HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00066

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 3
Start: August 31, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		CH	NOTE: 8 in. concrete above start of boring at 0 ft. Stiff, brown to dark brown CLAY with SILT, moist, no odor, no stain.						100				
1		001	0.7 - 1.0														
2					2.0	CH	Color grades to gray.										
	+350				2.5	CH	Color changes to black, strong hydrocarbon odor.										
3																	
4		004	3.7 - 4.0														
		005	4.0 - 4.3														
5					5.5	CH	Color grades back to dark brown.										
6		006	6.0 - 6.3														
					6.5	CH	Color grades to dark gray brown.										
7					7.0	MH	Grades into SILT. Dark gray to black SILT, hydrocarbon odor.										
8		008	7.7 - 8.0														
	89.2				8.5	SM	Soft, dark gray to black, silty fine SAND, strong hydrocarbon odor, moist to wet.										
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00066

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil Identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00066
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.4			SM											
11					11.0	SM	Saturated zone.										
	+500					SM	Very black, saturated to 14 ft.										
12																	
13																	
14					14.0	SP	Loose, dary gray, poorly graded, fine to medium SAND, moist to wet, strong odor, black staining.										
15		015	14.7 - 15.0		15.0		BOE at 15 ft. **Redrilled on 9/2/2005.										
16																	
17																	
18						SM	Medium dense, gray-brown, silty fine SAND, moist, no odor, no stain.					70	30				
19																	
20		020	19.7 - 20.0														
21																	
22							1 in. diameter CLAY lens.										
23																	
24							Coarsening downward.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00066
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25		025	25.0 - 25.3			SM											
26	260				26.0	SP	Loose, gray-brown, poorly graded fine SAND, moist, no odor, no stain.					90	10				
27																	
28					28.0		BOE at 28 ft. bgs.										

For Environmental Use Only

PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/ 06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB3 USCSLIB3.GLB USCSTBC3.GDT G:\32486\GINT\32486_LOGS.GPJ Sep 21, 05

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00067

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 31, 2005
Finish: August 31, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SM	Brown, silty fine SAND, moist, no odor, no stain.					60	40				
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2					2.0	ML	Dark brown SILT, moist, no odor, no stain.					20	80				
3					3.0	SM	Brown to light brown, silty fine SAND, no odor, no stain.					60	40				
4																	
5					5.0		BOE at 5 ft.										

NOTE: Borehole filled with bentonite chips upon completion.

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification
- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (lin. ft.)
- Rock Cored (lin. ft.)
- Samples

Boring No. DP00067

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00068

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	1.5	000.01	0.0 - 0.3	NO WELL INSTALLED		ML	Stiff, dark brown, SILT with trace fine SAND, no odor, no stain, dry, no structure.					10	90				
		001.01	0.7 - 1.0														
1		002.01	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00068

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00069

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	0.7	000.01	0.0 - 0.3	NO WELL INSTALLED		SM-ML	Medium dense/stiff, dark brown, silty fine SAND to fine sandy SILT, dry to moist, no odor, no stain.					50	50				
		001.01	0.7 - 1.0														
1		002.01	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples
Boring No. DP00069

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00070

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		SM	Loose, dark brown, silty fine SAND, dry, no odor, no stain.					70	30				
1	1.0	001.01	0.7 - 1.0														
		002.01	1.2 - 1.5														
2																	
3																	
4					4.0		BOE at 4 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00070**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00071

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		SM-ML	Soft/loose, dark brown to brown, silty fine SAND to fine sandy SILT, dry to moist, no odor, no stain, no structure.					50	50				
		001.02	0.3 - 0.7														
		001.01	0.7 - 1.0														
1	ND																
		002.01	1.2 - 1.5														
2																	
3																	
4																	
5																	
6		006.01	5.7 - 6.0		6.0		BOE at 6 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00071**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00072

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		SM	Loose to medium dense, brown, silty fine SAND, no odor, no stain, no structure.					70	30				
		000.02	0.3 - 0.7														
		001.01	0.7 - 1.0														
1	0.8																
2																	
3																	
4		004.01	4.0 - 4.5														
5																	
6		006.01	6.0 - 6.5														
7																	
		008.01	7.5 - 8.0														
8					8.0		BOE at 8 ft. bgs.										

NOTE:
Borehole filled with bentonite chips upon completion.

For Environmental Use Only

PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples
Boring No. DP00072

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB3 USCSLIB3.GLB USCSTBC3.GDT G:\32486\GINT\32486_LOGS.GPJ Sep 21, 05

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00073

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		SM-ML	Medium stiff, dark brown to brown, silty fine SAND to fine sandy SILT, dry, no odor, no stain.					50	50				
1	0.6	001.01	0.7 - 1.0														
		002.01	1.2 - 1.5														
2																	
3																	
4							Coarsens downward to (SM) silty fine sand.					60	40				
5																	
		006.01	5.5 - 6.0														
6					6.0		BOE at 6 ft. bgs.										

NOTE:
Borehole filled with bentonite chips upon completion.

For Environmental Use Only

PROFESSIONAL GEOLOGIST
JEFFRY D. BEARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification
- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (lin. ft.)
- Rock Cored (lin. ft.)
- Samples

Boring No. DP00073

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCS_TB3 USCSLIB3.GLB USCSTBC3.GDT G:\32486\GINT\32486_LOGS.GPJ Sep 21, 05

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00075

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		ML	Dark brown, SILT, moist, no odor, no stain.						100				
		001.02	0.3 - 0.7														
		001.01	0.7 - 1.0														
1	0.3																
		002.01	1.2 - 1.5														
2					2.0	SM	Coarsens downward to loose silty fine SAND with trace GRAVEL, dry, no odor, no stain.		5			65	30				
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00075**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00076

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	1.1	000.01	0.0 - 0.3	NO WELL INSTALLED		ML	Dark brown, SILT, moist, no odor, no stain, no structure										
1		001.01	0.7 - 1.0														
		002.01	1.2 - 1.5														
2					2.0	SM	Coarsens downward to soft/loose, brown, silty fine SAND with trace GRAVEL, dry, no odor, no stain.			5		65	30				
3																	
4					4.0		BOE at 4 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY D. KEARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00076**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00077

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		ML	Soft to medium stiff, dark brown, SILT with trace fine SAND, no odor, no stain, dry to moist.					10	90				
		000.02	0.3 - 0.7														
		001	0.7 - 1.0														
1	1.3																
		002	1.2 - 1.5														
2																	
					2.5	SM	Soft, brown, silty fine to coarse SAND, dry, no odor, no stain, no structure.			10	20	30	40				
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples
Boring No. DP00077

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00078

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	0.8	000	0.0 - 0.3	NO WELL INSTALLED		ML	Medium stiff to soft, dark brown to brown, SILT with trace SAND, moist to dry, no odor, no structure.					10	90				
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3					3.0	SM	Loose to medium dense, brown, silty fine SAND, dry, no odor, no structure.					70	30				
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification
- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (lin. ft.)
- Rock Cored (lin. ft.)
- Samples

Boring No. DP00078

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00079

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 9, 2005
Finish: September 9, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0			0.0 - 0.4	NO WELL INSTALLED		SM	Medium dense, dark brown, silty fine SAND, moist, no odor, no stain.										
1			0.7 - 1.0														
			~~1.3 - 1.5~~														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00079

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00080

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 31, 2005
Finish: August 31, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	+300	000	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft.					60	40				
		001.02	0.3 - 0.7				Soft, brown to dark brown, silty fine SAND, moist to dry, no odor, no stain.										
		001.01	0.7 - 1.0														
1		002	1.2 - 1.5														
2					2.0	ML	Medium stiff, dark brown to brown, SILT, moist, no odor, no stain.						100				
3																	
4					4.0	SM	Grades into brown, silty fine SAND, no odor, no stain.					40	60				
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00080**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00081

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 31, 2005
Finish: August 31, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft.										
		000.02	0.3 - 0.7				Soft, brown to light brown, silty fine SAND, moist, no odor, no stain.										
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
					1.5	ML	Dark brown to brown, stiff SILT, moist, no odor, no stain.										
2																	
3																	
4					4.0	SM	Brown, silty fine SAND, dry to moist, no odor, no stain.										
5					5.0		BOE at 5 ft. bgs.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00081**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP00082

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 31, 2005
Finish: August 31, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000.01	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft.					60	40				
		000.02	0.3 - 0.7				Soft, dark brown to brown, silty fine SAND, moist, no odor, no stain.										
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2					2.0	ML	Stiff, dark brown, SILT, moist, no odor, no stain.						100				
3																	
4						ML	20 percent fine sand composition.										
5					5.0		BOE at 5 ft. bgs.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00082

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00083

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SM-ML	Medium stiff, dark brown, sandy SILT to silty fine SAND, no odor, moist, no stain.					50	50				
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3																	
4					4.0		BOE at 4 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

Per Environmental Map Copy

PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00083**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP86

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 2, 2005
Finish: September 2, 2005
Driller: F. Vasquez
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SP-GP	Yellow stained, poorly graded fine to coarse SAND with fine to coarse GRAVEL, dry, no odor. Color change to dark brown at 0.5 ft.										
		001	0.7 - 1.0														
1		002	1.2 - 1.5		1.0	ML	Stiff, dark brown, SILT, no odor, moist, no stain.						100				
2																	
3																	
4																	
5					5.0		BOE at 5 ft.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification: O Open End Rod; T Thin Wall Tube; U Undisturbed Sample; S Split Spoon; G Geoprobe

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary: Overburden (lin. ft.); Rock Cored (lin. ft.); Samples

Boring No. DP86

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00088

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 31, 2005
Finish: August 31, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SM	Dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
		001	0.7 - 1.0														
1					1.0	SP	Concrete layer? Very cemented, fine to coarse SAND.										
		002	1.2 - 1.5		1.3	ML	Dark brown, SILT, moist, medium stiff, no odor, no stain.					20	50				
2																	
3																	
4					4.0	SM	Brown, medium stiff, silty fine SAND, no odor, no stain.					70	30				
5					5.0		BOE at 5 ft. bgs.										

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PROFESSIONAL GEOLOGIST
JEFFRY [illegible] DON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00088**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00089

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		ML	Medium stiff, dark brown, fine sandy SILT, moist, no odor, no stain.					20	80				
		000.02	0.3 - 0.7														
		001.01	0.7 - 1.0														
1	0.3																
		002.01	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY D. KEARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification
- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (lin. ft.)
- Rock Cored (lin. ft.)
- Samples

Boring No. DP00089

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00090

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		ML	Stiff, dark brown, fine sandy SILT, moist, no odor, no stain.					20	80				
		001.01	0.7 - 1.0														
1	0.7	002.01	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples
Boring No. DP00090

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. DP00091

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		SM-ML	Stiff/dense, dark brown, silty fine SAND to fine sandy SILT, no odor, moist, no structure, no stain.					50	50				
1	0.8	001.01	0.7 - 1.0														
		002.02	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY D. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00091

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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TEST BORING REPORT

Boring No. DP00093

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
				Drill Mud:
Hammer Weight (lb.)		Push	-	Casing: MacroCore
Hammer Fall (in.)			-	Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED	0.1	SP	1 in. layer -- fine to coarse SAND with gravel						100				
						ML	Medium stiff to stiff, dark brown SILT, moist, no odor, no stain.										
		001	0.7 - 1.0														
1																	
		002	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs										

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PROFESSIONAL GEOLOGIST
JEFFRY D. INGLAND
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00093**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00094

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		ML	Medium stiff, dark brown, sandy SILT with gravel, moist, no odor, no stain.		10			20	70				
		000.02	0.3 - 0.7														
		000.01	0.7 - 1.0														
1																	
		002	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 ft. bgs										

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PROFESSIONAL GEOLOGIST
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00094**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00095

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	+150	000	0.0 - 0.3	NO WELL INSTALLED		ML	Dark brown, sandy SILT, moist, no odor, no stain.					20	80				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2		003	2.5 - 2.8				Yellow-brown staining. Took extra sample.										
3					3.0	SM	Coarsening downward. Contact of yellow staining above dark gray-brown, fine to medium silty SAND.				20	50	30				
4							Color change to dark brown with a few rust stained gravel										
5					5.0		BOE at 5 ft. bgs										

PROFESSIONAL GEOLOGIST
JEFFRY D. BRANDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	Well Diagram	Summary
O Open End Rod	Riser Pipe	Overburden (lin. ft.)
T Thin Wall Tube	Screen	Rock Cored (lin. ft.)
U Undisturbed Sample	Filter Sand	Samples
S Split Spoon	Cuttings	**Boring No. DP00095**
G Geoprobe	Grout	
	Concrete	
	Bentonite Seal	

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00096

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 3
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SP	Medium dense, light brown to tan, poorly graded fine to coarse SAND with some gravel, moist, no odor, no stain.		20	30	25	20	5				
1																	
2																	
3																	
4																	
5		005	5.0 - 5.3		5.0	SP	Same with 10 percent pebbles.	10	20	20	15	10					
6																	
7																	
8																	
9																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00096

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00096
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10	ND	010	10.0 - 10.3		10.0	SP	Soil - gas installed to 10 ft. bgs due to groundwater.										
11					11.0	SP	3 in. section with dark olive-green stain throughout in place SAND.										
12					12.0	SP	Medium dense, light brown to tan, poorly graded fine to coarse SAND with gravel, wet to moist, no odor, no stain. Saturated at 17.5 ft.	20	20	30	20	10					
13																	
14																	
15		015	15.0 - 15.3														
16																	
17																	
18																	
					18.5	SM-ML	Dark gray-brown to black, silty fine SAND to sandy SILT, moist, organic odor, no stain.					50	50				
19																	
20		020	20.0 - 20.3														
	ND				20.5	SM-ML	Black staining, no odor.										
21					21.0	SP	Loose, light brown to tan, poorly graded fine to coarse SAND.										
					21.5	SM	Red-brown, silty fine to medium SAND, moist, no odor.										
22					22.0	SM	Gray-brown to light brown, laminated, silty fine SAND, moist, no odor.										
23																	
					23.5	SM	Color change to dark brown.										
24		025.0	224.3 - 24.7														

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00096
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25		025.0	124.7 - 25.0		25.0		Assumed BOE at 25 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00097

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 3
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
				Drill Mud:
Hammer Weight (lb.)		Push	-	Casing: MacroCore
Hammer Fall (in.)			-	Hoist/Hammer: Hydraulic

Elevation
Datum
Location
N -
E -

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SP	Light brown, poorly graded, fine to coarse SAND with gravel, dry, no odor, no stain.		25	30	20	20	5				
1	ND				1.0	SM	Dark brown, silty fine SAND, trace gravel, moist, no odor, no stain.		10			70	20				
2																	
3																	
4	ND				4.0	SM	No gravel.										
5		005	5.0 - 5.3														
6																	
7																	
8																	
9																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	Well Diagram	Summary
O Open End Rod	Riser Pipe	Overburden (lin. ft.)
T Thin Wall Tube	Screen	Rock Cored (lin. ft.)
U Undisturbed Sample	Filter Sand	Samples
S Split Spoon	Cuttings	**Boring No. DP00097**
G Geoprobe	Grout	
	Concrete	
	Bentonite Seal	

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00097
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3		10.0	SM	Trace gravel.										
11																	
12					12.0	SP	Loose, poorly graded fine to medium SAND, dry to moist, no odor. Possible sluff.				20	80					
13																	
	ND				13.5	SM	Dark brown, medium stiff, silty fine SAND, moist, no odor, no stain.					60	40				
14																	
15		015	15.0 - 15.3														
16																	
17																	
18																	
19					19.0	SM-ML	Medium stiff, dark brown, silty fine SAND to sandy SILT, moist, no odor.					50	50				
20		020	19.7 - 20.0														
21																	
22					21.5	SM	Silty fine SAND.										
23					23.0	ML	Gray-brown to brown, SILT, laminated, moist, no odor.										
					23.5	SM	Dark brown, silty fine SAND, moist to wet.										
24					24.0	SM	Dark brown to gray-brown, medium stiff, silty fine SAND, moist to wet, no odor.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00097
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25		025	24.7 - 25.0		25.0		BOE at 25 ft.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY D. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00098

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SM-ML	Soft to medium stiff, dark brown to brown, silty fine SAND to fine sandy SILT, moist, orgainc odor.					50	50				
1		001	0.7 - 1.0														
2																	
3																	
4		002	3.7 - 4.0														
5					5.0		BOE at 5 ft. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00098**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00100

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM-ML	Medium dense, dark brown, silty fine SAND to sandy SILT, moist, no odor.					50	50				
1																	
2																	
3																	
4																	
5		005	5.0 - 5.3														
6																	
7					7.0	SM	More fine SAND than SILT.					65	35				
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00100

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00100
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3		10.0	ML	Dark brown and mottled light brown, fine sandy SILT, moist, dense, laminated, no odor, no stain.					30	70				
11																	
12																	
13					13.0	SM	Grades to silty fine SAND.										
14																	
15		015	15.0 - 15.3														
					15.5	SP	Loose, light brown to tan, fine to medium SAND, moist, no odor, no stain.				20	70	10				
16					16.0		BOE at 16 ft. bgs.										

NOTE: Borehole filled with bentonite chips upon completion.

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00101

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM	Medium dense, dark brown, silty fine SAND, moist, no odor, no stain.					55	45				
		001	0.7 - 1.0														
1																	
2																	
3																	
4																	
5		005	5.0 - 5.3														
6																	
7																	
8																	
9					9.0	ML	Grades to sandy fine SILT.										
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00101

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00101
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3			ML											
11																	
12																	
13																	
14																	
15		015	14.7 - 15.0		15.0		BOE at 15 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. READON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00102

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM	Dark brown, silty fine to coarse SAND (includes concrete debris), dry to moist, no odor, no stain.			15	10	25	50				
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3					3.0	SM	Dark brown to black color, rich organic odor.										
4																	
		005	4.5 - 4.9														
5																	
6																	
7																	
8					8.0	SM-ML	Fining downward.					50	50				
9																	
10		010	9.7 - 10.0														

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00102

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00102
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10					10.0		BOE at 10 ft. bgs.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00103

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM	Medium dense, dark brown, silty fine SAND, no odor, no stain, moist.					60	40				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4																	
5		005	5.0 - 5.3														
6																	
7																	
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00103

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00103
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3			SM											
11																	
12																	
13																	
14																	
15		015	15.0 - 15.3														
16					16.0		BOE at 16 ft. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP00104

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.3	NO WELL INSTALLED		SM	Medium dense, dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
		000.02	0.3 - 0.7														
		001	0.7 - 1.0														
1																	
		002	1.2 - 1.5														
2																	
3																	
4																	
5		005	5.0 - 5.5														
6																	
7																	
8																	
9																	
10		010	9.7 - 10.0														

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

- O Open End Rod
- T Thin Wall Tube
- U *Undisturbed Sample*
- S Split Spoon
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00104

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00104
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10						SM											
11																	
12																	
13																	
					13.5	SP	Coarsening downward to light brown to gray, poorly graded fine SAND, moist, no odor, no stain.					85	15				
14																	
15		015	15.0	- 15.3													
16					16.0		BOE at 16 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00105

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SP	Loose, light brown, poorly graded fine to coarse SAND with gravel, moist, no odor, no stain.		15	15	30	30	10				
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3																	
4																	
5		005	5.0 - 5.3		5.0	SP	Gray to light brown color.										
6																	
7																	
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00105

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00105
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3			SP											
11																	
12																	
13																	
14					14.0	SM	Light brown, soft, silty fine SAND, moist, no odor, no stain.					75	25				
15		015	15.0 - 15.3														
16					16.0		BOE at 16 ft. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00106

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SP	Gray to brown, poorly graded fine to coarse SAND with gravel, dry, no odor.	20	10	20	20	20	10				
		001	0.7 - 1.0														
1		002	1.2 - 1.5		1.0	SM	Dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
2																	
3																	
4																	
5		005	5.0 - 5.3														
6					6.0		BOE at 6 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

PROFESSIONAL GEOLOGIST
JEFF. CERTIFIED ENGINEERING GEOLOGIST No. 1124 Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00106

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00107

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Toughness	Plasticity	Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM	Soft to medium stiff, dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4					4.0	SM-ML	Fining downward, black mottling, rich organic odor.					50	50				
5		005	4.7 - 5.0		5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00107**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Toughness: L-Low, M-Medium, H-High Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00108

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
				Drill Mud:
Hammer Weight (lb.)		Push	-	Casing: MacroCore
Hammer Fall (in.)			-	Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000.01	0.0 - 0.3	NO WELL INSTALLED		SM	Medium stiff, dark brown, silty fine SAND with lenses of black sandy SILT, moist, no odor.					60	40				
		000.02	0.3 - 0.7														
		001	0.7 - 1.0														
1																	
		002	1.2 - 1.5														
2																	
3																	
4																	
5		005	4.7 - 5.0		5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00108**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP00109

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM	Soft to medium stiff, dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
		001	0.7 - 1.0														
1																	
2																	
3																	
4		004	3.7 - 4.0														
5					5.0		BOE at 5 ft. **Redrilled 8-12 ft.										
6																	
7																	
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00109

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00109
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3			ML	Medium stiff, dark brown, fine sandy SILT, no odor, moist.					20	80				
11																	
12					12.0		BOE at 12 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFRY D. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00110

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SM	Soft to medium stiff, dark brown, silty fine SAND, moist, no odor, no stain.										
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3					3.0	SP	0.5 in. layer of poorly graded, fine to medium SAND.										
					3.5	SM	Soft to medium stiff, dark brown, silty fine SAND, moist, no odor, no stain.										
4		004	3.7 - 4.0														
5																	
6																	
7																	
8					8.0	ML	Dark brown, fine sandy SILT, moist, no odor, no stain.					20	80				
9																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00110**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00110
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3			ML											
11																	
12					12.0		BOE at 12 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00111

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 1
Start: September 1, 2005
Finish: September 1, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SM	Soft to medium stiff, dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
1		001	0.7 - 1.0														
2																	
3																	
4		004	3.7 - 4.0														
5					5.0		BOE at 5 ft. NOTE: Borehole filled with bentonite chips upon completion.										

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CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00111**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP00112

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.5	NO WELL INSTALLED		SP	Loose, brown to dark brown, poorly graded fine SAND, moist to dry, no odor, no stain.					90	10				
1																	
2																	
3																	
4					4.0	SM	Medium dense, brown, silty fine SAND, no odor, moist, no structure, no stain.					60	40				
					4.5	ML	Stiff, dark brown SILT, moist, no odor, no structure, no stain.						100				
5		005.01	5.0 - 5.5														
					5.8	SM	Medium dense, brown, silty fine SAND, moist, no odor, no stain.					60	40				
6																	
7																	
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00112

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00112
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010.0	110.0 - 10.5			SM SM	Slight black staining, no odor.					60	40				
11																	
12																	
13																	
14					14.0	SP	Medium dense, dark brown, poorly graded, fine SAND, no odor, no stain, moist.										
15		015.0	115.0 - 15.5														
16																	
17					17.0	ML	Medium stiff, gray-brown, SILT with fine SAND, no odor, no stain.										
18					18.0	SP	Loose, tan, poorly graded fine to medium SAND, no odor, no stain, wet.										
					18.5	SM	Medium dense, dark brown, silty fine SAND, no odor, no stain.										
19																	
		020.0	119.5 - 20.0														
20	0.7																
21																	
22																	
					22.5	SP	Loose, light brown to tan, fine to coarse SAND, no odor, no stain.										
23																	
					23.8	ML	Gray-brown, silt, laminated, no odor.										
24					24.0		BOE at 24 ft. bgs.										
							NOTE: Borehole filled with bentonite chips upon completion.										

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.

PROFESSIONAL GEOLOGIST JEFFRY B. REARDON CERTIFIED ENGINEERING GEOLOGIST No. 1124 Exp. 11/30/06 STATE OF CALIFORNIA

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HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP00113

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 7, 2005
Finish: September 7, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000.01	0.0 - 0.5	NO WELL INSTALLED		SP	Gray-brown to red-brown, loose, poorly graded, fine to medium SAND, moist, no odor, no stain.				30	70					
1																	
2																	
3																	
4							Coarsens to fine to coarse SAND with trace of fine GRAVEL.		10	30	40	20					
5		005.01	5.0 - 5.5														
	0.4																
6																	
7							Color grades from red-brown to light brown to tan. Fining downward to fine to medium grained SAND.				20	80					
8																	
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00113

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00113
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10	0.3	010.0	110.0 - 10.5			SP											
11																	
12																	
13																	
14					14.0	SP	Loose, red-brown, fine to coarse SAND, no odor, no stain.			40	40	20					
					14.5	SM	Dense, dark brown, silty fine SAND, no odor, moist, no stain					70	30				
15		015.0	115.0 - 15.5														
16																	
					16.5	SP	Loose, light brown, poorly graded, fine to coarse SAND, no odor, moist, no stain.										
17					17.0	ML	Medium stiff, dark brown, fine silty SAND, wet, no odor, no stain.					20	80				
18					18.0	SP	Loose, gray-brown, poorly graded, fine to coarse SAND, wet, no odor, no stain.			40	30	30					
19					19.0	ML	Medium stiff, dark brown, fine silty SAND, no odor, wet, no stain.					20	80				
		020.0	119.5 - 20.0														
20					20.0	SP	Loose, dark gray-brown, poorly graded, fine SAND, wet (saturated), no odor, no stain.					80	20				
21																	
22																	
23																	
24					24.0		BOE at 24 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. DP00113

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00114

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 3
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SP	Loose, brown, poorly graded fine to coarse SAND with pebbles up to 2 in. diameter, dry, no odor, no stain.										
1					1.5	SM-ML	Medium stiff, dark brown to black, silty fine SAND to fine sandy SILT, moist, no odor, no stain.										
2																	
3																	
4																	
5		005	5.0 - 5.3														
6																	
7																	
8																	
9																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples
Boring No. DP00114

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None; Toughness: L-Low, M-Medium, H-High; Plasticity: N-Nonplastic, L-Low, M-Medium, H-High; Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00114
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3		10.0	SM	Coarsens downward to silty fine SAND.					70	30				
11																	
12																	
13																	
14	ND						Color resumes dark gray.										
					14.5	SP	Loose, black, poorly graded fine to medium SAND, strong hydrocarbon odor, black stain, moist to wet.										
15		015.01	15.0 - 15.5														
		015.02	15.5 - 16.0														
16																	
17																	
18																	
19					19.0	SP	End of black staining.										
					19.5	SM	Medium stiff, brown to gray-brown, silty fine SAND, moist to wet, hydrocarbon odor, no stain.					70	30				
20		020	19.7 - 20.0														
21																	
22																	
23																	
24					24.0	SP	Loose to medium dense, brown, poorly graded fine to medium SAND, moist, no odor, no stain.				30	60	10				

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00114
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25		025	25.0 - 25.3			SP											
26																	
					26.5	SP	SAND is gray to dark gray with organic odor.										
27																	
					27.5	SP	SAND is brown.										
28					28.0		BOE at 28 ft. bgs										

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JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00115

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SP	Brown, fine to coarse SAND with pebbles 2 in. diameter, dry, no odor.										
					0.5	SM	Dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
1																	
2					2.0	ML	Stiff, dark brown to black SILT with SAND, moist, no odor, no stain.					10	90				
3																	
4					4.5	SM	Medium stiff, dark brown, silty fine SAND, no odor, no stain, calcified, nodules.					60	40				
5		005	5.0 - 5.3														
6																	
7							Color change to light gray-brown.										
8																	
9																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00115

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00115
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3			SM	No stain, no odor.										
11					11.0	SM	Coarsening downward.					80	20				
12																	
13																	
14																	
15					14.5	SM	Black discoloration. Same soil, strong hydrocarbon/organic odor.					60	40				
16		015	15.5 - 16.0														
17																	
18					18.0	SM	Dark gray to black, strong hydrocarbon/organic odor.										
19					18.5	SP	Dark gray-brown, grading to fine SAND.					70	30				
20		020	19.5 - 20.0		19.5	SP	Light brown to tan, loose, poorly graded fine to medium SAND, moist, no odor, no stain.				30	70					
21					21.0	SM	Grades to silty fine SAND					60	40				
22																	
23					23.0	SP	Coarsens to poorly graded fine SAND										
24		024	23.5 - 24.0		24.0		Boring at 24 ft. bgs.										

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JEFFREY D. GORDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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157, 189
191, 193, 217

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP00116

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 3
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 0.3	NO WELL INSTALLED		SM	Medium stiff, gray-brown, silty fine SAND, moist, slight odor.					60	40				
1																	
2							Black discolor begins, gets darker with depth, strong hydrocarbon odor.										
3																	
4							Mottled dark gray-brown and black throughout.										
5		005	5.0 - 5.3														
6							Coarsening downward.					75	25				
7							Black staining is very dark, very strong odor.										
8	+500																
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00116

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None
Toughness: L-Low, M-Medium, H-High
Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00116
File No. 32486
Sheet No. 2 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10		010	10.0 - 10.3			SM											
11																	
12																	
13																	
14																	
					14.5	SP	Loose, black, poorly graded fine to medium SAND, moist to wet, strong odor, very black staining.				40	50	10				
15		015	15.0 - 30.3														
16							Highly saturated with black oil, very strong odor.										
17																	
					17.5	SP	Dark gray-brown to brown, medium dense, poorly graded fine to medium SAND.										
18																	
19					19.0	SM	Medium stiff, gray-brown, silty fine SAND, moist, no odor, no stain.										
20		020	19.7 - 20.0														
21																	
22																	
23					23.0	SP	Medium dense, gray-brown, poorly graded fine to medium SAND, no odor, no stain.										
24																	

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00116
File No. 32486
Sheet No. 3 of 3

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
25		025	25.0 - 25.3			SP											
26																	
27																	
					27.5	SM-ML	Medium stiff, gray-brown, fine sandy SILT to silty fine SAND, moist, no odor, no stain, laminated.					50	50				
28					28.0		BOE at 28 ft. bgs										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00117

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		000	0.0 - 33.0	NO WELL INSTALLED		SM	Soft to medium stiff, black, silty fine SAND, moist to wet, strong odor.										
1																	
2																	
3																	
4							Color change to dark gray-brown.										
5	7.0	005	5.0 - 5.3			SM	Slight odor, no stain.										
6																	
7																	
8							Slight stain.										
9																	
10																	

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples

Boring No. DP00117

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00117
File No. 32486
Sheet No. 2 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
10	ND	010	10.0 - 10.3			SM SM	Same with gravel and pebbles up to 2 in. diameter.										
11					11.0	SP	Medium dense to loose, poorly graded, fine SAND, moist, no odor, no stain.										
12																	
13					13.0	SM	Medium stiff, gray-brown, silty fine SAND, no odor, no stain.										
14																	
15		015	15.0 - 15.3														
16																	
					16.5	SP	Loose, dark brown to gray-brown, poorly graded fine to medium SAND, saturated (16.5-18 ft.) then moist to wet, no odor, no stain.										
17																	
18																	
19																	
20		020	19.7 - 20.0														
					20.0		BOE at 20 ft. bgs										

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PROFESSIONAL GEOLOGIST
JEFFRY B. REARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/06
STATE OF CALIFORNIA

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00117
File No. 32486
Sheet No. 3 of 2

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
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*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. DP00117

HALEY & ALDRICH — TEST BORING REPORT

Boring No. DP00118

Project: Former Anaheim Battery Operations 1201 N. Magnolia
Client: Delphi Corporation
Contractor: Interphase

File No.: 32486 -
Sheet No.: 1 of 2
Start: September 2, 2005
Finish: September 2, 2005
Driller:
H&A Rep.: C. Canfield
Elevation
Datum
Location
N -
E -

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type		G		Rig Make & Model: GeoProbe
Inside Diameter (in.)		1 3/4		Bit Type: Cutting Head
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				Hoist/Hammer: Hydraulic

Depth (ft.)	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	125	000	0.0 - 0.5	NO WELL INSTALLED		SP	Loose, black stained, poorly graded, fine to medium SAND, strong hydrocarbon odor.				40	50	10				
1																	
2																	
3							Color grading to dark brown.										
4																	
5	1.7	005	5.0 - 5.3				Slight oil stain, hydrocarbon odor.										
6																	
					6.5	SM	Grades to dark brown, silty fine SAND, moist, slight odor, slight stain.					60	40				
7																	
8																	
9																	
10																	

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft.) to: Bottom of Casing	Bottom of Hole	Water

Sample Identification	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00118**

Field Tests: Dilatancy: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High
Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High

*SPT = Sampler blows per 6 in. **Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters).

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.