C gravel, mica, loose, moist - 1" section of coal/slag fragments	SP	•••••	Coal/slag fragments, moderate petroleum/tar like odor Slight petroleum like odor				
8		46	1.7 1.8 12.2	0		Brownish yellow F/C sand, some F/C gravel, mica, loose, moist 1" band gray F/C sand, dark brown F/C sand, some F/C gravel, loose, moist	SP	•••••	Moderate petroleum like odor Sheen, light coating on sand, moderate petroleum like odor				
12		24	4.4 209 24.5	0		Brownish yellow/light brown, dark gray F/C sand banding pattern, some F/C gravel, loose, moist	SP	•••••	Moderate petroleum like odor, slight sheen on sand				
16		36	36.0 34.5 48	0		Brownish yellow & dark gray striping F/C sand, loose, moist, some F/M gravel	SP	•••••	Moderate petroleum like odor				
20		24	50.8 72	0		Dark brown/dark gray F/C sand, some F/C gravel, moist, loose	SP	•••••	Sheen, moderate coating on sand, moderate petroleum like odor				
24		30	61 53.8	0		Dark grayish brown F/C sand, some F/C gravel, loose, moist	SP	•••••	Heavily coated, sheen, moderate to strong petroleum like odor				
28	HISB-78 (26-28), GCF	30	50.9 100 70 97	0 0 1 0	▼	Light brown/dark gray F/C sand, some F/M gravel, loose, moist	SP	•••••	Heavily coated, sheen, strong petroleum like odor				
32	HISB-78 (30-32)	24	21.3 14.9 9.8	0		Brownish yellow F/C sand, trace F/M gravel, loose, wet	SP	•••••	Moderate petroleum like odor				
36		12	0 164 21.9	0		Light brown to brownish yellow F/M sand, some F/C gravel, mica, loose, wet	SP	•••••	Slight petroleum like odor				
40	HISB-78 (39-40)	24	0.1 12.3	0		Brownish yellow F/M sand, trace F gravel, loose, wet Bottom 2" gray F/M sand, mica, trace F gravel, loose, wet	SP	•••••	4" zone dark gray NAPL saturated zone, strong tar like odor, coated grains, sheen, and dark gray/brown staining on liner				
44		24	0	0		Brownish yellow F/M sand, mica, trace F gravel, loose, wet	SP	•••••	Very slight petroleum like odor due to core passing through water table				
48	HISB-78 (48-52)	24	0	0		Brownish yellow F/C sand, mica, trace F gravel, loose, wet, no odor	SP	•••••					
52						Brownish yellow F/C sand, mica trace F/M gravel, loose, wet, no odor	SP	•••••					

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 DRILLING METHOD: GeoProbe
 DRILLER / HELPER: Charles/Matt
 ENVIRONMENTAL SCIENTIST: CH

WEATHER: Rain 45-50
 TOTAL DEPTH: 52'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 3/4/04
 DATE COMPLETED: 3/4/04

DEPTH	SAMPLE NUMBER	RECOVERY (in)	PID (ppm)	HCN (ppm)	WATER LEVEL	SOIL DESCRIPTION	USCS SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS				
										SOLID TAR	TAR SATURATED	GRAIN-COATING, ETC.	STAINING	
0		60	0.0 0.5	0		Dk brown F silty sand, trace gravel, loose, moist, no odor	SM							
4		36	0	0		Dk br to br F silty sand, tr F gravel, mica flakes, loose, moist, no odor Br F/M sand, some F gravel, loose, moist, no odor	SM							
8		48	0	0		Br yellow F/C sand, some F/M gravel, mica flakes, quartz, loose, moist, no odor	SP							
12		36	0	0		Br yellow to reddish br F/C sand striping, tr F/M gravel, mica, loose, no odor	SP							
16	HISB-79 (16-20)	30	2.3 13.3 58.6	0		Brown F/C sand, some F/M gravel, loose, wet, Brown F sand	SP		Gravel slightly coated, sheen, slight petroleum like odor					
20		24	41.1 55 81.2	0		Br F/C sand some F/M gravel, dk gray banding	SP							
24		24	62.6 119 118	0		Dk gray F/M sand, loose, moist	SP		Grains coated, slight sheen, slight to moderate petroleum like odor					
28	HISB-79 (28-32)	12	327 483 271	0		Br yellowish to reddish brown F/M sand, some F/C gravel, loose, moist	SP		Moderate petroleum like odor					
32	HISB-79 (32-36)	30	204 153 208	0	▼	Br F/C sand, some F/C gravel, loose, wet - core damaged	SP		Heavily coated grains, sheen, strong naphthalene like odor, strong MGP like odor, reddish brown staining/sheen on liner					
36		24	0 38.4 0	0		Brown F/C sand, some F/C gravel, loose, wet Br F/M sand, some F gravel, loose, wet	SP		Heavily coated to saturated petroleum like odor, moderate to strong odor at 34-35'					
40		10	0	0		4" gray sand silt w/F/M gravel, br yellow F/M sand, some F/M gravel, loose, wet Br yellow F sand, tr F gravel, loose, wet	SP		Sand coated w/naphthalene like & MGP like odor (moderate/strong), dark brown/reddish brown staining on liner, sheen, blebs, NAPL on liner Very very slight petroleum like odor (believed to be from water table)					
44		4	0	0		Br yellow F/M sand, tr F gravel, loose, wet, no odor	SP		Dark brown w/black heavily coated tar like staining, blebs, sheen, reddish brown staining on liner (1" zone), tar like odor					
48	HISB-79 (48-52)	8	0	0		Br yellow F/M sand, mica, tr F/M gravel, loose, wet, no odor - Sample too fine, washed out	SP							
52						Br yellow F/C sand, some F/M gravel, loose, wet, no odor								

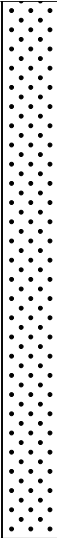
PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 EXCAVATION METHOD: Backhoe
 OPERATOR : Brookside Environmental Corp.
 ENVIRONMENTAL SCIENTIST: JMP

WEATHER: Sunny
 TOTAL DEPTH: 9'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/14/03
 DATE COMPLETED: 10/14/03

DEPTH	TP SAMPLE DEPTH	PID (ppm)	HCN (ppm)	SOIL DESCRIPTION	USCU SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS					
								SOLID TAR	TAR SATURATED	GRAIN COATING, ETC	STAINING		
0		0	0	Asphalt 2"	SP								
	42		0	Dark Brown F/C sand, tr Silt, C Gravel, layers of Light Brown F/C sand and C gravel									
	140		0	Brown F/M sand, trace silt, some M/C gravel			NAPL saturated						
	152		0										
	141		0	Brown F/M sand, trace silt, some M/C gravel			Saturated, coal frags, slag, Moderate to Strong MGP-like odor,partially combusted coal						
5							Saturated, Moderate MGP-like odor						
	47		0	Brown M/C gravel, little F sand			Coated, Moderate MGP-like odor						
	57.2		0	Yellowish brown M/C gravel, little F sand			Coated, Moderate MGP-like odor						

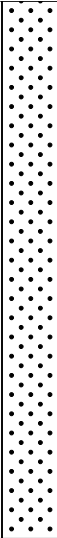
PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 EXCAVATION METHOD: Backhoe
 OPERATOR : Brookside Environmental Corp.
 ENVIRONMENTAL SCIENTIST: JMP

WEATHER: Sunny
 TOTAL DEPTH: 7'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/15/03
 DATE COMPLETED: 10/15/03

DEPTH	TP SAMPLE DEPTH	PID (ppm)	HCN (ppm)	SOIL DESCRIPTION	USCU SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
								SOLID TAR	TAR SATURATED	GRAIN COATING, ETC	STAINING
0		0.7	0	Brown F/C sand, trace silt, little gravel w/brick and concrete fragments, no odor	SP		No visual/physical evidence of impacts				
	1.1		0	Brown silt, no odor			No visual/physical evidence of impacts				
	3.7		0	Black F/C sand, little silt, some concrete and brick			Some slag and coal fragments				
	6.7		0	Black F/C sand, little silt, brick, ash, cinders, concrete			Weathered Moderate Petroleum-like odor and MGP-like odor				
5	23.4		0	Brown C/F gravel, little F/M sand			Strong weathered Petroleum-like odor and MGP-like odor				

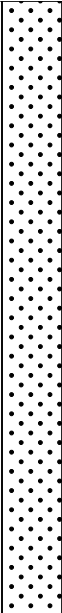
PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 EXCAVATION METHOD: Backhoe
 OPERATOR : Brookside Environmental Corp.
 ENVIRONMENTAL SCIENTIST: JMP

WEATHER: Sunny
 TOTAL DEPTH: 7'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/15/03
 DATE COMPLETED: 10/15/03

DEPTH	TP SAMPLE DEPTH	PID (ppm)	HCN (ppm)	SOIL DESCRIPTION	USCU SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
								SOLID TAR	TAR SATURATED	GRAIN COATING, ETC	STAINING
0		0 0	0 0	Asphalt Brown F/M sand, some silt	SP		Coke fragment pieces ~ 2-4" diameter, coal dust				
5	1.3		0	Yellowish brown sand silt, little clay							
			0	Brown F/C sand, M/C gravel							

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 EXCAVATION METHOD: Backhoe
 OPERATOR : Brookside Environmental
 ENVIRONMENTAL SCIENTIST: JMP

WEATHER: Sunny
 TOTAL DEPTH: 8'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/14/03
 DATE COMPLETED: 10/14/03

DEPTH	TP SAMPLE DEPTH	PID (ppm)	HCN (ppm)	SOIL DESCRIPTION	USCU SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
								SOLID TAR	TAR SATURATED	GRAIN COATING, ETC	STAINING
0		0	0	Topsoil, brown F/M sand, trace silt	SP						
		0	0	Brown F/M sand, little silt			Coal combustion material, slag				
		0	0	Yellowish brown F/C sand, little M gravel, little silt							
5		0	0	Black yellowish red silt							
		0	0	Brown M/C gravel, F/M sand							

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 EXCAVATION METHOD: Backhoe
 OPERATOR : Brookside Environmental Corp.
 ENVIRONMENTAL SCIENTIST: JMP

WEATHER: Sunny
 TOTAL DEPTH: 6'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/15/03
 DATE COMPLETED: 10/15/03

DEPTH	TP SAMPLE DEPTH	PID (ppm)	HCN (ppm)	SOIL DESCRIPTION	USCU SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
								SOLID TAR	TAR SATURATED	GRAIN COATING, ETC	STAINING
0		0	0	Asphalt	SP		Pieces of coal 6" diameter, Slight MGP-like odor				
	0.9	0	0	F/M sand, little silt, little M/C gravel, soil black w/railroad ties							
	0.3	0	0	Yellowish red brown sandy silt, little M gravel	SM						
	0	0	0	Black sandy silt w/little gravel							
5		0	0	Yellowish brown sandy silt, little M gravel							

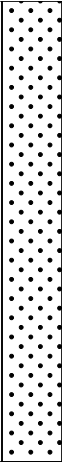
PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 EXCAVATION METHOD: Backhoe
 OPERATOR : Brookside Environmental Corp.
 ENVIRONMENTAL SCIENTIST: JMP

WEATHER: Sunny
 TOTAL DEPTH: 7'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/15/03
 DATE COMPLETED: 10/15/03

DEPTH	TP SAMPLE DEPTH	PID (ppm)	HCN (ppm)	SOIL DESCRIPTION	USCU SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS					
								SOLID TAR	TAR SATURATED	GRAIN COATING, ETC	STAINING		
0			0	Asphalt, concrete, pipes	sp								
			0	Black F/M sand, some silt, little F/M gravel, brick fragments			Tar fragments encountered as part of fill material						
				F/M sand, little silt, little M/C gravel			Black Staining, Moderate to Strong Tar-like odor, solid fragments of tar ranging in size from 1" to 1' Coated, Moderate Tar-like odor						
5		17.5 57.2	0	Brown M/C gravel, little F/C sand									

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Zebra Environmental Corp.
 EXCAVATION METHOD: Backhoe
 OPERATOR : Brookside Environmental Corp.
 ENVIRONMENTAL SCIENTIST: JMP

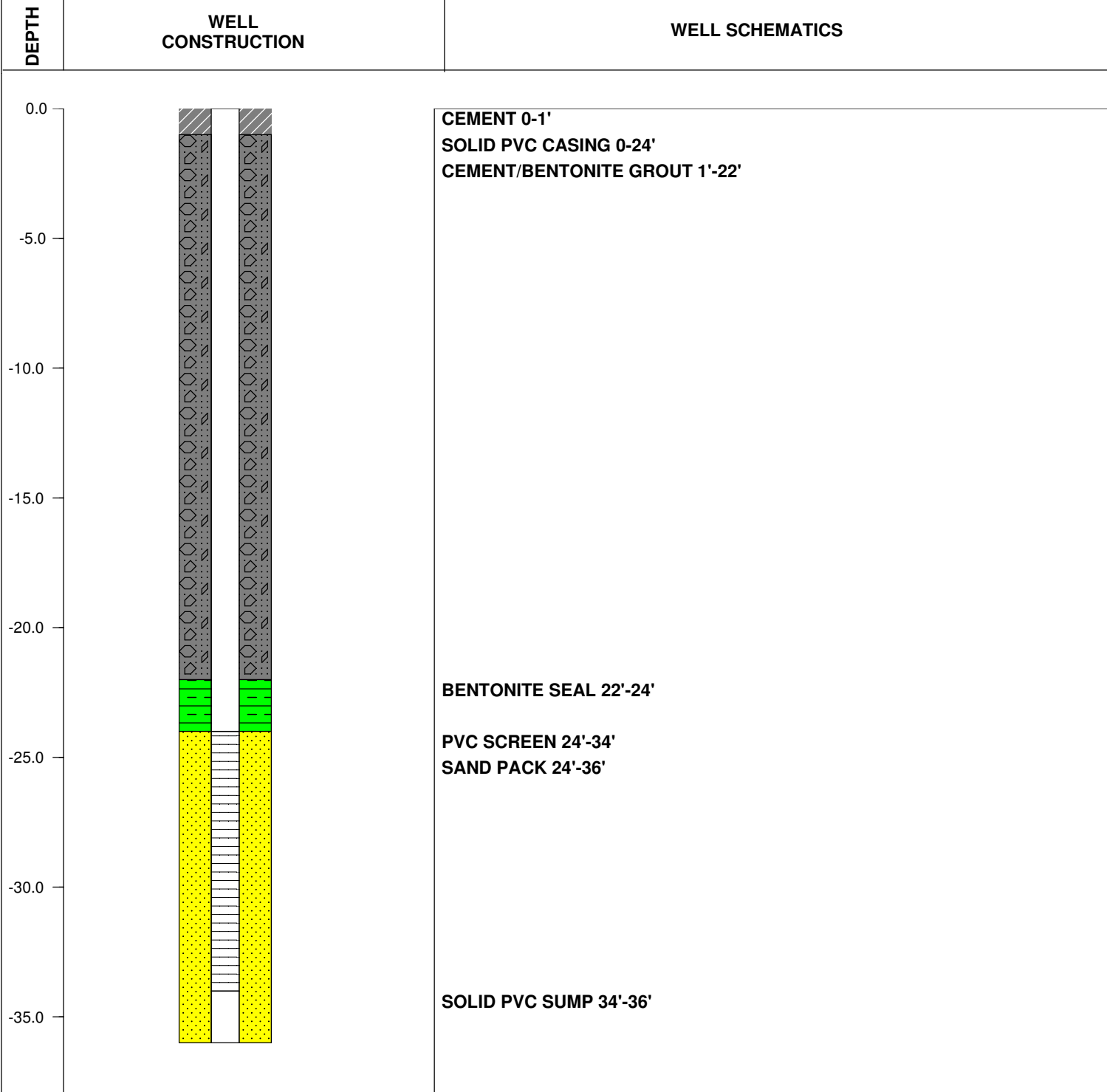
WEATHER: Sunny
 TOTAL DEPTH: 5'
 GROUND SURFACE ELEVATION: 00'
 DATE BEGUN: 10/16/03
 DATE COMPLETED: 10/16/03

DEPTH	TP SAMPLE DEPTH	PID (ppm)	HCN (ppm)	SOIL DESCRIPTION	USCU SYMBOL	LITHOLOGY	ENVIRONMENTAL DESCRIPTION	VISUAL DESCRIPTIONS			
								SOLID TAR	TAR SATURATED	GRAIN COATING, ETC	STAINING
0				Dark brown F/C sand, F/M gravel	SP						
5	1.5	1.5	0.5	Brownish yellow F/C sand, F/M gravel			12" zone of black dark grey/green wood material				

PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Delta Well & Pump Co., Inc.
 DRILLING METHOD: Failing F10
 DRILLER/HELPER : Conrad/Jason
 ENVIRONMENTAL SCIENTIST: JRT

WEATHER : Sunny
 TOTAL DEPTH: 36'
 GROUND SURFACE ELEVATION: 67.81'
 DATE BEGUN: 9/8/03
 DATE COMPLETED: 9/8/03

PVC CASING (DIA.) - 2"	MATERIAL 1 - Schedule 40 PVC	LENGTH 1 - 26'
SCREEN (DIA.) - 2"	MATERIAL 2 - Schedule 40 20 Slot PVC	LENGTH 2 - 10'
PROT CSG (DIA.) - 8"	MATERIAL 3 - Steel Casing w/Concrete Pad	LENGTH 3 - 2' x 2'



PROJECT NUMBER: 2522.013.024
 PROJECT NAME: Hempstead Intersection Street Former MGP Site
 LOCATION: Hempstead, Long Island, NY
 DRILLING CO: Delta Well & Pump Co., Inc.
 DRILLING METHOD: Drill Rig
 DRILLER/HELPER : Conrad/Jason
 ENVIRONMENTAL SCIENTIST: JRT

WEATHER : Sunny
 TOTAL DEPTH: 42'
 GROUND SURFACE ELEVATION: 69.94'
 DATE BEGUN: 11/11/03
 DATE COMPLETED: 11/11/03

PVC CASING (DIA.) - 2"	MATERIAL 1 - Schedule 40 PVC	LENGTH 1 - 57'
SCREEN (DIA.) - 2"	MATERIAL 2 - Schedule 40 20 Slot PVC	LENGTH 2 - 15'
PROT CSG (DIA.) - 8"	MATERIAL 3 - Steel Casing w/Concrete Pad	LENGTH 3 - 2' x 2'

