HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00009

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

File No.: 32486 -
Sheet No.: 1 of 2
Start: August 29, 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				NO WELL INSTALLED			NOTE: Samples collected on 8/29/2005										
1																	
2																	
3																	
4																	
5		005.01	5.0 - 5.5		5.0	SM	Dark brown, silty fine SAND, no odor, moist, slight black staining.					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. DP00009

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. DP00009
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											
11																	
12																	
13					13.0	SP	Medium dense, light brown, poorly graded, fine SAND, no odor, no stain, moist.					90	10				
14																	
15		015.0	115.0 - 15.5														
16					16.0		BOE at 16 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

*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. DP00015

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				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	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 6 in. concrete above start of boring at 0 ft. Brown, fine silty, SAND, dry to moist, no odor, no structure, no stain.					40	60				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3					3.0	ML	Dark brown, stiff, SILT with fine SAND, moist, no structure, no odor, no stain.					20	80				
4					3.5												
5							BOE at 5 ft. Borehole filled with bentonite chips upon completion.										

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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. DP00015

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. DP00017

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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
Hammer Weight (lb.)		Push	-	Drill Mud:
Hammer Fall (in.)			-	Casing: MacroCore
				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		SM	NOTE: 6 in. concrete above start of boring at 0 ft.					40	60				
	0.4						Dark brown, silty fine, SAND, moist, no odor, no stain, soft.										
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
					2.5	ML	Dark brown, SILT, moist, no odor, no stain, stiff.						100				
3																	
4					4.0		BOE at 4 ft.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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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. DP00017**
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.

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TEST BORING REPORT

Boring No. DP00018

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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							NOTE: 11 in. concrete above start of boring at 0 ft.										
		000	0.0 - 0.3				No description available for 0-1 ft.										
	205	001	0.7 - 1.0														
1					1.0	SM	Dark brown, silty fine, SAND, moist, no odor, no stain.					40	60				
		002	1.2 - 1.5														
2																	
				NO WELL INSTALLED	2.5		Refusal at 2.5 ft.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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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. DP00018

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. DP00019

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 11 in. concrete above start of boring at 0 ft.					40	60				
		000.02	0.3 - 0.7				Dark brown, silty fine, SAND, moist, no odor, no structure.										
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
					1.5		No recovery.										
2																	
3					3.0		Refusal at 3 ft. bgs.										
							Note: Borehole filled with bentonite chips upon completion.										

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GEOLOGIST
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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.	**DP00019**

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. DP00020

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	66	000	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 11 in. concrete above start of boring at 0 ft. Dark brown, silty fine, SAND, moist, no odor.					50	50				
1		001	0.7 - 1.0														
		002.01	1.2 - 1.5														
		002.02	1.5 - 1.8														
2																	
3																	
4					3.5	ML	Dark brown, SILT, moist, no odor, no stain.						100				
5					5.0		BOE at 5 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

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.	**DP00020**

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. DP00021

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 11 in. concrete above start of boring at 0 ft. Brown, poorly graded, fine to coarse, SAND with gravel, moist, no odor, no stain.		20	30	30	20					
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3					3.0		Refusal at 3 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

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. DP00021

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. DP00022

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 6 in. concrete above start of boring at 0 ft.					30	70				
		001.01	0.3 - 0.7				Dark brown, silty fine, SAND, moist, no odor, no stain.										
		001.02	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
					3.5	ML	Dark brown, SILT, moist, no odor, no stain.						100				
4					4.0		BOE at 4 ft.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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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. DP00022**
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.

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00023

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 6 in. concrete above start of boring at 0 ft. Dark brown, silty fine, SAND, moist, no odor, no structure, no stain.					40	60				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2					2.0	ML	Dark brown, SILT, moist, no odor.						100				
					2.3	SP	Light brown, poorly-graded, fine to coarse, SAND. Concrete debris.										
					2.5	ML	Dark brown, SILT, moist, no odor, no stain.						100				
3																	
4					4.0		BOE at 4 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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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. DP00023

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. DP00024

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 11 in concrete above start of boring at 0 ft.					50	50				
							Dark brown, silty fine, SAND, moist, no odor, no stain.										
1		001	0.7 - 1.0														
	0.5	002	1.2 - 1.5														
2																	
3																	
4																	
5					5.0	CL	Dark brown to black, stiff, CLAY, no odor, no stain.						100				
6																	
					6.3		Assumed BOE at 6.3 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		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary
Overburden (lin. ft.)
Rock Cored (lin. ft.)
Samples
Boring No. DP00024

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. DP00025

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 8 in. concrete above start of boring at 0 ft.					40	60				
	0.2						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	ML	Dark brown, stiff, SILT with fine SAND, no odor, no stain.					20	80				
4					4.0		BOE at 4 ft.										
							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.	**DP00025**

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. DP00026

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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.					40	60				
		000.02	0.3 - 0.7				Dark brown, silty fine, SAND, moist, no odor, no stain.										
		001	0.7 - 1.0														
1	1.3																
		002	1.2 - 1.5														
2																	
3																	
					3.5	ML	Dark brown, stiff, SILT, moist, no odor, no stain.						100				
4					4.0		BOE at 4 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.	**DP00026**

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. DP00027

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, soft, fine silty, SAND, moist, no odor, no stain.					30	70				
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3																	
					3.5	ML	Dark brown, medium stiff, SILT, moist, no odor, no stain.					10	90				
4					4.0		Assumed BOE at 4 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. DP00027

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. DP00028

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	0.1	000	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, silty fine to medium silty, SAND, moist, no odor, no stain.				10	40	50				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4					4.0	ML	Dark brown, stiff, SILT, no odor, moist, no stain.						100				
					4.5		Assumed BOE at 4.5 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. DP00028

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. DP00029

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	0.3	000	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, silty fine, SAND, soft, moist, no odor, no stain.					40	60				
1		001	0.7 - 1.0														
		002.01	1.2 - 1.5														
		002.02	1.5 - 1.8														
2					2.0	CL	Dark brown to black, stiff, CLAY, moist, no odor, no stain.						100				
3																	
4					4.0		BOE at 4 ft. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY B. READON
CERTIFIED ENGINEERING GEOLOGIST
No. 1121
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. DP00029

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. DP00030

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	3.0	000	0.0 - 0.3	NO WELL INSTALLED		SM-ML	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, silty fine SAND to SILT, moist, no odor, no stain.					30	70				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4					4.0		BOE at 4 ft. 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. DP00030

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. DP00031

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, silty fine SAND, moist, no odor, no stain.					30	70				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4					4.0	ML	Dark brown, stiff, SILT, moist, no odor, no stain.						100				
5																	
6					6.0		BOE at 6 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. DP00031

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. DP00032

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 8 in. concrete above start of boring at 0 ft.					40	60				
		001.02	0.3 - 0.7				Dark brown, silty fine SAND, moist, soft, no odor, no stain.										
		001.01	0.7 - 1.0														
1																	
		002	1.2 - 1.5														
2																	
3					3.0	ML	Dark brown, medium stiff, SILT, moist, no odor, no stain.					10	90				
4					4.0		BOE at 4 ft. bgs NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFREY 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. DP00032

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. DP00033

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 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	NOTE: 8 in. concrete above start of boring at 0 ft. Brown, silty fine SAND, soft to medium stiff, moist, no odor, no stain.										
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3																	
4					4.0	ML	Dark brown, stiff, SILT, moist, no odor, no stain.										
5																	
6		006	5.7 - 6.0		6.0		BOE at 6 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		Well Diagram	
O	Open End Rod		Riser Pipe
T	Thin Wall Tube		Screen
U	Undisturbed Sample		Filter Sand
S	Split Spoon		Cuttings
G	Geoprobe		Grout
			Concrete
			Bentonite Seal

Summary	
Overburden (lin. ft.)	
Rock Cored (lin. ft.)	
Samples	
Boring No.	**DP00033**

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. DP00034

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	1.4	000.01	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft.					40	60				
		000.02	0.3 - 0.7				Dark brown, soft, fine silty, SAND, moist, no odor, no stain.										
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4					4.0	ML	Dark brown, stiff, SILT, moist, no odor, no stain.					10	90				
5					5.0		BOE at 5 ft. bgs.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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JEFFREY 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. DP00034

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. DP00035

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

File No.: 32486 -
Sheet No.: 1 of 2
Start: August 30, 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	ND	000	0.0 - 0.3	NO WELL INSTALLED		SP	NOTE: 8 in. concrete above start of boring at 0 ft. Brown to red, poorly graded medium to fine SAND, moist to dry, no odor, no stain.				40	60					
1		001	0.7 - 1.0		1.0	SM	Dark brown, silty fine SAND, moist, no odor, no stain.					20	80				
		002	1.2 - 1.5														
2					2.0	ML	Dark brown, stiff, moist, no odor, no stain.						100				
3																	
4																	
5					5.0		BOE at 5 ft. NOTE: Borehole filled with bentonite chips upon completion. **9/9/2005 No sampling to 6 ft. bgs, no recovery.										
6					6.0	SM	Dense, brown to light brown, silty fine SAND, no odor, moist, no stain.					60	40				
		007.01	6.5 - 7.0														
7																	
8																	
9																	
		010.01	9.5 - 10.0														
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.	**DP00035**

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. DP00035
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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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. DP00036

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon

	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

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		SM	NOTE: 8 in. concrete above start of boring at 0 ft.		10			10	80				
							Dark brown, silty fine SAND, dry, no odor, trace gravel, grades to light brown. Sweet odor.										
		001	0.7 - 1.0														
1						SM	Grades to light tan.										
		002	1.2 - 1.5														
2						SM	Grades to dark brown.										
3						SM	Grades to red-brown.										
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. DP00036

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. DP00037

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

File No.: 32486 -
Sheet No.: 1 of 2
Start: August 30, 2005
Finish: September 9, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown grades to light red-brown silty fine SAND with some gravel, very dry, no odor, no stain. Upper 3 in.	20	10			20	50				
		001	0.7 - 1.0														
1		002	1.2 - 1.5		1.0	SM	Light tan.										
2					2.0	SM	Light red-brown to orange-brown.										
3																	
4																	
5		005.01	5.0 - 5.5		5.0	ML	BOE at 5 ft. bgs NOTE: Borehole filled with bentonite chips upon completion. **Redrilled on 9/9/2005. Loose, light orange-brown, SILT, very dry, powdery, lead-oxide stain, no odor.						100				
6																	
7																	
8																	
9		010.02	9.0 - 9.5				Color not darkening to brown.										
		010.01	9.5 - 10.0														
10																	

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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. DP00037

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. DP00037
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. Practical refusal -- limited assets.										
							NOTE: Borehole filled with bentonite chips upon completion.										

For Environmental Use Only

PROFESSIONAL GEOLOGIST
JEFFREY [illegible] 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. DP00037

HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00038

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	NOTE: 8 in. concrete above start of boring at 0 ft.	20	10			20	50				
							Light tan to light orange-brown, soft, silty fine SAND with some gravel, very dry, no odor, no stain. * Have not seen on-site before.										
1		001	0.7 - 1.0														
		002	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. DP00038

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. DP00039

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

File No.: 32486 -
Sheet No.: 1 of 2
Start: August 30, 2005
Finish: September 9, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, soft, silty fine SAND, moist, no odor, no stain.					30	70				
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2					2.5	ML	Dark brown, stiff, SILT, moist, no odor, no stain.					10	90				
3																	
4																	
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion. **Redrilled on 9/9/2005.										
6		006.01	6.0 - 6.5		6.0	SM-ML	Gray-brown, silty fine SAND to sandy fine SILT, moist, no odor, no stain.										
7																	
8																	
9																	
10		010.01	9.5 - 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.	**DP00039**

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. DP00039
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.										

For Environmental Use Only

PROFESSIONAL GEOLOGIST
JEFFRY D. RSARDON
CERTIFIED ENGINEERING GEOLOGIST
No. 1124
Exp. 11/30/09
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. DP00040

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, fine silty SAND, soft to medium stiff, moist, no odor, no stain.					30	70				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4																	
5					5.0		BOE at 5 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.	**DP00040**

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. DP00041

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown silty fine SAND, moist, no odor, no stain, soft.					30	70				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3					3.0	ML	Dark brown stiff, SILT, moist, no odor, no stain.						100				
4																	
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. DP00041

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. DP00042

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	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft. Soft, dark brown, silty fine SAND, moist, no odor, no stain.					70	30				
1		001	0.7 - 1.0														
		002.01	1.2 - 1.5														
		002.02	1.5 - 1.8														
2																	
3																	
4					3.5	ML	Medium stiff, dark brown to brown, SILT, moist, no odor.						100				
5					5.0		BOE at 5 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

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. DP00042

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. DP00043

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	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft. Soft, dark brown to brown, silty fine SAND, moist, no odor.					70	30				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4					4.0	ML	Dark brown to black, stiff SILT, moist, no odor.						100				
5					5.0		BOE at 5 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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PROFESSIONAL GEOLOGIST
JEFFRY G. 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.	**DP00043**

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. DP00044

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

File No.: 32486 -
Sheet No.: 1 of 1
Start: August 30, 2005
Finish: August 30, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	NOTE: 8 in. concrete above start of boring at 0 ft. Dark brown, silty fine SAND, moist, no odor, no stain.					40	60				
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
4					3.5	ML	Dark brown, stiff SILT, moist, no odor, no stain.										
5					5.0		BOE at 5 ft. NOTE: Borehole filled with bentonite chips upon completion.										

For Drilling Contractor 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.	**DP00044**

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. DP00045

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	Toughness	Plasticity	Strength
0	ND	000	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft.					60	40				
							Dark brown, soft, silty fine SAND, moist, no odor, micaceous.										
		001	0.7 - 1.0														
1																	
		002	1.2 - 1.5														
2																	
3																	
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.	**DP00045**

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. DP00046

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			SM	NOTE: 8 in. concrete above start of boring at 0 ft.					70	30				
		000.02	0.3 - 0.7				Soft, brown, silty fine SAND, moist, no odor, no stain.										
		001	0.7 - 1.0														
1	ND																
		002	1.2 - 1.5														
2																	
3					3.0	MH	Stiff, dark brown to black, SILT, moist, no odor, no stain.						100				
4				NO WELL INSTALLED													
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. DP00046

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. DP00047

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
				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	0.4	000	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft. Brown to dark 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	Medium stiff, dark brown, SILT, moist, no odor, no stain.						100				
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. DP00047

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. DP00048

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.					60	40				
		000.02	0.3 - 0.7				Soft, dark brown, silty fine SAND, moist, no odor, no stain.										
		001	0.7 - 1.0														
1	ND																
		002	1.2 - 1.5														
2					2.0	ML	Stiff, dark brown, SILT, moist, no odor, no stain.						100				
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. GARDON
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. DP00048

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. DP00049

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	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft. Soft, dark brown to brown, silty fine SAND, moist, no odor, no stain.					80	20				
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					3.0	ML	Color grades to light brown.										
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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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. DP00049

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. DP00050

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		SP	Dense, gray-brown, poorly graded, fine to coarse SAND, dry to moist, no odor, no stain.			30	30	40					
1	1.5	001.01	0.7 - 1.0														
		002.01	1.2 - 1.5														
2																	
3																	
4					4.0		Refusal at 4 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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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.	**DP00050**

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. DP00053

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		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.										

PROFESSIONAL GEOLOGIST
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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. DP00053

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. DP00055

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		SP	Loose, light red-brown, poorly graded, fine to coarse SAND, dry, no odor, no stain.			50	30	20					
					0.5	SM	Medium dense, dark brown, silty fine SAND, moist, no odor, no stain.										
1	1.7	001.01	0.7 - 1.0														
		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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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.	**DP00055**

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. DP00057

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
				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		MH	NOTE: 8 in. concrete above start of boring at 0 ft.						100				
							Stiff, dark brown to brown, SILT, moist, no odor.										
1		001	0.7 - 1.0														
		002	1.2 - 1.5														
2																	
3																	
4																	
		005.02	4.3 - 4.7														
5		005.01	4.7 - 5.0		5.0		BOE at 5 ft. bgs.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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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.	**DP00057**

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. DP00058

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.			20	20	40	20				
		000.02	0.3 - 0.7				Medium stiff, dark brown, silty fine to coarse SAND, moist, no odor.										
		001	0.7 - 1.0														
1		002	1.2 - 1.5														
2																	
3																	
					3.5	MH	*Stiff, dark brown, SILT, moist, no odor, no stain, laminations.*						100				
4																	
5		005	4.7 - 5.0		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.	**DP00058**

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. DP00059

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		SM	Dark brown, silty fine SAND, moist, no odor, no stain.					70	30				
		001	0.7 - 1.0														
1																	
2																	
3																	
4		004.01	4.0 - 4.3														
		004.02	4.3 - 4.7														
5					5.0		BOE at 5 ft. bgs										

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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. DP00059

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. DP00060

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

File No.: 32486 -
Sheet No.: 1 of 2
Start: August 30, 2005
Finish: August 30, 2005
Driller:
H&A Rep.: K Hogan, J. Reardon
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	Light red-brown to tan, silty fine SAND with some gravel, dry, no odor, no stain.		20			10	70				
1																	
2					2.0	SM	Grades to dark brown, silty fine SAND, no gravel.					30	70				
3																	
4		005	4.0 - 5.0														
5																	
6																	
7																	
8																	
9		010	9.0 - 10.0														
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. DP00060

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. DP00060
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																	
14		015	14.0 - 15.0														
15																	
16					16.0		BOE at 16 ft. bgs. NOTE: Borehole filled with bentonite chips upon completion.										

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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. DP00062

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

File No.: 32486 -
Sheet No.: 1 of 2
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
				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	NOTE: 8 in. concrete above start of boring at 0 ft.				10	50	40				
		000.02	0.3 - 0.7				Soft, dark brown, silty fine to medium SAND, moist, no odor, no stain.										
		001.01	0.7 - 1.0														
1																	
2																	
3					3.0	ML	Dark brown to brown, SILT with some fine SAND, no odor, no stain.					20	80				
4																	
5		005	5.0 - 5.3														
6																	
7																	
8					8.0	ML	Color grades to grey brown.										
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. DP00062

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. DP00062
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.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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

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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. DP00063

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

File No.: 32486 -
Sheet No.: 1 of 2
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	0.0 - 0.3	NO WELL INSTALLED		SM	NOTE: 8 in. concrete above start of boring at 0 ft. Brown to dark brown, silty fine SAND, moist, no odor, no stain.					60	40				
		001	0.7 - 1.0														
1																	
2																	
3						SM	Color grades to light brown to tan.					50	50				
4																	
5		005	5.0 - 5.3			SM	Color grades back to brown.										
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. DP00063

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

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TEST BORING REPORT

Boring No. DP00063
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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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00064

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

File No.: 32486 -
Sheet No.: 1 of 2
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	NOTE: 8 in. concrete above start of boring at 0 ft. Brown to orange-brown, silty fine to coarse silty SAND, one large (1 in. diameter) QUARTZ pebble, CLAY lenses, mottled orange to brown.			15	15	40	30				
1																	
2																	
3																	
4						SM	Grades to silty fine to medium sand.										
5		005	5.0 - 5.3														
6																	
7					7.0	SP	Light brown to tan, poorly graded fine to medium SAND, micaceous, moist, no odor, no stain.				30	50	20				
8																	
9																	
10		010	9.7 - 10.0			SP	Mixed SP to SM (sluff material in sample).										

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. DP00064

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

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TEST BORING REPORT

Boring No. DP00064
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						SP											
11		011	10.7 - 11.0		11.0	SP	Light brown to tan, poorly graded fine to medium SAND, micaceous, moist, no odor, no stain. Refusal at 11ft. bgs.										

NOTE: Borehole filled with bentonite chips upon completion.

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HALEY & ALDRICH

TEST BORING REPORT

Boring No. DP00065

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

File No.: 32486 -
Sheet No.: 1 of 2
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.				30	50	20				
		000.02	0.3 - 0.7				Soft, dark brown, silty fine to medium SAND, mottled orange-brown, moist, no odor.										
1																	
2																	
3																	
4																	
5		005.01	4.7 - 5.0		5.0	SP	Loose, orange-brown, poorly graded, fine to medium SAND, moist, no odor.				30	70					
		005.02	5.0 - 5.3														
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
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- Riser Pipe
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- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

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

Boring No. DP00065

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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	SP	Loose, light brown to tan, poorly graded, fine to medium SAND, micaceous, moist, no odor.				40	60					
		011	10.7 - 11.0														
11					11.0		Refusal at 11 ft. bgs.										
							NOTE: Borehole filled with bentonite chips upon completion.										

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