GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST
LEA Comm No: 68V7054
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 03/27/97
End Date 03/27/97

Boring ID SK-SB-140

Drilling Contractor: LEA
Drilling Method: Direct Push
Sampling Method: Macro Core
Groundwater Observations:
Depth: 4.2 **At:** 0 **Hours**
Depth: **At:** **Hours**

Logged By: F. Postma
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630885	70		Brownish red, medium SAND, little coarse Sand, trace fine Gravel, little fine Sand, moist, moderately dense	1.1
	1630886	70		Red, coarse SAND, little fine Gravel, little medium Sand, trace(+) coarse Gravel, dense, moist, rounded clasts	0.4
4	1630887	80		Weak red, fine SAND, little medium Sand, loose, moist to wet	0.7
	1630888	80		As Above	0.3
8	1630889	50		As Above	0.6
	1630890	50		As Above	0.4
12	1630891	90		As Above	1.7
	1630892	90		Weak reddish grey, SILT, trace(-) fine Sand, some Clay, loose, moist to wet, rhymites (stratified), fine Sand lenses	41
16				Bottom of Boring at 16'	
20					
24					

RCRA RECORDS CENTER
FACILITY Pratt & Whitney
I.D. NO. CTD990672081
FILE LOC. R-9
OTHER RDMS # 1129

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-140

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST **LEA Comm No:** 68V7054 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 03/27/97 **End Date** 03/27/97	**Boring ID** **SK-SB-141**

Drilling Contractor: LEA
Drilling Method: Direct Push
Sampling Method: Macro Core
Groundwater Observations:
Depth: 4.5 **At:** 0 **Hours**
Depth: **At:** **Hours**

Logged By: F. Postma
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630893	50		Red, medium SAND, little coarse Sand, little fine Gravel, little fine Sand, loose, moist	0.5
	1630894	50		Red, medium SAND, some fine Sand, trace coarse Sand, loose, moist	1.0
4	1630895	80		Weak red, fine SAND, little medium Sand, loose, moist to wet, (fine Sandy Silt lense at 4.2-4.3')	1.0
	1630896	80		As Above, wet	0.8
8	1630897	75		As Above	0.8
	1630898	75		As Above	0.4
12	1630899	80		As Above	0.5
	1630900	80		Top 2": As Above; Bottom 9": Weak reddish grey, SILT, trace fine Sand, some Clay, loose, wet, rhymites (stratified) fine Sand lesnes	55
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring N: K-SB-141

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST **LEA Comm No:** 68V7054 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 03/27/97 **End Date** 03/27/97	**Boring ID** **SK-SB-142**

Drilling Contractor: LEA
Drilling Method: Direct Push
Sampling Method: Macro Core
Groundwater Observations:
Depth: 4 **At:** 0 **Hours**
Depth: **At:** **Hours**

Logged By: F. Postma
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630901	70		Red to brownish red, medium SAND, some coarse Sand, little fine Sand, trace(+) fine Gravel, moderately dense, moist	0.7
	1630902	70		As Above	1.8
4	1630903	100		Weak read, fine SAND, little medium Sand, loose, wet	6.3
	1630904	100		As Above	2.1
8	1630905	60		Reddish grey, fine SAND, little medium Sand, loose, wet	1.4
	1630906	60		As Above	1.8
12	1630907	90		As Above	2.8
	1630908	90		Pinkish grey, SILT, some Clay, trace fine Sand, loose, wet, rhymites (stratified), fine Sand lenses	42
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-142

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST
LEA Comm No: 68V7054
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 03/31/97
End Date 03/31/97

Boring ID SK-SB-143

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630877	62		Light reddish brown, fine to medium SAND, trace coarse Sand, trace fine Gravel, trace organic matter, dry, loose	0
	1630930	62		Reddish brown, fine to medium SAND, trace coarse Sand, trace fine Gravel, moist, moderately dense	0.2
4	1630931	83		Top 6": Reddish brown, fine SAND, moist, loose; Bottom 14": Greyish brown, fine SAND, trace very fine Sand, wet, loose, wet at 7"	0
	1631038	83		Top 6": Same as above last 14": Bottom 14": Greyish brown, fine to medium SAND, wet, loose	0
8	1631039	71		Greyish brown, fine SAND grading to medium to fine SAND, wet, loose	0.2
	1631040 1631041	71		Top 6": Greyish brown, medium to fine SAND, wet, loose; Bottom 11": Greyish brown to olive grey, fine SAND, wet, loose	1.2
12	1631042	83		Olive grey, medium to fine SAND, trace coarse Sand, wet, loose	2.0
	1631043	83		Top 4": As Above; Bottom 16": Grey, varved CLAY, wet, loose	50.0
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite

Printed On: 2/13/1998

Boring N (-SB-143

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST
LEA Comm No: 68V7054
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 03/31/97
End Date 03/31/97

Boring ID SK-SB-144

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631044	75		Top 4.5": Concrete; Reddish brown, fine to medium SAND, trace coarse Sand, trace fine and coarse Gravel, dry, moderately dense	0
	1631045	75		As Above, moist, moderately dense	0
4	1631046	88		Top 5": Grey, fine to very fine SAND, moist, loose; Bottom 16": Yellowish brown, fine SAND, wet, loose, wet at 6"	0.2
	1631047	88		Top 3": Same as above bottom 16"; Middle 2": Grey, very fine SAND, wet, loose; Next 8": Greyish brown, fine to medium SAND, wet, loose; Bottom 8": Grey, fine to very fine SAND, wet, loose	0.2
8	1631048	62		Top 5": Yellowish brown, fine SAND, wet, loose; Bottom 10": Yellowish brown, fine SAND, trace medium Sand, wet, loose	0.2
	1631049	62		Top 9": Same as above last 10"; Bottom 6": Olive grey, fine SAND, wet, loose	0.4
12	1631050	75		Top 15": Greyish brown, fine to medium SAND; Bottom 3": Greyish brown, medium to coarse SAND, wet, loose	4.0
	1631051	75		Grey, varved CLAY, wet, loose	20.0
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite

Printed On: 2/13/1998

Boring No: SK-SB-144

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld
LEA Comm No: 68V7052
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-02-97
End Date 04-02-97

Boring ID SK-SB-145

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630749	43		2": Asphalt, punched, no recovery	2.2
	1630750			Dark reddish-brown, fine to coarse GRAVEL, some fine to coarse SAND, wet, loose, trace Silt, subrounded	1.8
4	1630751	79		2": Dark yellowish-brown, fine to medium SAND, wet, slightly dense, 2": Dark greenish-brown, fine SAND and SILT, moist, dense; 34": Dark yellowish-brown, fine to coarse SAND, trace fine Gravel, moist to wet, loose	2.8
	1630752 1630753				4.0
8	1630754	77		Dark yellowish-brown, fine to medium SAND, wet, loose, coarsening downward to dark yellowish-brown, fine GRAVEL and coarse SAND, wet, loose	1.5
	1630755				2.0
12	1630756	100		6": Dark yellowish-brown, fine GRAVEL with fine to coarse Sand, wet, loose; 42": Oliver-grey, CLAY and SILT, trace fine Sand, wet, dense, laminated	2.5
	1630757				2.6
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring N SK-SB-145

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld **LEA Comm No:** 68V7052 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-02-97 **End Date** 04-02-97	**Boring ID** **SK-SB-146**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630758 1630759	67		6": Olive-grey, fine GRAVEL, some fine to coarse Sand, wet, loose; 26" : Dark reddish-brown, fine to coarse GRAVEL and fine to coarse SAND, trace Silt, moist to wet, loose, occasional concrete fragments	0.2 0.3
4	1630760 1630761	83		6": Olive-grey, fine SAND and SILT, moist, dense; 10": Dark yellowish-brown, fine to medium SAND, little Silt, dense, wet; 24": Dark reddish-brown, fine to coarse SAND, little Silt, moist to wet, slightly dense, occasional Silt lense, olive-grey, moist, dense	1.0 1.8
8	1630762 1630763	12		Dark greyish-brown, fine to coarse SAND, trace fine Gravel, wet, loose	
12	1630764 1630765	100		12": Dark yellowish-brown, fine to coarse SAND and fine GRAVEL, wet, loose, grading to dark grey at bottom 2" ±; 36": Olive-grey, CLAY and SILT, trace fine Sand, wet, dense, laminated	
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring No: SK-SB-146

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld **LEA Comm No:** 68V7052 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-03-97 **End Date** 04-03-97	**Boring ID** **SK-SB-147**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630766 1630767 1630768	77		6": Topsoil; 10": Dark yellowish-brown, fine to medium SAND with Silt, moist, slightly dense, rooted; 21": Dark reddish- brown, fine to coarse GRAVEL with fine to coarse Sand, trace Silt, moist to wet, loose to slightly dense, subrounded Gravel	2.1 1.6
4	1630769 1630770	62		As Above, wet, subangular to subrounded GRAVEL	2.0 1.9
8	1630771 1630772	69		10": Dark yellowish-brown, coarse SAND, little fine Gravel, wet, loose; 13": Dark yellowish-brown, fine(+) to medium SAND, wet, loose; 10": Dark yellowish-brown, fine GRAVEL and coarse SAND, wet, loose	1.8 1.8
12	1630773 1630774	83		10": As Above; 30": Olive-grey CLAY,some Silt, trace fine Sand, wet, dense, thinly laminated	1.5 1.6
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring N K-SB-147

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld **LEA Comm No:** 68V7052 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-03-97 **End Date** 04-03-97	**Boring ID** **SK-SB-148**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630776	75		6": Topsoil; 30": Dark reddish-brown, fine(+) to coarse GRAVEL with fine to coarse(+) Sand, trace Silt, wet, dense	1.6
	1630777				5.3
4	1630778	94		Olive-grey to dark reddish-brown, fine to coarse SAND, trace Silt, occasional Silt lense, wet, slightly dense, thinly bedded	2.2
	1630779				1.3
8	1630780	77		20": Dark yellowish-brown, fine SAND, wet, slightly dense; 17": Dark yellow-brown, fine to coarse(+) Sand, wet, slightly dense	1.9
	1630781				1.9
12	1630782	75		10": As Above; 26": Olive-grey, CLAY, some Silt, trace fine Sand, wet, dense	1.2
	1630783				0.7
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring No: SK-SB-148

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld **LEA Comm No:** 68V7052 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-03-97 **End Date** 04-03-97	**Boring ID** **SK-SB-149**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630784 1630785	75		8": Dark brown, fine to medium SAND, some Silt, wet, rooted; 10": Dark reddish-brown, fine to coarse SAND, some Silt, moist, loose; 18": Dark reddish-brown, fine to coarse(+) GRAVEL with fine to coarse Sand, moist to wet, dense	0.0 0.0
4	1630786 1630787	88		8": Dark reddish-brown SILT, with fine Sand, moist, very dense; 12": Grey, fine SAND, wet, slightly dense; 22": Dark reddish-brown, fine to coarse SAND, wet, loose, coarsening downward	0.0 0.0
8	1630788 1630789	62		Dark yellowish-brown, fine to coarse SAND, trace Silt, wet, loose	0.0 0.0
12	1630790 1630791	90		12": Dark yellowish-brown, fine to coarse(+) SAND and fine GRAVEL, wet, loose; 31": Olive-grey, CLAY, little Silt, trace fine Sand, wet, dense, thinly laminated	0.4 0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring N

K-SB-149

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld
LEA Comm No: 68V7052
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-03-97
End Date 04-03-97

Boring ID SK-SB-150

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630792	81		Dark yellowish-brown, to dark reddish-brown, fine to coarse SAND, moist to wet, loose to slightly dense	0.0
	1630793				0.0
4	1630794	83		Dark yellowish-brown to dark reddish-brown, fine to coarse SAND, little Silt, wet, slightly dense, slight petrol odor(?)	0.0
	1630795				20.6
8	1630796	83		Dark yellowish-brown, fine to coarse SAND, some fine Gravel, wet, slightly dense, occasional iron-staining, generally coarsening downward	0.0
	1630797				0.0
12	1630798	75		12": Dark yellowish-brown, fine GRAVEL and fine to coarse(+) SAND, wet, loose, generally fining downward; 24": Olive-grey, CLAY, some Silt, trace fine Sand, wet, dense, thinly laminated	0.0
	1630799				0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring No: SK-SB-150

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld **LEA Comm No:** 68V7052 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-03-97 **End Date** 04-03-97	**Boring ID** **SK-SB-151**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630800	83		Dark reddish-brown, fine(+) to coarse SAND, little Silt, moist to wet, loose	0.0
	1630801				0.0
4	1630802	88		6": Dark olive-grey, SILT with fine Sand, moist, very dense; 36": Dark reddish-brown, fine SAND and SILT, trace medium to coarse Sand, wet, slightly dense, occasional Silt lenses	0.0
	1630803				0.0
8	1630804	71		Dark yellowish-brown, fine to coarse SAND, wet, slightly dense, approximately 6" corsening down beds	0.0
	1630805				0.0
12	1630806	75		18": Dark yellowish-brown, fine GRAVEL with fine to coarse(+) Sand, wet, loose; 18": Olive-grey, CLAY, some Silt, trace fine Sand, moist, very dense	0.0
	1630807				0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring N K-SB-151

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld **LEA Comm No:** 68V7052 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-03-97 **End Date** 04-03-97	**Boring ID** **SK-SB-152**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630808	71		2": Asphalt; 2": Subbase; 30": Dark reddish-brown, fine(+) to coarse SAND and fine GRAVEL, with Silt, wet, dense	0.0
	1630809				0.0
4	1630810	75		Dark reddish-brown, fine to coarse GRAVEL with fine to coarse(+) Sand, wet, loose, occasional grey to black lenses, 6" of concrete rubble at 1', strong petrol odor	63.8
	1630811				60.6
8	1630812	77		18": Grey-brown, fine SAND, trace Silt, wet, slightly dense, slight petrol odor; 19": Dark yellowish-brown, fine to coarse(+) SAND, trace fine Gravel, wet, slightly dense, occasional iron-staining	0.0
	1630813				0.0
12	1630814	92		18": Dark yellowish-brown, fine GRAVEL and fine to coarse(+) SAND, wet, loose; 26": Olive-grey, CLAY, little Silt, trace fine Sand, wet, dense	0.0
	1630815				0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/9/1998

Boring No: SK-SB-152

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld
LEA Comm No: 68V7052
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-04-97
End Date 04-04-97

Boring ID SK-SB-153

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630818	91		4": Concrete - cored; 4": Dark red, coarse GRAVEL, dry, loose; 36": Dark yellow-brown, fine to medium SAND, trace fine Gravel, dry to moist, loose, occasional coal(?) fragments	0.0
	1630819				0.0
4	1630820	88		Dark reddish-brown, fine to coarse(+) GRAVEL with fine(+) to coarse Sand, little Silt, wet, extremely dense	0.0
	1630821 1630822				0.0
8	1630823	83		12": Dark reddish-brown, fine to coarse GRAVEL with fine to coarse Sand, little Silt, wet, slightly dense; 4": Grey, fine SAND, wet, slightly dense; 24": Dark yellow-brown, fine to coarse SAND, trace fine Gravel, wet, loose, generally coarsens downward	0.1
	1630824				1.0
12				Bottom of Boring 12'	
16					
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/2/1998

Boring N K-SB-153

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld
LEA Comm No: 68V7052
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-04-97
End Date 04-04-97

Boring ID SK-SB-154

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630825	98		4": Concrete, cored; Brown to dark yellow-brown, fine(+) to coarse SAND, trace fine Gravel, moist to wet at base, occasional coal (?) fragments, loose	0.0
	1630826				0.0
4	1630827	85		8": Grey, medium to coarse SAND, wet, loose, occational Silt lenses, 33": Dark reddish-brown, fine to coarse GRAVEL and fine to coarse SAND, little Silt, wet, extremely dense, petrol odor(?)	0.0
	1630828				10.4
8	1630829	75		Dark grey to reddish-brown, fine(+) to medium SAND with SILT, wet, slightly dense, occasional Silt lenses	0.0
	1630830				0.0
12				Bottom of Boring 12'	
16					
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/2/1998

Boring No: SK-SB-154

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld **LEA Comm No:** 68V7052 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-04-97 **End Date** 04-04-97	**Boring ID** **SK-SB-155**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1630832	100		4": Concrete, cored; Dark brown to dark reddish-brown, fine(+) to coarse SAND and fine to coarse(+) GRAVEL, trace Silt, dry to wet at tip, dense, angular, brick and concrete and asphalt fragments	0.0
	1630833				0.0
4	1630834	92		Dark reddish-brown, fine to coarse GRAVEL with fine(+) to coarse SAND, wet, dense, subangular to subrounded	0.0
	1630835				0.0
8	1630836	81		Dark yellow-brown, fine to coarse SAND, trace (-) fine Gravel, wet, loose, occasional Silt lenses, slight petrol odor	0.0
	1630837				0.0
12				Bottom of Boring 12'	
16					
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/2/1998

Boring N K-SB-155

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld
LEA Comm No: 68V7052
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-08-97
End Date 04-08-97

Boring ID SK-SB-156

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631398	67		Top 8": Reddish-brown, fine to medium SAND, trace fine Gravel, dry, loose; Bottom 8": Light yellowish-brown, fine SAND, trace medium Sand, dry, loose	0.6
	1631399	67		Same as bottom 8", moist	0.5
4	1631400	71		Top 6": As Above, wet at 6"; Bottom 11": Reddish-brown, medium to fine SAND, trace coarse Sand, trace fine Gravel, moist, medium dense	0.2
	1631401	71		Reddish-brown, fine to medium SAND, little coarse Gravel, trace fine Gravel, moist, medium dense	0.2
8	1631402	71		Reddish-brown, medium to fine SAND, trace fine Gravel, trace fine Sand, trace coarse Sand, moist, medium dense, slight pine odor	0.1
	1631404	71		Top 9": As Above, wet; Bottom 8": Greyish-brown, fine to medium SAND, wet, loose, process stone in bottom	0.0
12					
16					
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/2/1998

Boring No: SK-SB-156

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Add Inv Gas/Chem Bld
LEA Comm No: 68V7052
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-08-97
End Date 04-08-97

Boring ID SK-SB-157

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631405	50		Top 5": Black, bituminous asphalt; Bottom 7": Reddish-brown, medium to fine SAND, trace coarse Sand, trace fine Gravel, moist, medium dense	0.0
	1631406	50		Same as last 7", COBBLE at 8"	0.0
4	1631407	92		As Above, COBBLE at 16'	0.0
	1631408	92		Top 15": As Above, wet at 13"; Bottom 7": Greyish-brown, fine SAND, wet, loose, strong petrol odor in Bottom 7"	8.5
8	1631409	75		Greyish-brown, fine to very fine SAND, wet, loose	0.0
	1631410	75		Olive-grey, fine to medium SAND, wet, loose	0.0
12	1631411	100		Top 12": Olive-grey, fine SAND, wet, loose; Bottom 12": Grey, varved CLAY, wet, loose	0.0
	1631412	100		Same as last 12"	0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips.

Printed On: 2/2/1998

Boring N K-SB-157

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-08-97
End Date 04-08-97

Boring ID SK-SB-158

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631413	67		Top 2": Organic debris; Bottom 14": Light yellowish-brown, fine SAND, dry, loose	0.0
	1631415	67		Top 8": Same as last 14"; Bottom 8": Brown, fine to medium SAND, moist, loose	0.0
4	1631416	83		Top 8": Brown, fine SAND, wet, loose; Bottom 12": Yellowish brown, fine SAND, wet, loose	0.0
	1631417	83		Top 8": Same as last 12": Middle 4", Grey, SILT, wet, moderately dense; Bottom 8": Brown, fine SAND, wet, loose	0.0
8	1631418	83		Greyish-brown, fine SAND, wet, loose	0.0
	1631419	83		Top 5": Greyish-brown, fine to very fine SAND, wet, loose; Bottom 15": Yellowish-brown, medium to fine SAND, wet, loose	0.0
12	1631420	88		Olive-brown, fine to very fine SAND, wet, loose	0.0
	1631321	88		Top 6": As Above; Middle 7": Yellowish-brown, medium SAND, trace coarse Sand, wet, loose; Bottom 8": Grey, varved CLAY, wet, loose	0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-158

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7055 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-08-97 **End Date** 04-08-97	**Boring ID** **SK-SB-159**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631422	71		Drilled through 8" Concrete; Top 5": Black, bituminous asphalt; Bottom 12": Yellowish-brown, fine SAND, moist, loose	0.0
	1631423	71		As Above last 12"	0.0
4	1631424	75		As Above, 1/4" Grey, SILT layer at 12", wet at bottom	0.0
	1631425	75		Greyish-brown, fine SAND, wet, loose	0.0
8	1631426	83		As Above	0.0
	1631427	83		Yellowish-brown, fine to medium SAND, wet, loose	0.0
12	1631428	100		Top 4": As Above; Middle 8": Yellowish-brown, fine SAND, wet, loose; Bottom 12": Yellowish-brown, fine to medium SAND, wet, loose	0.0
	1631429	100		Top 6": As Above last 1"; Bottom 1.5': Grey, varved CLAY, wet, loose	0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N K-SB-159

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-09-97
End Date 04-09-97

Boring ID SK-SB-160

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631432	83		Top 6": Dark brown, fine SAND, trace Silt, trace organic matter, Clay, loose; Bottom 14": Reddish-brown, fine to medium SAND, trace fine to coarse Gravel, dry, loose	0
	1631433	83		Yellowish-brown, fine SAND, moist, loose	0
4	1631435 1631434	83		Greyish-brown, fine SAND, moist, loose	0
	1631436	83		Top 12": Yellowish-brown, fine SAND; Middle 2": Grey, SILT, moist, loose; Bottom 6": Greyish-brown, fine to medium SAND, wet at bottom	0
8	1631437	83		Top 12": Yellowish-brown, fine to medium SAND, wet, loose; Bottom 8": Greyish-brown, fine SAND, wet, loose	0
	1631438	83		Top 4": Same as last 8"; Bottom 16": Greyish-brown to olive-brown, fine to medium SAND, wet, loose	0
12	1631439	75		Olive-brown, fine to very fine SAND, wet, loose	0
	1631440	75		Top 3": As Above; Middle 8": Yellowish-brown, medium to fine SAND, trace(+) coarse Sand, wet, loose; Bottom 7": Grey, varved CLAY, wet, loose	0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-160

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7055 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-09-97 **End Date** 04-09-97	**Boring ID** **SK-SB-161**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631441	62		Top 8": Concrete; Bottom 7": Light brown, fine SAND, dry, loose	0
	1631442	62		Yellowish-brown, fine SAND, moist, loose	0
4	1631443	71		Top 14": Greyish-brown, fine to medium SAND, moist; Bottom 3": Greyish-brown, fine SAND, trace very fine Sand, loose, wet at 12"	0
	1631444	71		Top 4": As Above last 3"; Middle 3": Grey, SILT, wet, loose; Bottom 10": Greyish-brown, fine SAND, grading to fine to medium Sand, wet, loose	0
8	1631445	83		Greyish-brown, fine SAND, trace(-) medium Sand, wet, loose	0
	1631446	83		Top 10": Greyish-brown, fine SAND, moist, loose; Middle 6": Greyish-brown, fine to medium SAND, wet, loose; Bottom 4": Same as top 10"	0
12	1631447	79		Top 10": Olive-brown, fine SAND, trace very fine Sand, wet, loose; Bottom 9": Yellowish-brown, fine to medium SAND, wet, loose	0
	1631448	79		Top 6": As Above last 9"; Middle 7": Yellowish-brown, medium to fine SAND, trace coarse Sand, wet, loose; Bottom 6": Grey, varved CLAY, wet, loose	0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N K-SB-161

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7055 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-09-97 **End Date** 04-09-97	**Boring ID** **SK-SB-162**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631449	83		Top 6": Dark brown, fine SAND, some Silt, trace organic matter, dry, loose; Bottom 14": Light brown, fine SAND, trace organic matter, dry, loose	0
	1631450	83		Top 3": As Above last 14"; Middle 3": Grey, SILT, moist, dense; Bottom 14": Yellowish-brown, fine SAND, trace(-) medium Sand, moist, loose	0
4	1631451	79		Greyish-brown, fine SAND, moist, loose, wet at 10"	0
	1631452	79		Top 6": Yellowish-brown, fine to very fine SAND; Middle 3": Grey, SILT, wet, moderately dense; Bottom 10": Same as top 6"	0
8	1631453	71		Greyish-brown, fine SAND, wet, loose	0
	1631454	71		As Above	0
12	1631455	100		Olive-brown, fine to very fine SAND, grading to yellowish-brown, fine to medium Sand, wet, loose	0
	1631456	100		Top 14": Yellowish-brown, medium to fine SAND, trace coarse Sand, wet, loose; Bottom 10": Grey, varved CLAY, wet, loose	0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-162

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-09-97
End Date 04-09-97

Boring ID SK-SB-163

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631457	67		Top 2": Organic debris; Next 2": Concrete; Next 2": Dark brown, fine SAND, dry, loose; Next 2": Grey, SILT, dry, loose; Bottom 8": Reddish-brown, fine to medium SAND, dry, loose	0.1
	1631458	67		Light yellowish-brown, fine SAND, trace(-) medium Sand, loose, moderately dense to 8", loose at bottom	0.4
4	1631459	92		Greyish-brown, fine SAND, trace medium Sand, moist, loose	0
	1631460	92		Top 4": Yellowish-brown, very fine SAND, moist, loose, Middle 3": Grey, SILT, moist, loose; Bottom 15": Greyish-brown, fine SAND, moist, loose, wet at 15"	0.1
8	1631461	96		Top 7": As Above last 15"; Bottom 15": Greyish-brown, fine to medium SAND, wet, loose	0.6
	1631462	96		Top 10": Greyish-brown, fine SAND, trace very fine Sand; Bottom 13": Yellowish-brown, medium to fine SAND, wet, loose	0.1
12	1631463	71		As Above last 13"	0.1
	1631464	71		Top 3": As Above; Bottom 14": Grey, varved CLAY, wet, loose	0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N SK-SB-163

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-09-97
End Date 04-09-97

Boring ID SK-SB-164

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631465	67		Drilled through 2": Asphalt, start 6" below grade; Reddish-brown, fine SAND, trace medium Sand, trace fine to coarse Gravel, dry, loose	0.1
	1631466	67		Yellowish-brown, fine to very fine SAND, moist, loose; Black-staining first 4" of sample	0.2
4	1631467	71		Yellowish-brown, fine SAND, moist, loose	0
	1631468	71		Top 2": Yellowish-brown, fine to very fine SAND, moist, loose; Next 3": Grey, SILT, moist, moderately dense; Next 2": Same as top 2": Bottom 10": Greyish-brown, fine SAND, wet, loose	0.5
8	1631469	92		As Above last 10"	0.2
	1631470	92		As Above; trace medium SAND last 6"	0
12	1631471	75		Yellowish-brown, fine to medium SAND, wet, loose	0.2
	1631472	75		Top 12": Yellowish-brown, medium to fine SAND, wet, loose; Bottom 6": Grey, varved CLAY, wet, loose	0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-164

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7055 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-09-97 **End Date** 04-09-97	**Boring ID** **SK-SB-165**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631473	75		Light brown, fine to very fine SAND, dry, loose; Bituminous asphalt throughout	0
	1631474	75		Yellowish-brown, fine SAND, trace very fine Sand, trace Silt, moist, loose; Bituminous asphalt throughout	0
4	1631475	83		Top 8": Yellowish-brown, fine SAND, moist, loose; Next 3": Yellowish-brown, very fine SAND, moist, loose; Next 3": Grey, SILT, moist, loose; Bottom 6": Greyish-brown, fine to very fine SAND, moist, loose	0
	1631476	83		Greyish-brown, fine SAND, wet, loose, wet at top	0
8	1631477	58		Yellowish-brown, fine to medium SAND, trace coarse Sand, wet, loose	0
	1631478	58		As Above	0
12	1631479	83		Yellowish-brown, medium SAND, trace coarse Sand, wet, loose	0
	1631480	83		Top 3": As Above; Bottom 14": Grey, varved CLAY, wet, loose	0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N

K-SB-165

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-09-97
End Date 04-09-97

Boring ID SK-SB-166

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631481	79		Top 4": Black bituminous asphalt; Yellowish-brown, fine to very fine SAND, little Silt, dry, loose, trace organic matter	0
	1631482	79		Top 8": As Above, moist; Bottom 11": Dark yellowish-brown, fine SAND, moist, loose	0
4	1631483	83		Top 10": Greyish-brown, fine SAND, moist, loose; ;Next 5": Grey, SILT, moist, loose; Bottom 5": Greyish-brown, very fine SAND, moist, moderately dense	0
	1631484	83		Greyish-brown, fine SAND, moist, loose, wet at bottom	0
8	1631485	83		Top 10": As Above; Bottom 10": Yellowish-brown, fine to medium SAND, wet, loose	0
	1631486	83		Same as last 10"	2.3
12	1631487	100		As Above, trace coarse SAND, wet, loose	0
	1631488	100		Grey, varved CLAY, wet, loose	0
16				Bottom of Boring 16;	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-166

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-10-97
End Date 04-10-97

Boring ID SK-SB-167

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631490	30		5": Concrete; Dark reddish-brown, fine to medium SAND with Gravel, dry, loose (Gravel stuck in tip)	0.0
4	1631491	79		Reddish-brown, fine(+) to medium SAND, moist to wet, slightly dense, occasional Silt lense, olive-grey, wet, dense	0.0
	1631492	79			0.0
8	1631493	88		Dark yellow-brown to grey, fine to coarse SAND, wet, slightly dense, generally coarsening downward	0.0
	1631494 1631495	88			0.6
12	1631496	100		44": Greyish-brown, fine to coarse(+) SAND, some fine Gravel, wet, loose; 4": Olive-grey, CLAY, trace Silt, trace fine Sand, wet, dense	1.0
	1631497				0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No SK-SB-167

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-10-97
End Date 04-10-97

Boring ID SK-SB-168

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631499	83		6": Concrete; Dark reddish-brown, fine(+) to medium SAND, little Silt, trace fine Gravel, moist to wet (2±), slightly dense	0.0
	1631500				0.0
4	1631501	77		21": Dark reddish-brown, fine to coarse SAND, wet, slightly dense, trace Silt; 4": Olive-grey, SILT, moist, dense; 12": Dark reddish-brown, fine(+) to medium SAND, trace Silt, wet, slightly dense	0.5
	1631502				1.4
8	1631503	85		Grey to dark reddish-brown, fine(+) to medium SAND with Silt, wet, slightly dense, coarsening downward to fine to coarse(+) Sand, little fine Gravel, wet, loose	3.5
	1631504				1.4
12	1631505	90		37": Dark yellowish-brown, fine to coarse(+) SAND, trace fine Gravel, wet, slightly dense, coarsening downward to coarse Sand and fine Gravel, wet, loose; 6": Olive-grey, CLAY, trace Silt, trace fine Sand, wet, dense	1.2
	1631506				0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-168

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7055 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04-10-97 **End Date** 04-10-97	**Boring ID** **SK-SB-169**

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631507	81		6": Concrete and Rubble; Greyish brown to dark yellow-brown, fine SAND with Silt, moist to wet (at 2' ±), slightly dense, occasional Silt lenses	17.5
	1631508				13.5
4	1631509	75		Grey to dark reddish-brown, fine(+) to medium SAND with Silt, wet, slightly dense	0.5
	1631510				2.8
8	1631511	79		Grey-brown to dark yellow-brown, fine to coarse SAND, trace(-) Silt, wet, loose to slightly dense	0.2
	1631512				2.0
12	1631513	100		12": Dark yellow-brown, coarse SAND with fine Gravel, wet, loose; 25": Dark yellowish-brown fine(+) to medium SAND, trace Silt, wet, slightly dense, coarsening downward to dark yellowish-brown coarse Sand and fine Gravel, wet, loose; 11": Olive-grey, CLAY, trace Silt, trace fine Sand, dense, wet	0.0
	1631514				0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/13/1998

Boring N K-SB-169

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-10-97
End Date 04-10-97

Boring ID SK-SB-170

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Klapheke
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631515	86		6": Concrete and Rubble; 26": Dark reddish-brown, fine SAND with Silt, occasional Silt lense, moist to wet (at 2'±), slightly dense; 10": Dark yellowish-brown, fine to coarse SAND, wet, loose	0.0
	1631516				0.0
4	1631517	81		Dark brown to grey, fine(+) to medium SAND with Silt, occasional Silt lense, dense, wet	0.0
	1631518				0.0
8	1631519	79		Grey-brown to dark yellow-brown, fine to coarse SAND, occasional coarse Sand lenses, wet, loose to slightly dense, occasional iron-staining	0.0
	1631520				0.0
12	1631521	100		24": As Above; 24": Olive-grey, CLAY, trace Silt, trace fine Sand, wet, dense, laminated	0.0
	1631522				0.0
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/13/1998

Boring No: SK-SB-170

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7055
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04-11-97
End Date 04-11-97

Boring ID SK-SB-171

Drilling Contractor: LEA
Drilling Method: GeoProbe
Sampling Method: MC
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: GeoProbe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1631525	85		Top 5": Black, bituminous asphalt; Bottom 16": Light brown, fine SAND, dry 0-10", moist 10-16", loose, bituminous scattered through sample	1.9
	1631526	85		Yellowish-brown, fine SAND, trace(-) medium Sand, moist, loose; Greyish-orange modeling at 10-20", trace organic matter, wet at 10"	2.7
4	1631527	100		Top 16": Yellowish-brown, fine SAND, trace organic matter, wet, loose; ;Middle 3": Reddish-brown, fine to very fine SAND; Bottom 5": Grey, SILT, wet, loose	0.4
	1631529 1631528	100		Top 9": Same as middle 3": Middle 10": Greyish-brown, fine SAND, wet, loose; Bottom 5": Yellowish-brown, fine SAND, fine to coarse Sand, varved, wet, loose	1.3
8	1631530	75		Yellowish-brown, fine SAND, trace medium Sand, wet, loose	2.9
	1631531	75		As Above	1.5
12	1631532	88		Top 6": Yellowish-brown, fine to medium SAND, wet, loose; Bottom 15": very fine to fine SAND (yellowish-brown), wet, loose	22.5
	1631533	88		Top 8": Yellowish-brown, fine to medium SAND, wet, loose; Bottom 13": Grey, varved CLAY, wet, loose	7.5
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N K-SB-171

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/15/97
End Date 04/15/97

Boring ID SK-SB-172

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632069	83		Top 3": Black bituminous; Bottom 17": Dark brown, fine SAND, trace silt, trace organic matter, dry, loose, black-staining from 3-10", process stone, fine Gravel at top	2.4
	1632068	83		Yellowish brown, fine SAND, trace medium Sand, trace organic matter, moist, loose, trace Silt in top 10"	0.4
4	1632067	92		Top 17": Yellowish brown, fine to medium SAND, wet, loose; Bottom 5": Grey, fine SAND, little Silt, wet, loose, wet at top	0.2
	1632070 1632071	92		Top 10": Greyish brown, fine SAND, wet, loose; Bottom 12": Greyish brown, fine to medium SAND, wet, loose	0.4
8	1632072	58		Top 3": As Above last 12"; Bottom 11": Greyish brown, fine to very fine SAND, wet, loose	0.7
	1632073	58		Greyish brown to yellowish brown, fine to medium SAND, wet, loose	0.3
12	1632074	67		Yellowish brown, fine to medium SAND, wet, loose	0.7
	1632075	67		Grey, varved CLAY, wet, loose	0.2
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-172

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/15/97
End Date 04/15/97

Boring ID SK-SB-173

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632076	83		Top 10": Black bituminous asphalt, some greyish brown, fine SAND, little process stone, fine Gravel, dry, loose; Bottom 10": Dark brown, fine SAND, trace coarse Silt, little organic matter, black sapric organic matter at 16-20"	0.5
	1632077	83		Yellowish brown, fine SAND, trace Silt, moist, loose, wet at bottom	0.6
4	1632078	83		Top 14": Yellowish brown, fine to medium SAND, wet, loose; Bottom 6": Yellowish brown, fine to very fine SAND, wet, loose	0.4
	1632079	83		Top 5": Grey, very fine SAND, little Silt, wet, loose; Bottom 15": Greyish brown, fine SAND (10") grading to fine to medium Sand (5") wet, loose	1.1
8	1632080	75		Brown, fine SAND grading to yellowish fine to medium SAND, wet, loose	0.8
	1632081	75		Top 8": Yellowish brown, fine to medium SAND, wet, loose; Bottom 8": Light olive brown, fine to very fine SAND, wet, loose	0.2
12	1632082	71		Yellowish brown, medium SAND, wet, loose	0.9
	1632083	71		Top 3": As Above, trace coarse Sand; Bottom 14": Grey, varved CLAY, wet, loose	0.5
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N K-SB-173

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/15/97
End Date 04/15/97

Boring ID SK-SB-174

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632084	83		Top 6": Black bituminous asphalt and greyish brown, fine SAND and some process stone, fine Gravel, dry, loose; Middle 8": Dark brown, fine SAND, trace Silt; Bottom 6": Strong brown, fine to very fine SAND, trace Silt, dry, loose	0
	1632085	83		Yellowish brown, fine to medium SAND, moist, loose	0.1
4	1632086	100		Yellowish brown, fine SAND, trace medium Sand, wet, loose, wet at top	0.5
	1632087	100		Top 5": Grey, SILT with fine Sand, wet, moderately dense; Bottom 19": Greyish brown, fine SAND, wet, moderately dense,	0.1
8	1632088	75		Greyish brown, fine to very fine SAND grading to fine SAND, wet, loose	0
	1632089	75		Top 6": Greyish brown, fine SAND, wet, loose; Bottom 12": Light olive brown, fine to very fine SAND, wet, loose	0
12	1632090	75		Top 16": Yellowish brown, medium SAND, trace coarse Sand, wet, loose; Bottom 2": Grey, varved CLAY, wet, loose.	0
	1632091	75		Same as above last 2"	0
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-174

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/15/97
End Date 04/15/97

Boring ID SK-SB-175

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632092	83		4": Concrete cored with Geoprobe; Top 8": Dark brown, fine SAND, little process stone, coarse Gravel, dry, loose; Bottom 12": Strong brown, fine SAND, some Silt, dry, moderately dense	0.2
	1632093	83		Strong brown, fine SAND grading to yellowish brown, fine to medium SAND, moist, loose, wet at bottom	0.4
4	1632094	100		Top 19": Yellowish brown, fine to medium SAND (10") grading to fine SAND (9") wet, loose; Bottom 5": Grey, SILT, little fine SAND, wet, moderately dense	0.5
	1632095	100		Greyish brown, fine SAND, trace medium Sand in bottom 6", wet, moderately dense	1.2
8	1632096	75		Greyish brown, fine to very fine SAND, wet, loose	0.4
	1632097	75		Top 6": Greyish brown, fine SAND, wet, loose; Bottom 12": Light olive brown, fine to very fine SAND, wet, loose	1.4
12	1632098	67		Yellowish brown, medium SAND, wet, loose	0
	1632099	67		Grey, varved CLAY, wet, loose	0
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N

K-SB-175

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/16/97 **End Date** 04/16/97	**Boring ID** **SK-SB-176**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632102	100		Top 2": Organic debris; Bottom 22": Brown, fine SAND and SILT, trace organic matter, dry, moderately dense	0
	1632103	100		Top 4": Same as above last 22"; Middle 14": Strong brown, fine SAND and SILT, trace organic matter, moist, loose; Bottom 6": Yellowish brown, fine SAND, moist, loose	0
4	1632104	92		Top 8": Brown, fine to very fine SAND, wet, loose; Middle 6" : Grey, SILT and fine SAND, wet, moderately dense; Bottom 8" : Same as top 8", wet at top	0.6
	1632105 1632106	92		Yellowish brown, fine to medium SAND, wet, loose	1.0
8	1632107	62		As Above	0.7
	1632109	62		Greyish brown, medium to fine SAND, trace coarse Sand, wet, loose	1.4
12	1632100	100		Top 10": Greyish brown, medium SAND, trace coarse Sand grading to greyish brown, fine Sand, wet, loose	16.0
	1632111	100		Top 12": Greyish brown, fine SAND, wet, loose; Bottom 12": Grey, varved CLAY, wet, loose	0.2
16				Bottom of Boring 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-176

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/16/97
End Date 04/16/97

Boring ID SK-SB-177

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632112	100		Top 2": Organic matter; Bottom 22": Dark yellowish brown, SILT and fine SAND, dry, loose, trace organic matter	0
	1632113	100		Top 4": As Above last 22"; Bottom 20": Strong brown, fine SAND and SILT grading to fine SAND, moist, loose	0
4	1632114	79		Top 6": Greyish brown, fine SAND grading to very fine SAND, wet, loose; Middle 6": Grey, SILT, some fine Sand, wet, loose; Bottom 7": Greyish brown, fine to very fine SAND, wet, loose	1.2
	1632115	79		Greyish brown, fine SAND (11") grading to fine to medium SAND, wet, loose (8")	0.8
8	1632116	75		Greyish brown, fine to medium SAND, wet, loose	1.0
	1632117	75		Top 6": As Above; Bottom 12": Greyish brown, medium SAND, trace coarse Sand, wet, loose	1.0
12	1632118	83		Top 15": Light olive grey, fine SAND, some very fine Sand, wet, loose; Bottom 5": Yellowish brown, medium SAND, trace coarse Sand, wet, loose	50.0
	1632119	83		Top 8": Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose; Bottom 12": Grey, varved CLAY, wet, loose	1.0
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N K-SB-177

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/16/97
End Date 04/16/97

Boring ID SK-SB-178

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632120	100		Top 3": Organic debris; Bottom 21": Brown, SILT, some fine Sand, dry, loose, black-stained last (with organic matter) 4", trace organic matter	0.6
	1632121	100		Light yellowish brown, SILT and fine SAND, shading to very fine to fine Sand (15"), moist, loose	0.4
4	1632122	75		Top 6": Light olive brown, very fine to fine SAND, wet, loose; Next 3": Grey, SILT, some fine Sand, wet, loose; Bottom 9": Greyish brown, very fine to fine SAND, Gravel, very fine to fine Sand, wet, loose	1.7
	1632123	75		Greyish brown, fine to medium SAND, wet, loose	0.4
8	1632124	58		As Above	2.7
	1632125	58		As Above	46.0
12	1632126	83		Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose	8.2
	1632127	83		Top 8": Greyish brown, fine SAND, trace(-) medium Sand, wet, loose; Bottom 12": Grey, varved CLAY, wet, loose	0.2
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-178

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/16/97 **End Date** 04/16/97	**Boring ID** **SK-SB-179**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632128	100		Top 3": Organic matter; Bottom 21": Brown, fine SAND, some Silt, trace organic matter, dry, moderately dense	0
	1632129	100		Top 5": Dark brown, SILT and sapric organic matter, moist, loose; Bottom 19": Yellowish brown, fine SAND, moist, loose	4.4
4	1632130	88		Top 4": Yellowish brown, very fine to fine SAND, wet, loose; Next 6": Grey, SILT, some fine Sand, wet, loose; Next 2": Same as above top 4"; Bottom 9": Yellowish brown, fine SAND, wet, loose	1.2
	1632131	88		Greyish brown, fine to medium SAND, wet, loose	0
8	1632132	67		As Above	4.0
	1632133	67		Brownish grey, medium to fine SAND, trace coarse Sand, wet, loose	160
12	1632134	96		Top 8": As Above; Next 2": Yellowish brown, medium to coarse SAND; Next 6": Yellowish brown, fine to medium SAND; Bottom 7": Grey, varved CLAY, wet, loose	1.0
	1632135	96		Same as above last 7"	0
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring N K-SB-179

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/16/97 **End Date** 04/16/97	**Boring ID** **SK-SB-180**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632136	100		Top 2": Organic debris; Bottom 22": Dark yellowish brown, SILT, some fine Sand, little organic matter, dry, loose	500
	1632137	100		Top 6": Same as above last 22"; Middle 6": Black, sapric organic matter with dark brown, SILT; Bottom 12": Light yellowish brown, fine SAND, moist, loose	500
4	1632138	83		Top 6": Greyish brown, fine to very fine SAND, wet, loose; Next 7": Grey, SILT, trace fine Sand, wet, moderately dense; Bottom 7": Greyish brown, fine to very fine SAND, wet, loose	200
	1632139	83		Greyish brown, fine SAND, grading to (12") fine to medium SAND, wet, loose	2.0
8	1632140	58		Greyish brown, fine to medium SAND, trace coarse Sand, wet, loose, 1" amber colored lense at 2"	110
	1632141	58		As Above	280
12	1632142	100		Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose	20.0
	1632143	100		Top 12": As Above; Bottom 12": Grey, varved CLAY, wet, loose	1.6
16				Bottom of boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips

Printed On: 2/9/1998

Boring No: SK-SB-180

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/17/97
End Date 04/17/97

Boring ID SK-SB-181

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: B. Tomicic
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632147	100		Top 4": Concrete; Dark brown, fine SAND, some(-) Silt, moderately dense, slightly moist, poorly sorted, assorted Cobbles	4.6
	1632148	100		Top 3": As Above; Bottom 21": Brown, fine SAND, some(+) coarse Sand, moist, loose, poorly sorted	4.5
4	1632149	75		Top 4": As Above; 2": Grey, fine SAND, trace(+) Silt, dense; Bottom 12": Brown, coarse SAND, trace(-) fine Sand, moist, poorly sorted	4.4
	1632150	75		As Above, mottled, wet	5.7
8	1632151	62		Greyish brown, coarse SAND, trace(+) fine Sand, wet, loose, poorly sorted	4.4
	1632152 1632153	62		As Above	4.6 4.4
12	1632154	100		As Above	3.2
	1632155	100		Top 10": As Above, mottled; Bottom 18": Olive grey, varved CLAY, dense	2.3
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips upon completion

Printed On: 2/12/1998

Boring No. SK-SB-181

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/17/97
End Date 04/17/97

Boring ID SK-SB-182

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: B. Tomicic
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632156	79		Top 29": Bituminous concrete; Bottom 1': Brown, fine SAND and(-) coarse Sand, moderately dense, poorly sorted, Cobbles (rip rap)	2.2
	1632157	79		Brown, fine SAND, some(+) coarse Sand, slightly moist, moderately dense, poorly sorted	2.8
4	1632158	88		Top 1': As Above; 6": Grey, fine SAND, some(-) Silt, moderately dense; Bottom 6": Brown, fine SAND, some(+) coarse Sand, moist	5.1
	1632159	88		As Above; 1": Mottled layer at 7', wet	4.6
8	1632160	75		As Above	4.4
	1632161	75		As Above, mottled	13.2
12	1632162	100		Brown, fine SAND and coarse SAND, wet, loose	2.5
	1632163	100		Top 6": Brown, coarse SAND, some(-) fine Sand, wet, loose; Bottom 1.5': Olive grey, varved CLAY, dense	3.3
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips upon completion

Printed On: 2/9/1998

Boring No: SK-SB-182

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/17/97 **End Date** 04/17/97	**Boring ID** **SK-SB-183**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: B. Tomicic
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632164	83		Top 4": Concrete; Dark brown, fine SAND, trace(-) Silt, slightly moist, moderately dense	3.4
	1632165	83		Brown, fine SAND, trace(+) coarse Sand, slightly moist, moderately dense, poorly sorted, slightly rank odor	4.5
4	1632166	88		Top 12": Grey brown, fine SAND, some(+) coarse Sand, wet, loose, rank odor, Cobbles & Pebbles; Bottom 6": Brown, fine SAND, some(+) coarse Sand, wet, moderately dense, poorly sorted, 2" CLAY lense at 5'	2.3
	1632167	83		As Above, 2" mottled layer at 7'	4.5
8	1632168	88		As Above; loose	9.1
	1632169	88		As Above	8.5
12	1632170	75		As Above	3.1
	1632171	75		Olive grey, varved CLAY, dense	5.9
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips upon completion

Printed On: 2/9/1998

Boring N SK-SB-183

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/17/97
End Date 04/17/97

Boring ID SK-SB-184

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NM **At:** **Hours**
Depth: **At:** **Hours**

Logged By: B. Tomicic
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632172	83		Top 3": Bituminous concrete; 6": Red, coarse SAND, some(-) fine Sand, dry, loose, Cobbles; Bottom 7": Blackish brown, coarse SAND, trace(+) fine Sand, slightly moist, moderately dense, Cobbles, fibric organic matter	2.4
	1632173	83		Top 6": As Above; Bottom 18": Brown, fine SAND, trace(-) coarse Sand, slightly moist, moderately dense	4.2
4	1632174	100		Top 1': As Above; 4": Olive grey, SILTY CLAY, dense; 8": Brown, medium SAND, trace(-) coarse Sand, slightly moist, loose	2.8
	1632175	100		As Above, moist	4.2
8	1632176	62		As Above, wet	5.3
	1632177	62		As Above	39.2
12	1632178	100		Top 1': Grey, coarse SAND, some(+) medium Sand, wet, loose; Bottom 1': Reddish brown, medium SAND, some(-) coarse Sand, wet, loose	4.3
	1632179	100		Top 1': As Above; Bottom 1': Olive grey, varved CLAY, dense	3.9
16				Bottom of Boring at 16'	
20					
24					

Comments: Boring backfilled with bentonite chips upon completion

Printed On: 2/9/1998

Boring No: SK-SB-184

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/18/97 **End Date** 04/18/97	**Boring ID** **SK-SB-185**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Sweeton
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632181	95		0-2": Bituminous Pavement; 2-4": Process stone; 4-21": Dark brown, fine SAND, some Silt, little medium Sand, moist, loose	1.5
	1632182	95		0-4": As Above; 4-8": Dark grey, SILT, some fine Sand, organic matter, moist, dense; 8-22": Brown, fine SAND and medium SAND, moist, loose	60
4	1632185	91		0-2": Grey brown, fine SAND, trace Silt, moist, loose; 2-20" : Brown, fine SAND, trace medium Sand, moist, loose; 20-22: Brown, medium SAND, trace Silt, trace coarse Sand, moist, loose	150
	1632184	91		0-20": As Above	100
8	1632185	82		0-18": Brown, medium SAND, trace Silt, trace fine Sand, wet, loose	20
	1632186	82		0-18": Brown, medium SAND, some coarse Sand, trace fine Sand, wet, loose	10
12	1632187	100		0-22": Brown, medium SAND, trace fine Sand, wet, loose	4
	1632188	100		0-8": Red brown, coarse SAND, some medium Sand, wet, loose; 8-22": Grey, CLAY, trace fine to very fine Sand, trace Silt, varve, moist, dense	2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring N

K-SB-185

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/18/97 **End Date** 04/18/97	**Boring ID** **SK-SB-186**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Sweeton
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632189	86		0-2": Bit pave; 2-4": Process stone; 4-19": Dark brown, medium SAND, some fine Sand, trace organics, moist, loose	71000
	1632190	86		0-8": As Above; 8-11": Grey brown, fine SAND, some Silt, some organics, moist, dense; 11-19": Grey, medium SAND, trace fine Sand, moist, loose	71000
4	1632191	91		0-6": Grey, fine SAND, some medium Sand, moist, dense; 6-22" : Brown, medium SAND, trace fine Sand, wet, loose	100
	1632192	91		0-16": As Above; 16-20": Red brown, medium SAND, trace fine Sand, trace coarse Sand, wet, loose	70
8	1632193	91		0-20": Brown, medium SAND, some coarse Sand, trace fine Sand, wet, loose	80
	1632194	91		0-20": As Above	10
12	1632195	95		0-21": Red brown, medium SAND, some coarse Sand, trace fine Sand, wet, loose	2
	1632196	95		0-11": As Above; 11-21: Grey, CLAY, trace fine to very fine Sand, trace Silt, varve, moist, dense	2
16				Bottom of boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-186

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/18/97
End Date 04/18/97

Boring ID SK-SB-187

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Sweeton
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632197	82		0-2": Bit pav: 2-6": Process stone; 6-22": Dark brown, fine SAND, some medium Sand, trace coarse Sand, trace organic, trace Silt, moist, loose	0
	1632198	82		0-8": As Above; 8-12": Black brown, fine SAND, some organic, trace Silt, moist, loose; 12-18": Brown, medium SAND, some fine Sand, trace Silt, moist, loose	0
4	1632199	95		0-3": As Above; 3-6": Grey, SILT, some fine Sand, moist, dense; 6-9": Brown, SILT, some fine Sand, moist, dense; 9-21": Brown, fine SAND, some medium Sand, trace Silt, moist, loose	600
	1632200	95		0-21": Brown, medium SAND, trace fine Sand, trace coarse Sand, wet, loose	>1000
8	1632201	82		0-18": Brown, medium SAND, some coarse Sand, trace Silt, wet, loose	60
	1632202	82		0-10": As Above; 10-18": Red brown, medium SAND, some coarse Sand, wet, loose	80
12	1632203	100		0-14": Red brown, medium SAND, trace fine Sand, wet, loose; 14-22": Red brown, medium SAND, some coarse Sand, trace fine Sand, trace Gravel, wet, loose	2
	1632204	100		0-5": As Above; 5-22": Grey, CLAY, trace fine SAND, trace Silt, moist, dense	2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/12/1998

Boring N K-SB-187

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/21/97
End Date 04/21/97

Boring ID SK-SB-188

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632212	88		Top 2": Organic debris; Middle 12": Dark yellowish brown, SILT with fine Sand, dry, loose, little organic matter; Bottom 7": Reddish brown, fine SAND, moist, loose, trace organic matter	3.5
	1632213	88		Top 5": Same as above last 7", wet, loose, wet at top; Middle 8": Grey, SILT, moist, moderately dense, some organic matter; Bottom 8": Olive grey, fine to very fine SAND, moist, loose	450
4	1632214	75		Greyish brown, very fine to fine SAND (8") grading to fine SAND (10"), wet, loose, wet at top	3.0
	1632215	75		Greyish brown to yellowish brown, fine to medium SAND, wet, loose	7.4
8	1632216	58		As Above	15.0
	1632217 1632218	58		Top 7": Greyish brown, fine to very fine SANd, wet, loose; Bottom 7": Greyish brown, fine to medium SAND, wet, loose	18.0
12	1632219	100		Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose	75.0
	1632220	100		Top 6": Yellowish brown, medium SAND, wet, loose; Bottom 18" : Grey, varved CLAY, wet, loose	3.0
16				Bottom of boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-188

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/21/97 **End Date** 04/21/97	**Boring ID** **SK-SB-189**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632221	71		Dark yellowish brown to yellowish brown, fine SAND, little Silt, moist, loose, little organic matter, concrete pieces at 7" and 10-13"	3.2
	1632222	71		Top 5": Yellowish brown, fine SAND, wet, loose (wet at top); Bottom 11": Grey, SILT, moist, dense, black-staining top 4", Cobble at top	60.0
4	1632223	75		Top 8": Grey, SILT, some fine Sand, moist, moderately dense; Bottom 8": Grey, very fine to fine SAND, wet, loose	4.0
	1632224	75		Top 4": As Above last 8"; Bottom 14": Greyish brown, fine SAND, wet, loose	6.0
8	1632225	50		Top 10": Yellowish brown, fine SAND, little medium Sand, wet, loose; Bottom 2": Greyish brown, medium fine to very fine SAND	7.4
	1632226	50		Top 6": As Above last 2"; Bottom 6": Greyish brown, medium to fine SAND, wet, loose	11.0
12	1632227	100		Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose	3.2
	1632228	100		Top 4": As Above; Bottom 20": Grey, varved CLAY, wet, loose	4.4
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring N K-SB-189

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/21/97 **End Date** 04/21/97	**Boring ID** **SK-SB-190**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632229	92		Dark yellowish brown, SILT with fine SAND, little organic matter, dry, loose	20.0
	1632230	92		Dark brown, SILT with fine SAND, some organic matter, moist, loose, wet at bottom	>1000
4	1632231	92		Top 4": As Above, wet, loose; Middle 10": Grey, SILT, some fine Sand, wet, moderately dense; Bottom 8": Greyish brown, fine to very fine SAND	300
	1632232	92		Greyish brown, fine SAND, wet, loose	6.0
8	1632233	71		Top 4": Yellowish brown, fine to medium SAND, wet, loose; Bottom 13": Greyish brown, fine SAND, wet, loose	45.0
	1632234	71		Top 6": Greyish brown, fine to medium SAND; Bottom 11": Yellowish brown, medium to fine SAND, wet, loose	4.6
12	1632235	100		Greyish to yellowish brown, fine SAND, wet, loose	0
	1632236	100		Top 6": Greyish brown, fine to medium SAND, wet, loose; Bottom 18": Grey, varved CLAY, wet, loose	1.6
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-190

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/21/97
End Date 04/21/97

Boring ID SK-SB-191

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632237	71		Top 2": Bituminous asphalt; Next 3": Red, medium to fine SAND, trace(-) fine and coarse Gravel, dry, loose; Next 7": Yellowish brown, fine SAND, dry, loose; Bottom 5": dark brown, SILT, little fine Sand, little organic matter	180
	1632238	71		Top 11": Same as above last 5", moist, loose, wet at 11"; Bottom 6": Grey, SILT, moist, moderately dense	>1000
4	1632239	92		Top 8": Same as above last 6"; Bottom 14": Greyish brown, very fine to fine SAND, wet, loose	>1000
	1632240	92		Greyish brown, fine SAND (12") grading to (10") fine to medium SAND, wet, loose	100
8	1632241	75		Greyish to yellowish brown, fine SAND, wet, loose	23.0
	1632242	75		Greyish brown, fine to medium SAND, wet, loose	35.0
12	1632243	83		Yellowish brown, medium to fine SAND, wet, loose	1.6
	1632244	83		Top 15": Yellowish brown, fine to medium SAND, wet, loose; Bottom 5": Grey, varved CLAY, wet, loose	1.6
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/12/1998

Boring I SK-SB-191

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/22/97
End Date 04/22/97

Boring ID SK-SB-192

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632256	67		Top 5": Dark brown, SILT, little fine Sand, little organic matter, moist, loose; Bottom 11": Yellowish brown, fine SAND, moist, loose	4.5
	1632257			Top 6": Same as above last 11", moist, loose; Middle 2": Black, sapric organic matter with dark brown SILT, moist, loose; Bottom 8": Grey, SILT, trace fine Sand, moist, moderately dense	62
4	1632258	75		Top 5": Same as above last 8", wet at top; Bottom 13": Greyish brown, fine SAND, wet, loose	9.5
	1632259			Same as above last 13"	9.3
8	1632260	71		Yellowish brown, fine to medium SAND, wet, loose	8.0
	1632261 1632262			As Above, trace coarse SAND	5.8
12	1632263	100		Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose	4.2
	1632264			Top 5": As Above; Bottom 19": Grey, varved CLAY, wet, loose	2.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-192

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/22/97
End Date 04/22/97

Boring ID SK-SB-193

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: D. Brisson
Drilling Foreman: J. Trzaski
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632265	83		Top 4": Topsoil; Bottom 16": Brown, fine to very fine SAND and SILT, trace organic matter, wet, moderately dense	0
	1632266			Top 8": As Above with trace Gravel; Middle 8": Dark brown to black, very fine SAND and SILT, trace fine Sand, organic matter, moist, dense; Bottom 4": Light brown, fine SAND, wet, loose	50
4	1632267	83		Top 10": Grey, very fine SAND and SILT, trace fine Sand, moist, dense; Bottom 10": Dark grey, medium fine SANd, wet, loose	18
	1632268			Top 20": As Above; Bottom 10"	5
8	1632269	75		Top 5": As Above; Bottom 13": Grey, fine to very fine SAND, wet, loose	2
	1632270			18": Grey orange brown, medium to fine SANd, trace(-) coarse Sand, wet, loose	2
12	1632271	75		Top 8": As Above; Middle 4": Grey, medium to fine SAND, little coarse Sand, wet, loose; Bottom 4": Orange brown, coarse to fine SAND, wet, loose, iron staining ___	1.5
	1632272			18": Grey, CLAY, trace fine Sand, wet, dense, varved	0.5
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring ID SK-SB-193

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/22/97
End Date 04/22/97

Boring ID SK-SB-194

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632273	83		Top 4": Black bituminous asphalt; Middle 3": Red, medium SANd, little fine and coarse Gravel, trace fine Sand, dry, loose, Fill; Bottom 13": Dark brown, SILT and fine SAND, some organic matter, moist, loose	>1000
	1632274			Top 11": Same as above last 13": Middle 3": Black, sapric organic matter; Bottom 6": Grey, SILT, some fine Sand, moist, moderately dense	>1000
4	1632275	54		Top 10": Same as above last 6", wet at top; Bottom 3": Greyish brown, fine to very fine SANd, wet, loose	900
	1632276			Greyish brown, fine SAND, wet, loose	400
8	1632277	71		Orangish brown, fine to medium SAND, wet, loose	3.2
	1632278			Greyish brown, fine SANd (6") grading light olive brown fine to medium SAND (11"), wet, loose	3.4
12	1632279	100		Top 8": Yellowish brown, medium SAND, trce coarse Sand, wet, loose; Bottom 16": Yellowish brown, medium to fine SANd, wet, loose	0.7
	1632280			Top 8": Same as above last 16": Bottom 16": Grey, varved CLAY, wet, loose	2.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-194

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/23/97
End Date 04/23/97

Boring ID SK-SB-195

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632284	88		Top 3": Organic debris with Dark brown, very fine to fine SAND, Cobble at 4": Bottom 18": Dark yellowish brown, fine to very fine SAND, little organic matter, trace Silt, moist, loose	1.6
	1632285			Top 13": Pale brown, SILT, little organic matter, moist, loose; Bottom 8": Yellowish brown, fine SANd, wet, loose	0.8
4	1632286 1632287	83		Top 8": Grey, SILT with fine Sand, wet, moderately dense, loose; Middle 8": Greyish brown, fine to very fine SAND, wet, loose; Bottom 4": Greyish brown, fine SANd, wet, loose	2.8
	1632288			Same as above last 4"	2.3
8	1632289	58		Yellowish brown, fine SAND, trace medium Sand, wet, loose	2.6
	1632290			Yellowish brown, fine to medium SAND, wet, loose	4.8
12	1632291	96		Top 12": As Above; Bottom 13": Yellowish brown, fine SAND, little very fine Sand, wet, loose	3.5
	1632292			Top 18": Yellowish brown, fine SAND, trace medium Sand, wet, loose; Bottom 5": Grey, varved CLAY, wet, loose	3.6
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring 1 SK-SB-195

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv. **LEA Comm No:** 68V7056 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 04/23/97 **End Date** 04/23/97	**Boring ID** **SK-SB-196**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632293	83		Top 12": Red, medium to fine SAND, little fine to coarse Gravel, trace coarse Sand, dry, loose, Fill; Middle 2": Black, sapric organic matter; Bottom 6": Brownish yellow, SILT, little organic matter, moist, loose	3.5
	1632294			Top 14": Same as above last 6", grading to; Bottom 6": Yellowish brown, fine SANd, wet, loose	4.0
4	1632295	79		Top 12": Same as above last 6"; Bottom 7": Greyish brown, fine to very fine SAND, wet, loose	6.0
	1632296			Top 5": Grey, SILT, some fine Sand, wet, moderately dense; Bottom 14": Yellowish brown to greyish brown fine SAND, trace medium Sand, wet, loose	4.0
8	1632297	71		Greyish brown, fine SAND, trace medium Sanbd, trace very fine Sand, wet, loose	0
	1632298			Top 6": As Above; Bottom 11": Orangish brown, fine to medium SANd, wet, loose	0
12	1632299	75		Top 6": As Above; Bottom 12": Greyish brown, fine to very fine SAND, wet, loose	0
	1632300			Top 3": Same as last 12"; Middle 5": Yellowish brown, medium to fine SAND; Bottom 10": Grey, varved CLAY, wet, loose	0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-196

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/23/97
End Date 04/23/97

Boring ID SK-SB-197

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: D. Brisson
Drilling Foreman: J. Trzaski
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1632301	83		Top 4": Red brown, coarse to fine SAND and ___, moist, loose; Middle 3": Dark brown to black, trace fine SAND and SILT, trace organics, wet, dense; Bottom 13": Brown, fine to very fine SAND, trace(-) Silt, trace organics, wet, dense	60
	1632302			20": Light brown, fine SAND, trace(-) medium Sand, wet, trace organics, loose	15
4	1632303	50		12": Light brown, fine SAND, trace(-) medium Sand, wet, loose	15
	1632304			12": As Above	5
8	1632305	62		15": Grey, fine to medium SAND, wet, loose	4.2
	1632306			Top 8": Orange brown, fine to medium SAND, wet, loose; Middle 1": Black, fine to coarse SAND, wet, loose; Bottom 6" : Grey, fine SAND, trace(+) medium Sand, wet, loose	3.0
12	1632307	83		Top 10": Orange brown, fine to medium SAND, trace(+) coarse Sand, wet, loose; Bottom 10": Olive grey, fine SANd, wet, loose	3.5
	1632308			Top 6": Grey, orange brown, medium to fine SAND, trace(+) coarse Sand, wet, loose; Bottom 14": Grey, CLAY, trace fine to very fine Sand, varved, wet, dense	2.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring # SK-SB-197

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Storage Area Add. Inv.
LEA Comm No: 68V7056
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 04/23/97
End Date 04/23/97

Boring ID SK-SB-198

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	16324309	100		Top 4": Organic debris; Bottom 20": Dark yellowish brown, SILT and fine to very fine SAND, moist, loose, trace organic matter	9.0
	1632310			Top 14": Brownish yellow, SILT and fine to very fine SANd, wet, loose; Bottom 10": Dark brown, SILT and fine to very fine SAND, wet, loose	40
4	1632311	79		Top 4": Dark brown, SILT and very fine SAND, wet, loose; Middle 8": Grey, SILT, some fine to very fine Sand, wet, moderately dense; Bottom 7": Greyish brown, fine to very fine SAND, wet, loose	50
	1632312			Greyish brown, fine SANd, wet, loose	10
8	1632313	62		Top 6": Greyish brown, fine to coarse SAND, wet, loose; Bottom 9": Orangish brown, fine to medium SAND, wet, loose	3.8
	1632314			Top 4": Same as above last 9"; Middle 6": Greyish brown, fine SAND, wet, loose; Bottom 5": Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose	3.2
12				Bottom of Boring at 12' No Recovery Macro tube down hole	
16					
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-198

LEA
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100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles
LEA Comm No: 68V7069
Client: Pratt & Whitney
Location: East Hartford

Start Date 07/25/97
End Date 07/25/97

Boring ID SK-SB-199

Drilling Contractor: LEA95
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: B. Tomicic
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 4500
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639065	62		Top 2": COBBLES, brown, fine SAND, some(-) medium Sand, loose	0.0
	1639066 1639067			Top 3": Black, fine SAND, trace(+) medium Sand, loose, poorly sorted, brown, fine Sand, medium Sand, loose	0.0 0.0
4	1639068	75		As Above; mottled at bottom	0.0
	1639069			Grey, brown, medium SAND and fine Sand, moist, loose, poorly sorted	0.0
8	1639070	75		As Above; wet	0.0
	1639071			As Above; light brown	0.0
12	1639072	100		Top 14": As Above; Bottom 10": Olive-grey, varved CLAY, dense	0.0
	1639073			As Above	0.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 9/11/1997

Boring No: SK-SB-199

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles **LEA Comm No:** 68V7069 **Client:** Pratt & Whitney **Location:** East Hartford	**Start Date** 07/25/97 **End Date** 07/25/97	**Boring ID** **SK-SB-200**

Drilling Contractor: LEA95
Drilling Method: Geoprobe
Sampling Method: Large Bore
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: B. Tomicic
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 4500
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639074	75		Top 4": Organic matter and COBBLES, Bottom 14": Brown/ black, fine SAND, trace (-) medium Sand, dry, loose, poorly sorted	0.0
	1639075	62		Top 8": As Above; brown, fine SAND, some(-) Silt, moderately dense; Bottom 2": mottled	0.0
4	1639076	71		Brown, fine SAND, trace(-) Silt, loose, poorly sorted	0.0
	1639077	71		Top 4": As above; moist, brown/grey, fine SAND, some(+) medium Sand, wet, poorly sorted	0.0
8	1639078	75		As Above	0.0
	1639079	79		As Above	0.0
12	1639080	96		Top 19": As Above; Bottom 4": Olive-grey, varved CLAY, dense	0.0
				Bottom of Boring 14'	
16					
20					
24					

Comments: Large bore sampling method only allowed for ? sample recovery (1/2" diameter), only (jar packed with no headspace for VOC analysis.

Printed On: 9/11/1997

Boring No: SK-SB-200

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles **LEA Comm No:** 68V7069 **Client:** Pratt & Whitney **Location:** East Hartford	**Start Date** 07/28/97 **End Date** 07/28/97	**Boring ID** **SK-SB-201**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours** ▽
Depth: **At:** **Hours** ▼

Logged By: B. Tomicic
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639081 1639082	75		Top 2": Process stone, coarse GRAVEL, trace fine Gravel; Bottom 34": Yellowish brown to light yellowish brown, fine SAND, trace medium Sand, trace Silt, dry to slightly moist, loose	0.0 0.0
4	1639083 1639084 1639085	54	1	Top 5": Yellowish brown, fine to very fine SAND, trace Silt, slightly moist, loose; Middle 4": Light yellowish brown, fine to medium SAND, slightly moist, loose; Bottom 11": Same as top 5": moist, loose	0.0 0.0
8	1639086 1639087	42		Top 6": Dark brown, SILT, trace organic matter, wet, loose; Bottom 14": Greyish brown to grey, SILT, little fine Sand, wet, loose; trace organic matter	0.0 0.0
12	1639088 1639089	88		Top 8": Yellowish brown, fine SAND, trace medium Sand, trace organic matter, wet, loose; Middle 22": Greyish brown, fine(+) to very fine Sand, wet, loose; Bottom 12": Yellowish brown, fine to coarse SAND, wet, loose	0.0 0.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 11/14/1997

Boring N

K-SB-201

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles
LEA Comm No: 68V7069
Client: Pratt & Whitney
Location: East Hartford

Start Date 07/28/97
End Date 07/28/97

Boring ID SK-SB-202

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639091	67		Top 3": Organic debris; Bottom 29": Yellowish brown to strong brown, fine SAND, trace Silt, trace medium Sand, dry to slightly moist, loose, trace process stone, fine and coarse Gravel top 5"	2.0
	1639092				2.0
4	1639093	58		Top 23": Strong brown, fine(+) to very fine SAND, trace Silt, trace medium Sand, slightly moist to moist, loose	1.5
	1639094				1.5
8	1639095	75		Top 5": Yellowish brown, fine to medium SAND, trace Silt, moist, loose; Next 4": Reddish brown, fine to very fine SAND, moist, loose; Next 12": Light yellowish brown, fine SAND, trace medium Sand, moist to wet, loose; Bottom 15": Yellowish brown, fine SAND, trace medium Sand, wet, loose	1.1
	1639096				0.9
12	1639097	67		Top 22": Brown, fine to very fine SAND, wet, lo9ose; Bottom 10": Brown, fine(+) to medium SAND, trace coarse Sand, wet, loose	4.5
	1639098				4.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 11/14/1997

Boring No: SK-SB-202

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GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles
LEA Comm No: 68V7069
Client: Pratt & Whitney
Location: East Hartford

Start Date 07/28/97
End Date 07/28/97

Boring ID SK-SB-203

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639099	67		Top 5": Brown, fine SAND, trace Silt with fine and coarse process stone Gravel, little organic matter; Bottom 27"; Brown, fine to very fine SAND, trace Silt, trace medium Sand, dry to slightly moist, loose to moderately dense	10.5
	1639100				2.1
4	1639101	75		Brown, fine to very fine SAND, trace to little Silt, slightly moist to moist, loose to moderately dense, occasional black staining at 12-16", orange modeling t 24-36'	3.6
	1639102				1.3
8	1639103	62		Yellowish brown to greyish brown, fine to medium SAND grading to fine to medium SAND, trace coarse Sand, moist to wet, loose	9.0
	1639104				7.,6
12	1639105	67		Top 6": Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose; Bottom 26": Brown to light olive3 brown, fine to very fine SAND, wet, loose, micaceous	5.0
	1639106				4.1
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 11/14/1997

Boring N

K-SB-203

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GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles **LEA Comm No:** 68V7069 **Client:** Pratt & Whitney **Location:** East Hartford	**Start Date** 07/28/97 **End Date** 07/28/97	**Boring ID** **SK-SB-204**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639107	75		Top 6": Brown, fine to medium SAND, trace Silt, trace process stone, fine and coarse Gravel, trace organic matter, dry, loose; Bottom 30": Yellowish brown, fine SAND, trace Silt, trace medium Sand, slightly moist, loose	3.0
	1639108				2.4
4	1639109	58		Top 8": Same as above last 30"; Bottom 20": Strong brown, fine to medium SAND, moist, loose	1.6
	1639110				1.9
8	1639111	79		Top 4": Same as above last 20"; Next 6": Reddish brown, fine to very fine SAND, moist, loose; Next 8": Yellowish brown, fine SAND, trace medium Sand, moist, loose; Next 4": Grey, SILT, trace fine to very fine Sand, moist, loose; Bottom 16": Greyish brown, fine to medium SAND, trace coarse Sand, wet, loose	3.2
	1639112				1.9
12	1639113	79		Yellowish brown, fine(+) to medium SAND, trace coarse Sand, wet, loose	2.3
	1639114				4.6
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 11/14/1997

Boring No: SK-SB-204

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GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles **LEA Comm No:** 68V7069 **Client:** Pratt & Whitney **Location:** East Hartford	**Start Date** 07/23/97 **End Date** 07/23/97	**Boring ID** **SK-SB-205**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639033 1639034 1639035	88		Top 2": Organic debris; Middle 5": Yellowish brown, SILT with fine to very fine Sand, some organic matter, dry, loose; Bottom 35": Brownish yellow to pale brown, fine to very fine SAND, trace Silt, dry to slightly moist, loose, trace organic matter	25.3 23.2
4	1639036 1639037	88		Top 4": Same as above last 35"; Next 5": Light yellowish brown, fine SAND, trace medium Sand, moist, loose; Next 3": Same as top 4"; Bottom 30": Light yellowish brown to yellowish brown, fine to medium SAND, trace coarse Sand, moist to wet, loose, wet at 7'	
8	1639038 1639039	75		Top 24": Yellowish brown, fine(+) to medium SAND, trace(-) coarse Sand, wet, loose; Bottom 12": Yellowish brown, medium to fine SAND, coarse Sand, wet, loose	
12	1639040	71		Top 7": Yellowish brown, fine to medium SAND, trace(-) coarse Sand, wet, loose; Bottom 27": Grey, CLAY, little brown, fine to very fine Sand and Silt, wet, loose, thinly laminated	
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 11/14/1997

Boring N: K-SB-205

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GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles
LEA Comm No: 68V7069
Client: Pratt & Whitney
Location: East Hartford

Start Date 07/23/97
End Date 07/23/97

Boring ID SK-SB-206

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hour**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639042 1639043	92		Top 2": Brown, fine SAND, little organic matter, dry, loose; Middle 38": Brown to reddish brown, fine SAND, little medium Sand, trace coarse Sand, trace, fine and coarse Gravel, dry to slightly moist, moderately dense; Bottom 4": Light yellowish brown, fine(+) to medium SAND, slightly moist, loose; Last 2": Black bituminous asphalt	
4	1639044 1639045	88		Top 14": Brown, fine SAND, trace medium Sand, trace Silt, moist, loose; Next 12": Dark brown to black, SILT, little organic matter, moist, dense; Next 2": Brownish yellow, SILT with very fine Sand; Bottom 14": Grey, SILT, trace fine Sand, wet, moderately dense	
8	1639046 1639047	79		Brown to yellowish brown, fine SAND, trace medium Sand, wet, loose, slight iron staining throughout	
12	1639048 1639049	96		Top 12": Orange brown, fine to coarse SAND, trace pea-size Gravel, wet, loose, iron staining throughout; Next 10": Light olive brown, fine to medium SAND, trace coarse Sand, wet, loose; Bottom 24": Grey, CLAY, trace Silt and fine Sand, wet, loose, thinly laminated	
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 11/14/1997

Boring No: SK-SB-206

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GEOLOGIC BORING LOG

DRAFT

Project: X-307 Add. Inv. Rubble Piles **LEA Comm No:** 68V7069 **Client:** Pratt & Whitney **Location:** East Hartford	**Start Date** 07/23/97 **End Date** 07/23/97	**Boring ID** **SK-SB-207**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Prim. Grain Size, Sec. Grain Sizes, Moist, Sort, Spher, Angul, Sed Struct, Density, Cohesive	PID/FID (ppm)
0	1639050 1639051	92		Top 22": Brown fine SAND, some Silt, trace coarse Sand, trace asphalt pieces, dry to slightly moist, moderately dense	
4	1639052 1639053	83		Top 6": Same as above last 22"; Middle 3": Reddish brown, very fine SAND, moist, loose; Bottom 31": Light yellowish brown to yellowish brown, fine SAND, trace medium Sand, moist to wet, loose, wet at 7'	
8	1639054 1639055	75		Top 20": Yellowish brown, fine to medium SAND, wet, loose; Bottom 16": Light yellowish brown, fine to medium SAND, wet, loose, micaceous	
12	1639056 1639057	92		Top 8": Brown, fine(+) to very fine SAND, wet, loose, micaceous; Bottom 36": Grey, CLAY, trace brown Silt and very fine Sand, wet, loose, thinly laminated	
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 11/14/1997

Boring N

K-SB-207

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GEOLOGIC BORING LOG

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7070
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 07/30/97
End Date 07/30/97

Boring ID SK-SB-208

DRAFT

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1639663 1639664	88		Punched thru 5" Asphalt; Top 5": Brown, fine to medium SAND, some process stone, fine and coarse Gravel, little asphalt pieces, dry, loose; Bottom 37": Yellowish brown, fine SAND, trace Silt, trace medium Sand, dry to moist, loose; wet at bottom	2.7 2.5
4	1639665 1639666	54		Top 6": Greyish brown, fine SAND, trace medium Sand, wet, loose; Middle 8": Grey, SILT, with very fine to fine Sand, wet, moderately dense; Bottom 12": Same as top 6", trace Silt	3.2 2.8
8	1639667 1639668 1639669	83		Top 8": As Above, last 12"; Middle 12": Grey to greyish brown, fine to very fine SAND, wet, loose; Bottom 20": Greyish brown to yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose	3.0 4.0
12	1639670 1639671	92		Top 5": As Above, last 20": Next 10": Light olive brown, fine to very SAND, wet, loose; Next 10": Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose; Bottom 19": Grey, CLAY, trace very fine Sand and Silt, wet, moderately dense, thinly laminated	1.1 1.3
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 1/26/1998

Boring No: SK-SB-208

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7070
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 07/30/97
End Date 07/30/97

Boring ID SK-SB-209

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours ▽
Depth: At: Hours ▽

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1639672 1639673	62		Top 5": Brown, fine SAND, little Silt, trace medium and coarse Sand, trace organic matter, dry, loose; Bottom 25": Yellowish brown, fine SAND, trace coarse Sand, trace medium Sand, trace bituminous asphalt (top 8" of 25" interval) dry to moist, loose	2.4 2.0
4	1639674 1639674	62		Top 14": Yellowish brown to greyish brown, fine SAND, trace Silt, trace medium Sand, moist to wet, loose (wet at 6"); Middle 4": Grey, SILT, with very fine to fine SAND; Bottom 12": Greyish brown, fine SAND, trace Silt, trace medium Sand, wet, loose	3.0 3.4
8	1639676 1639677	100		Top 6": Dark brown and black-stained, fine SAND, trace Silt, trace medium Sand, trace organic matter, wet, loose; Next 16": Greyish brown, fine SAND, trace medium Sand, wet, loose; Next 12": Greyish brown, fine to very fine SAND, wet, loose; Bottom 14": Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose	3.0 2.8
12	1639678 1639679	75		Top 10": Light olive brown, fine to very fine SAND, wet, loose; Middle 18": Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose; Bottom 8": Grey, CLAY, trace brown, fine to very fine Sand, wet, moderately dense, thinly laminated	1.4 1.5
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 1/26/1998

Boring No SK-SB-209

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7070 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 07/30/97 **End Date** 07/30/97	**Boring ID** **SK-SB-210**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1639680	75		Top 6": Brown, fine SAND, little Silt, trace coarse Sand, trace concrete pieces, trace organic matter, dry, loose; Bottom 30": Yellowish brown, fine SAND, trace medium Sand, trace(-) Silt, dry to moist, loose	1.7
	1639681				1.4
4	1639682	75		Top 26": Yellowish brown, fine SAND, trace medium Sand, moist to wet, loose, wet at 10"; Middle 4": Grey, SILT, with fine and very fine Sand, wet, moderately dense; Bottom 6": Greyish brown, fine SAND, trace Silt, trace medium Sand, wet, loose	2.2
	1639683				1.8
8	1639684	96		Top 29": Yellowish brown to greyish brown, fine SAND, trace(-) medium Sand, wet, loose; Middle 5": Grey, fine to very fine SAND, wet, loose; Bottom 12": Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose	1.6
	1639685				1.5
12	1639686	83		Top 20": Light olive brown, fine to very fine SAND, wet, loose; Middle 12": Yellowish brown, medium to fine SAND, trace coarse Sand, wet, loose; Bottom 8": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, moderately dense, thinly laminated	1.1
	1639687				1.5
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 1/26/1998

Boring No: SK-SB-210

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv.
LEA Comm No: 68V7070
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/01/97
End Date 08/01/97

Boring ID SK-SB-211

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1639698	79		Top 6": Process stone, fine and coarse GRAVEL, little bituminous asphalt; Bottom 32": Yellowish brown, fine SAND, trace Silt, trace medium Sand, dry to slightly moist, loose; slight coarsening downward	3.2
	1639699				3.4
4	1639700	67		Top 16": As Above, Greyish brown, moist to wet; Middle 6": Grey, SILT, with fine to very fine Sand, wet, moderately dense; Bottom 10": Same as top 16", wet	2.2
	1639701				1.6
8	1639702	75		Greyish brown to yellowish brown, fine to medium SAND, wet, loose	1.8
	1639703 1639704				2.0
12	1639705	79		Top 30": Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose; Bottom 8": Grey, CLAY, little fine to very fine Sand and Silt, wet, dense, thinly laminated	1.4
	1639706				1.6
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 1/26/1998

Boring N SK-SB-211

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7070 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/01/97 **End Date** 08/01/97	**Boring ID** **SK-SB-212**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours** ▽
Depth: **At:** **Hours** ▽

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1638707 1639708	67		Top 5": Process stone, fine and coarse GRAVEL, little bituminous asphalt; Bottom 27": Strong brown to yellowish brown, fine SAND, trace silt, trace medium Sand, dry to slightly moist, loose; slight coarsening downward	2.0 2.1
4	1639709 1639710	58		Top 18": Yellowish brown to greyish brown, fine SAND, trace medium Sand, moist to wet, loose; Middle 5": Grey, SILT, with fine to very fine Sand, wet, moderately dense; Bottom 5": Greyish brown, fine(+) to very fine SAND, wet, loose	1.6 1.5
8	1639711 1639712	83		Top 12": Greyish brown, fine SAND, trace medium Sand, wet, loose; Middle 12": Greyish brown to grey, fine to very fine SAND, wet, loose; Bottom 16": Yellowish brown to greyish brown, fine to medium SAND, trace coarse Sand, wet, loose	2.1 1.6
12	1639713 1639714	88		Top 14": Light olive brown, fine(+) to very fine SAND, wet, loose; Middle 18": Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose, slight coarsening downward; Bottom 10": Grey, CLAY, little fine to very fine Sand, wet, dense, thinly laminated	1.5 0.8
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 1/28/1998

Boring No: SK-SB-212

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GEOLOGIC BORING LOG

DRAFT

Project: Cryogenics Area Add. Inv. **LEA Comm No:** 68V7070 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/01/97 **End Date** 08/01/97	**Boring ID** **SK-SB-213**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: NR **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1639715 1639716	71		Top 4": Dark yellowish brown, SILT, trace fine Sand, trace organic matter, slightly moist, moderately dense; Bottom 26" : Yellowish brown to reddish brown, fine SAND, trace medium Sand, trace coarse Sand, slightly moist, loose, Cobble at 30"	2.4 2.0
4	1639717 1639718	58		Top 14": Yellowish brown, fine SAND, moist to wet, loose; Next 3": Reddish brown, fine to very fine SAND, wet, loose; Next 3": Grey, SILT, with fine to very fine Sand, wet, moderately dense; Bottom 8": Greyish brown, fine SAND, wet, loose	1.5 1.3
8	1639719 1639720	75		Top 26": Greyish brown, fine SAND, trace medium Sand, wet, loose; Middle 6": Grey to greyish brown, fine to very fine SAND, wet, loose; Bottom 4": Same as top 26"	1.5 2.0
12	1639721 1639722	83		Top 6": Light olive brown, fine to very fine SAND, wet, loose; Middle 24": Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose; Bottom 10": Grey, CLAY, trace fine and very fine Sand, wet, dense, thinly laminated	1.7 0.7
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 1/26/1998

Boring No: SK-SB-213

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv. **LEA Comm No:** 68V7087 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/06/97 **End Date** 08/06/97	**Boring ID** **SK-SB-214**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640122 1640123	75		Top 4": Asphalt pieces; Bottom 32": Yellowish brown to reddish brown, fine to medium SAND, trace coarse Sand, little fine and coarse Gravel (bottom 14"), slightly moist to moist, loose to moderately dense	1.0 1.4
4	1640124 1640125 1640126	83		Top 30": Yellowish brown to greyish brown, fine SAND, trace Silt, trace medium Sand, moist to wet, loose, wet at 20"; Bottom 10": Greyish brown, fine to medium SAND, trace coarse Sand, wet, loose	2.0 1.9
8	1640127 1640128	62		Top 18": Greyish brown to yellowish brown, fine(+) to medium SAND, wet, loose; Bottom 12": Yellowish brown, fine to medium SAND, trace(+) coarse Sand, wet, loose	1.3 1.3
12	1640129 1640130	79		Top 16": Same as above last 12", trace(-) coarse Sand; Bottom 22": Grey, CLAY, trace brown fine and very fine Sand and Silt, wet, moderately dense, thinly laminated	0.9 1.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/10/1998

Boring No: SK-SB-214

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv. **LEA Comm No:** 68V7087 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/06/97 **End Date** 08/06/97	**Boring ID** **SK-SB-215**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640131 1640132	88		Top 5": Grey, fine SAND, with bituminous asphalt, trace Silt, trace organic matter; Bottom 37": Reddish brown, fine to medium SAND, some fine and coarse Gravel, little coarse Sand, slightly moist to moist, moderately dense, Fill	1.3 1.4
4	1640133 1640134	79		Top 27": Gey, fine to very fine SAND, trace Silt, trace(-) organic matter, moist to wet, dense to loose, wet at 25"; Middle 5": Reddish brown, very fine SAND, wet, loose; Bottom 7": Greyish brown, fine SAND, trace medium Sand, wet, loose	1.6 1.3
8	1640135 1340136	71		Greyish brown to yellowish brown, fine to medium SAND, trace(-) coarse Sand, wet, loose, slight coarsening downward, slight black staining at 20-34"	1.1 1.0
12	1640137 1640138	71		Top 8": Yellowish brown, fine to coarse SAND, wet, loose; Middle 12": Yellowish brown, fine SAND, trace medium Sand, wet, loose, micaceous; Bottom 14": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, moderately dense, thinly laminated	1.0 0.9
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/10/1998

Boring N K-SB-215

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv.
LEA Comm No: 68V7087
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/06/97
End Date 08/06/97

Boring ID SK-SB-216

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640139	88		Top 14": Yellowish brown, fine SAND, trace medium Sand, trace Silt, trace organic matter, slightly moist, loose; Bottom 28" Reddish brown, fine to medium SAND, some fine and coarse Gravel, little coarse Sand, slightly moist to moist, moderately dense, Fill	1.7
	1640140				1.8
4	1640141	62		Same as above, last 28", moist to wet, wet at 20"	1.5
	1640142				1.8
8	1640143	79		Top 8": Greyish brown, fine to medium SAND, trace(-) coarse Sand, wet, loose; Middle 20": Light olive brown, very fine SAND, wet, loose; Bottom 10": Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose	1.9
	1640144				1.6
12	1640145	71		Top 17": Yellowish brown, fine to coarse SAND, wet, loose; Bottom 17": Grey CLAY, trace brown, fine to very fine Sand and Silt, wet, moderately dense, thinly laminated	1.1
	1640146				1.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/10/1998

Boring No: SK-SB-216

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv. **LEA Comm No:** 68V7087 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/07/97 **End Date** 08/07/97	**Boring ID** **SK-SB-217**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: 5.2 **At:** 0 **Hours**
Depth: **At:** **Hours**

Logged By: F. Postma
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640162	90		Top 2': Brownish yellow, fine SAND, moist, loose; Bottom 0.7': Red, fine SAND, little coarse Sand, little medium Sand, trace fine Gravel, moist, moderately dense	7.8
	1640163			Red to reddish brown, fine SAND, little coarse Sand, little medium Sand, trace fine Gravel, moist, moderately dense, petroleum(?) odor	18.7
4	1640164	80		Top 6": As Above; 4.6-5.2': Olive, SILT, some fine Sand, moist, moderately dense, 5.2-7.0': Light olive brown, medium SAND, some fine Sand, trace coarse Sand, loose, wet	9.4
	1640165			As Above	9.7
8	1640166	90		As Above	7.0
	1640167			Brown to olive brown, fine SAND, trace medium Sand, wet, moderately dense, stratified	11.0
12	1640168	80		Top 1': As Above, mottles at 12.8-13.1; Bottom 0.8': Olive-brown to grey, CLAY, trace Silt, wet, loose, fine Sand lenses	4.6
	1640169			As Above	4.7
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/10/1998

Boring N

K-SB-217

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv.
LEA Comm No: 68V7087
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/07/97
End Date 08/07/97

Boring ID SK-SB-218

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: 5.1 **At:** 0 **Hours**
Depth: **At:** **Hours**

Logged By: F. Postma
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640170	90		Top 6": Yellow, fine SAND, moist, loose; Bottom 1.4': Red to reddish yellow, medium SAND, some coarse Sand, little fine Gravel, little fine Sand, moist, moderately dense, angular, brick fragments	10.5
	1640171 1640172	90		As Above	11
4	1640173	90		Top 8": As Above; Bottom 1.1': Olive brown, fine SAND, little medium Sand, wet, loose	16.5
	1640174	90		As Above	5.5
8	1640175	80		As Above, Mottles at 9.6'	12.8
	1640176	80		As Above	12.1
12	1640177	40		As Above	14.5
	1640178	40		Olive brown to grey, CLAY, wet, loose, rhythmites, fine Sand lenses	16.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/10/1998

Boring No: SK-SB-218

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv.
LEA Comm No: 68V7087
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/07/97
End Date 08/07/97

Boring ID SK-SB-219

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: 5.5 **At:** 0 **Hours**
Depth: **At:** **Hours**

Logged By: F. Postma
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640179	60		Yellowish brown, fine SAND, little medium Sand, moist, loose	17.2
	1640180	60		Red to brownish red, medium SAND, with fine Sand, trace coarse Sand, trace(-) fine Sand, moist, dense	17.3
4	1640181	80		Top 6": As Above; Bottom 1.1': Olive brown to brown, fine SAND, some medium Sand, trace coarse Sand, wet, loose, stratified, mottles, petroleum(?) odor	5.4
	1640182	80		As Above, petroleum(?) odor	215
8	1640183	70		Brown to light brown, fine SAND, with medium Sand, trace coarse Sand, loose, wet, stratified	23.1
	1640184	70		As Above	15.8
12	1640185	90		Yellowish brown, medium SAND, some coarse Sand, little fine Sand, wet, loose, stratified, subangular grains	10.9
	1640186	90		Top 1.2': As Above; Bottom 0.7': Reddish brown to grey, CLAY, trace Silt, trace(-) fine Sand, wet, loose, rhythmites, fine Sand lenses	7.8
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/10/1998

Boring N. K-SB-219

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv.
LEA Comm No: 68V7087
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/07/97
End Date 08/07/97

Boring ID SK-SB-220

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: 2 **At:** 0 **Hours**
Depth: **At:** **Hours**

Logged By: F. Postma
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640187	90		Brown, medium SAND, some fine Sand, moist, loose, subangular	9.4
	1640188	90		Reddish brown to brown, fine SAND, with medium Sand, wet, loose	9.5
4	1640189	60		Brown to olive black, medium SAND, some fine Sand, trace(-) Silt, wet, loose, sapric organic matter, Hydrogen Sulfide odor	7.2
	1640190	60		Light brown to reddish brown, medium SAND, little coarse Sand, little fine Sand, wet, loose, stratified	5.5
8	1640191	70		Reddish brown, medium SAND, some coarse Sand, trace fine Sand, wet, loose	27.0
	1640192	70		Light brown to olive brown, fine SAND, trace medium Sand, wet, moderately dense	12.9
12	1640193	90		Reddish yellow, medium SAND, little coarse Sand, trace(+) fine Sand, wet, loose, subangular	9.6
	1640194	90		Top 8": As Above; Bottom 1': Olive to grey, CLAY, fine to coarse Silt, trace fine Sand, wet, loose, rhythmites, fine Sand lenses	11.6
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/10/1998

Boring No: SK-SB-220

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv. **LEA Comm No:** 68V7087 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/08/97 **End Date** 08/08/97	**Boring ID** **SK-SB-221**

Drilling Contractor: LEA
Drilling Method: Macro Core
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours** ▽
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640201 1640202	75		Drilled through 4" concrete; Top 2": Concrete debris; Middle 6": Dusky-red, fine to coarse SAND, trace fine and coarse Gravel, trace Silt, dry, loose; Bottom 28": Yellowish-brown, fine to medium SAND, trace Silt, slightly moist to moist, loose	2.2 2.6
4	1640203 1640204 1640205	83		Top 8": Sames as last 28"; Bottom 32": Red, fine to coarse SAND, some fine and coarse Gravel, trace Silt, Cobble at 16", wet top 8", slightly moist bottom 24", moderately dense, yellow brick material at 16"	2.8 5.9
8	1640206 1640207	83		Top 18"; As Above last 32", Next 8" yellowish-brown, wet bottom 10"; Bottom 12": Concrete	2.6 3.2
12				Refusal at 11.5'	
16					
20					
24					

Comments:

Printed On: 2/10/1998

Boring N

K-SB-221

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Gas Add. Inv. **LEA Comm No:** 68V7087 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/08/97 **End Date** 08/08/97	**Boring ID** **SK-SB-222**

Drilling Contractor: LEA
Drilling Method: Macro Core DP
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1690210	71		Punched through 3" Asphalt; Top 30": Yellowish-brown, fine to medium SAND, trace Asphalt pieces, little coarse Sand, trace Silt, slightly moist to moist, loose; Bottom 4": Dusky-red, fine to coarse SAND, little fine and coarse Gravel, trace Silt, moist, loose	4.1
	1690211				3.7
4	1690212	58		Top 26": As Above last 4", moist to wet, moderately dense, wet at 5"; Bottom 2": Concrete, strong petroleum(?) odor	3.6
	1690213				200
8				Refusal at 8'	
12					
16					
20					
24					

Comments:

Printed On: 2/10/1998

Boring No: SK-SB-222

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. **LEA Comm No:** 68V7087 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/11/97 **End Date** 08/11/97	**Boring ID** **SK-SB-224**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640232 1640233	83		Drilled through 4" Concrete; Top 6": Concrete pieces and debris; Bottom 34": Dark yellowish-brown, fine SAND, little medium Sand, trace Silt, trace coarse Sand, slightly moist, loose, reddish-brown Cobble at 20", coal pieces at bottom 6"	NR NR
4	1640234 1640235 1640236	83		Top 4": Same as last 34"; Bottom 36"; Red to reddish-brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, wet from 6-14", slightly moist, 14-36", moderately dense	NR NR NR
8	1640237 1640238	83		Top 20": Same as last 36"; next 4": Brown, fine(+) to medium SAND, wet, loose; next 8": Greyish-brown, fine to very fine SAND, trace Silt, wet, loose; Bottom 8": Brown, fine SAND, little medium Sand, wet, loose	NR NR
12	1640239 1640240	71		Top 32": Dark yellowish-brown, fine to very fine SAND, trace Silt, wet, loose; Bottom 2": Yellowish-brown, fine to coarse SAND, trace Silt, wet, loose	NR NR
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/2/1998

Boring N K-SB-224

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv.
LEA Comm No: 68V7087
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/11/97
End Date 08/11/97

Boring ID SK-SB-225

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640241	100		Drilled through 4" Concrete; Top 4": Concrete pieces and debris; Next 8": Reddish-brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, dry, loose; Bottom 36": Yellowish-brown, fine SAND, little medium Sand, trace coarse Sand, trace, fine and coarse Gravel, dry to slightly moist, loose	NR
	1640242	100			NR
4	1640243	71		Top 6": ;Yellowish-brown, fine to medium SAND, trace coarse Sand, trace Silt, moist to wet, loose; Bottom 28": Reddish-brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, wet; Top 8": Slightly moist; Bottom 20": moderately dense	NR
	1640244	71			NR
8	1640245	88		Top 10": Same as last 28", brown Quartz, Cobble at 6"; Next 20": Greyish-brown, fine SAND, little medium Sand, trace Silt, wet, loose; Next 6": Grey, fine to very fine SAND, trace Silt; Bottom 5": Yellowish-brown, fine SAND(-), trace fibric organic matter, wet, loose, micaceous	NR
	1640246	88			NR
12				Refusal at 12'	
16					
20					
24					

Comments:

Printed On: 2/2/1998

Boring No: SK-SB-225

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. **LEA Comm No:** 68V7087 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/11/97 **End Date** 08/11/97	**Boring ID** **SK-SB-226**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640249 1640250	100		Drilled through 3" Concrete; Top 2": Concrete pieces and debris; Middle 10": Reddish-brown, fine to medium SAND, little fine and coarse Gravel, trace coarse Sand, trace Silt, dry, loose; Bottom 36": Yellowish-brown, fine SAND, little medium Sand, trace coarse Sand, trace, fine and coarse Gravel, slightly moist, loose to medium dense	NR
4	1640251 1640253	67		Top 8": Same as last 36", wet, loose; Bottom 24": Reddish-brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, wet; Top 12": moist; Bottom 12": moderately dense	NR NR
8	1640254 1640255	71		Top 10": Same as last 24"; Bottom 24": Greyish-brown, fine(+) to very fine SAND, trace medium Sand, trace Silt, moist to wet, loose, wet at 14"; slightly finning downward, slightly petroleum(?) odor at bottom	NR NR
12				Refusal at 12'	
16					
20					
24					

Comments:

Printed On: 2/2/1998

Boring ID SK-SB-226

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GEOLOGIC BORING LOG

DRAFT

Project: Linda Area Add. Inv. Drum **LEA Comm No:** 68V7088 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/12/97 **End Date** 08/12/97	**Boring ID** **SK-SB-227**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640379 1640380	96		Top 12": Yellowish brown, fine SAND, little Silt, trace fibric organic matter, dry, loose; Bottom 34": Yellowish brown, fine SAND, trace medium Sand, trace Silt, dry to slightly moist, loose	0 0
4	1640381 1640382 1640383	88		Top 10": As above last 34": Middle 20": Light yellowish brown, fine SAND, trace medium Sand, trace Silt, moist, loose; Bottom 12": Dark yellowish brown, fine to medium SAND, trace Silt, wet, loose	0 0
8	1640384 1640385	83		Top 16": Dark yellowish brown, fine(+) to medium SAND, trace coarse Sand, trace Silt, wet, loose; Middle 16": Grey, fine to very fine SAND, little Silt, wet, loose; Bottom 8": Same as top 16"	60.0 10.0
12	1640386 1640387	88		Top 16": Yellowish brown, fine to coarse SAND, trace pea size Sand, trace Silt, wet, loose; Bottom 26": Grey, CLAY, little brown, fine to very fine Sand and Silt, wet to moist, moderately dense, varved	0 0
16				Bottom of Borinbg at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-227

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: Linda Area Add. Inv. Drum
LEA Comm No: 68V7088
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/12/97
End Date 08/12/97

Boring ID SK-SB-228

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640388 1640389	62		Top 5": Brown, SILT with fine Sand, some fibric organic matter, dry, loose; Middle 14": Reddish brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, dry, loose, Fill, 1/2" asphalt layer at bottom; Bottom 11": Brown, fine SAND, trace medium Sand, little Silt, slightly moist, loose	0 0
4	1640390 1640391	75		Top 20": Yellowish brown, fine SAND, trace Silt, trace medium Sand, slightly moist to moist, loose; Bottom 16": Dark yellowish brown, fine(+) to medium SANBD, wet, loose	0 3.0
8	1640392 1640393	88		Top 28": Yellowish brown to greyish brown, fine to medium SAND, trace coarse Sand, wet, loose; Middle 6": Grey, fine to very fine SAND, little Silt, wet, loose; Bottom 8": Yellowish brown, fine(+) to medium SAND, wet, loose, slight iron staining	15.0 25.0
12	1640394 1640395	67		Top 18": Yellowish brown, fine to coarse SAND, trace fine Gravel, wet, loose, slight iron staining at top; Bottom 14": Grey, CLAY, trace brown fine to very fine Sand and Silt, wet, moderately dense, varved	0 0.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No -SB-228

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linda Area Add. Inv. Drum
LEA Comm No: 68V7088
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/12/97
End Date 08/12/97

Boring ID SK-SB-229

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640396	79		Reddish brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, trace fibric organic matter (top 4"), dry to slightly moist, loose to moderately dense, Fill	0
	1640397				0
4	1640398	75		Light yellowish brown, fine(+) to very fine SAND, trace Silt (20") grading into yellowish brown, fine to medium Sand (16"), slightly moist to wet, loose, wet at 28"	0
	1640399				0.5
8	1640400	50		Top 10": Dark yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose; Middle 8": Grey, fine to very fine SAND, little Silt, wet, loose; Bottom 6": Greyish brown, fine(+) to medium SAND, wet, loose	20.0
	1640401				25.0
12	1640402	50		Top 14": Yellowish brown, fine to coarse SAND, trace fine Gravel, wet, loose; Bottom 10": Grey, CLAY, trace fine to very fine Sand and Silt, wet, moderately dense, varved	0.0
	1640403				3.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-229

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GEOLOGIC BORING LOG

DRAFT

Project: Linda Area Add. Inv. Drum
LEA Comm No: 68V7088
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/12/97
End Date 08/12/97

Boring ID SK-SB-230

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640404	88		Top 8": Pale brown, SILT with fine Sand, trace fibric organic matter, dry, loose; Bottom 34": Light yellowish brown to strong brown, fine SAND, little Silt, trace medium Sand, dry to slightly moist, loose	0
	1640405				0
4	1640406	75		Top 14": Grey to greyish brown, fine(+) to very fine SAND, little Silt, moist, loose, black-staining top 4"; Bottom 22": Yellowish brown, fine SAND, trace medium Sand grading to fine to medium Sand, wet, loose	0
	1640407				0
8	1640408	62		Top 10": Greyish brown, fine to medium SAND, trace coarse Sand, wet, loose; Bottom 20": Grey, very fine to fine SAND, little Silt, wet, loose	60.0
	1640409				6.0
12	1640410	92		Top 30": Dark greyish brown to ytellowish brown, fine to coarse SAND, trace fine Gravel, wet, loose; Bottom 14": Grey, CLAY, trace brown , fine to very fine Sand and Silt, wet, moderately dense, varved	0
	1640411				0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring N. K-SB-230

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GEOLOGIC BORING LOG

DRAFT

Project: Linda Area Add. Inv. Drum **LEA Comm No:** 68V7088 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/12/97 **End Date** 08/12/97	**Boring ID** **SK-SB-231**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640412 1640413	83		Top 4": Organic debris and concrete pieces; Middle 16": Pale brown, SILT with fine Sand, trace medium Sand, dry, loose; Bottom 20": Strong brown, fine SAND, trace medium Sand, trace Silt, slightly moist, loose	0 0
4	1640414 1640415	50		Top 8": As above last 20"; Middle 10": Light brownish grey, fine to very fine SAND, little Silt, moist, loose; Bottom 6": Yellowish brown, fine(+) to medium SAND, trace fibric organic matter, wet, loose	0 0
8	1640416 1640417	62		Top 14": Dark greyish brown, fine to medium SAND, trace coarse Sand, wet, loose; Middle 14": Grey, very fine to fine SAND, little Silt, wet, loose; Bottom 2": Grey, fine to medium SAND, trace coarse Sand, wet, loose	70.0 30.0
12	1640418 1640419	92		Top 24": Dark greyish brown to yellowish brown, fine to coarse SAND, trace fine Gravel, wet, loose; Bottom 20": Grey, CLAY, trace fine to very fine Sand and Silt, wet, moderately dense, varved	3.5 7.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-231

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GEOLOGIC BORING LOG

DRAFT

Project: Linda Area Add. Inv. Drum **LEA Comm No:** 68V7088 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/12/97 **End Date** 08/12/97	**Boring ID** **SK-SB-232**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640420	92		Reddish brown, fine to coarse SAND, some fine and coarse Gravel, trace Silt, dry to slightly moist, loose to moderately dense, Fill	0
	1640421				0
4	1640422	67		Top 14": Light brownish grey, fine to very fine SAND, little Silt, moist, loose; Bottom 18": Greyish brown, fine SAND, trace medium Sand, trace Silt, moist to wet, loose, wet at 6"	0.3
	1640423				2.0
8	1640424	67		Top 14": Greyish brown, medium to fine SAND, trace coarse Sand, wet, loose; Middle 16" Grey, very fine to fine SAND, little Silt, wet, loose; Bottom 2": Grey, fine to medium SAND, trace coarse Sand, wet, loose	30.0
	1640425				100.0
12	1640426	83		Top 14": Dark greyish brown to yellowish brown, fine to medium SAND, wet, loose; Bottom 26": Grey, CLAY, trace fine to very fine SAND and SILT, wet, moderately dense, varved	4.0
	1640427				10.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No. K-SB-232

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST **LEA Comm No:** 68V7089 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/13/97 **End Date** 08/13/97	**Boring ID** **SK-SB-233**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640469 1640470	92		Top 6": Process stone, fine and coarse GRAVEL, with brown, fine Sand and Silt, trace organic matter; Bottom 38": Reddish brown, fine and coarse SAND, little fine and coarse Gravel, trace silt, trace Cobbles, dry to slightly moist, loose to moderately dense, Fill	0 0
4	1640471 1640472 1640473	79		Top 26": Greyish brown, fine(+) to very fine SAND, little Silt, trace medium Sand, slightly moist to wet, loose, wet at 24"; Bottom 12": Reddish grey, fine(+) to medium SAND, trace(-) coarse Sand, wet, loose	0 1.0
8	1640474	29		Reddish grey to grey, fine to medium SAND, trace coarse Sand, wet, loose, with 1" layer Grey, fine Sand at 8"	6.0 -
12	1640476 1640477	54		Top 6": Greyish brown, fine to coarse SAND, wet, loose; Middle 14": Greyish brown, fine(+) to medium SAND, trace(-) coarse Sand, wet, loose; Bottom 6": Grey, CLAY, trace brown, very fine to fine Sand and Silt, wet, moderately dense, varved	0.6 10.
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-233

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST **LEA Comm No:** 68V7089 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/13/97 **End Date** 08/13/97	**Boring ID** **SK-SB-234**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640478 1640479	88		Top 2": Organic debris and wood chips; Bottom 40": Reddish brown, fine to coarse SAND, some fine and coarse Gravel, trace silt, trace Cobbles, dry and slightly moist, loose to moderately dense, Fill	0 0
4	1640480 1640481	75		Top 12": Greyish brown, fine(+) to very fine SAND, trace Silt, moist, loose; Next 3": Orange-stained, fine to medium SAND, moist, loose; Next 2": Same as top 12"; Bottom 19": Reddish grey, medium to fine SAND, trace coarse Sand, wet, loose	0 0.2
8	1640482 1640483	58		Top 6": Reddish grey, fine SAND, little medium Sand, wet, loose; Middle 8": Reddish grey, fine to coarse SAND, to fibric organic matter, trace fine Gravel, wet, loose; Bottom 14": Olive grey, fine SAND, trace medium Sand, trace silt, wet, loose	1.4 3.5
12	1640484 1640485	92		Top 24": Olive grey to dark olive grey, fine(+) to coarse SAND, wet, loose; Bottom 20": Grey, CLAY, trace brown, very fine to fine, Sand and Silt, wet, moderately dense, varved	0.2 7.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No -SB-234

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST **LEA Comm No:** 68V7089 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/13/97 **End Date** 08/13/97	**Bor.** **SK-SB-2**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640486 1640487	88		Top 4": Process stone, fine and coarse GRAVEL, with brown, fine Sand and Silt, trace fibric organic matter; Bottom 38": Reddish brown, fine to coarse SAND, some fine and coarse Gravel, trace Silt, trace Cobbles, dry to slightly moist, loose to moderately dense, Fill	0 0
4	1640488 1640489	83		Top 18": Light grey to light yellowish brown, fine to very fine SAND, little Silt, moist, loose; Bottom 22": Light yellowish brown, fine SAND grading to reddish grey, fine to medium SAND, trace coarse Sand, wet, loose	0 0.2
8	1640490 1640491	62		Top 10": Reddish grey, fine to coarse SAND, trace fine Gravel, wet, loose; Bottom 20": Olive grey, fine to medium SAND, trace Silt, trace coarse Sand, wet, loose	0.4 0.4
12	1640492 1640493	88		Top 32": Dark grey, fine(+) to coarse SAND, wet, loose; Bottom 10": Grey, CLAY, trace brown, very fine to fine Sand and Silt, wet, moderately dense, varved	1.0 2.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-235

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST **LEA Comm No:** 68V7089 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/13/97 **End Date** 08/13/97	**Boring ID** **SK-SB-236**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640494 1640495	83		Cored through 6" concrete; Top 3": Concrete debris and pieces; Middle 35": Reddish brown, fine to coarse SAND, some fine and coarse Gravel, trace Silt, dry to slightly moist, loose to moderately dense, Fill; Bottom 2": Grey, SILT, with fine to very fine Sand, trace fibric organic matter, moist, moderately dense	0 0
4	1640496 1640497	75		Top 16": Light grey to light yellowish brown, fine to very fine SAND, little Silt, moist, loose; Next 4": Orange-stained, fine to medium SAND, moist, loose; Next 2": Same as top 16", brown; Bottom 14": Reddish grey, fine to medium SAND, trace coarse Sand, wet, loose	0 0.9
8	1640498 1640499	46		Top 19": Reddish grey to brownish grey, fine to medium SAND, trace coarse Sand, wet, loose; Bottom 3": Olive grey, fine SAND, trace Silt, trace medium Sand, wet, loose	0.4 0.8
12	1640500 1640501	42		Top 12": Dark grey, fine(+) to coarse SAND, trace Silt, trace fine Gravel, wet, loose; Middle 2": Dark grey, fine to medium SAND, wet, loose; Bottom 6": Grey, CLAY, trace brown, very fine to fine Sand and Silt, wet, moderately dense, varved	0.6 1.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-236

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST
LEA Comm No: 68V7089
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/13/97
End Date 08/13/97

Boring ID SK-SB-237

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640502 1640503	79		Top 6": Process stone, fine and coarse GRAVEL, with brown, fine Sand and Silt, trace organic matter; Bottom 32": Reddish brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, dry to slightly moist, loose to moderately dense, Fill	0 0
4	1640504 1640505	75		Top 6": Greyish brown, fine to very fine SAND, little Silt, moist, loose; Next 5": Light yellowish brown, fine SAND, trace medium Sand, moist, loose; Next 8": Same as top 6"; Bottom 17": Reddish grey, fine to medium SAND, trace coarse Sand, wet, loose	0 0.4
8	1640506 1640507	58		Top 23": Reddish grey, fine to medium SAND, trace coarse Sand, trace silt, with 5" layer fine Sand, trace medium Sand at 7", wet, loose; Bottom 5": Olive brown, fine to very fine SAND, trace Silt, wet, loose	0.2 1.0
12	1640508 1640509	100		Top 32": Dark grey, fine(+) to coarse SAND, trace fine Gravel, wet, loose; Bottom 16": Grey, CLAY, trace very fine to fine Sand and Silt, wet, moderately dense, varved	1.0 5.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-237

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST
LEA Comm No: 68V7089
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/13/97
End Date 08/13/97

Boring ID SK-SB-238

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640510 1640511	75		Top 4": Process stone, fine and coarse GRAVEL, with brown, fine Sand and Silt, trace organic matter; Bottom 32": Reddish brown, fine to coarse SAND, little fine and coarse Gravel, trace Silt, dry to slightly moist, moderately dense, Fill	0 0
4	1640512 1640513	62		Top 6": Greyish brown, fine to very fine SAND, little Silt, moist, loose; Middle 10": Light yellowish brown, fine SAND, trace Silt; Bottom 14": Reddish grey, fine to medium SAND, trace Silt, wet, loose	0 0.8
8	1640514 1640515	71		Top 24": Same as above last 14", trace coarse Sand; Bottom 10": Olive grey, fine(+) to very fine SAND, trace Silt, wet, loose	0.2 1.3
12	1640516 1640517	79		Top 30": Dark grey, fine(+) to medium SAND, trace coarse Sand, trace Silt, wet, loose; Bottom 8": Grey, CLAY, trace brown, very fine to fine Sand and Silt, wet, moderately dense, varved	1.5 7.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No. SK-SB-238

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GEOLOGIC BORING LOG

DRAFT

Project: Linde Area Add. Inv. UST **LEA Comm No:** 68V7089 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/13/97 **End Date** 08/13/97	**Boring ID** **SK-SB-239**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1640518 1640519	58		Top 6": Process stone, fine and coarse GRAVEL and brown, fine to coarse SAND, some Silt, trace organic matter; Bottom 22": Reddish brown, fine to coarse SAND, some fine and coarse Gravel, trace Silt, slightly moist, loose, Fill	0 0
4	1640520 1640521	50		Top 4": Brown, fine to very fine SAND, little Silt, moist, loose; Next 8": Yellowish brown, fine Sand, trace medium Sand, trace Silt, moist to wet, loose; Next 2": Same as top 4"; Bottom 10": Reddish grey, fine to medium SAND, wet, loose	0 0.3
8	1640522 1640523	83		Top 4": Reddish grey, SILT, wet, loose; Middle 28": Reddish grey, fine(+) to medium SAND, trace coarse Sand, trace silt, wet, loose; Bottom 8": Olive grey, fine(+) to very fine Sand, trace silt, wet, loose	0.5 0.6
12	1640524 1640525	79		Top 24": Dark grey, fine to coarse SAND, little fine Gravel, trace Silt, wet, loose; Bottom 14": Grey, CLAY, trace brown very fine to fine Sand and Silt, wet, moderately dense, varved	0.5 1.6
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/9/1998

Boring No: SK-SB-239

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/27/97
End Date 08/27/97

Boring ID SK-SB-240

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641444 1641445 1641446	79		Top 12": Greyish brown, fine SAND and SILT with process stone, fine and coarse Gravel, slightly moist, loose; Next 6": Dark brown, SILT with fine Sand, trace medium Sand, slightly moist, loose; Next 10": Strong brown, fine SAND, little Silt, trace medium Sand, slightly moist, loose; Bottom 10": Yellowish brown, fine(+) to medium SAND, slightly moist, loose	2.4 0.0
4	1641447 1641448	75		Top 12": Yellowish brown, fine to medium SAND, moist, loose; Next 8": Grey, SILT with fine to very fine Sand, moist, loose; Next 10": Reddish brown, fine SAND, little Silt, wet, loose; Bottom 6": Yellowish brown, fine to medium SAND, wet, loose, slight iron staining	0.4 0.2
8	1641449 1641450	71		Top 12": Brown, fine(+) to medium SAND, wet, loose; Middle 10": Greyish brown, very fine to fine SAND, wet, loose; Bottom 12": Yellowish brown, fine to medium SAND, trace coarse Sand, trace Silt, wet, loose	0.0 0.0
12	1641451 1641452	92		Top 4": Light olive brown, fine to medium SAND, wet, loose; Next 8": Light olive brown, fine to very fine SAND, wet, loose; Next 8": Yellowish brown, medium to fine SAND, wet, loose; Bottom 24": Grey, CLAY, little brown Silt and fine to very fine Sand, wet, moderately dense, varved	1.7 1.8
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. -SB-240

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/27/97 **End Date** 08/27/97	**Boring ID** **SK-SB-241**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641453 1641454	79		Punched through 3" asphalt; Top 12": Process stone, fine GRAVEL, with brown, Silt and fine Sand, trace coarse Gravel, slightly moist, loose; Middle 12": Strong brown, SILT with fine Sand, trace medium Sand, slightly moist, loose; black fibric organic matter at bottom; Bottom 14": Yellowish brown, fine(+) to medium SAND, slightly moist, loose	1.4 0.0
4	1641455 1641456	67		Top 14": Brown, fine SAND, trace Silt grading to fine to very fine Sand, moist to wet, loose; Middle 5": Grey, SILT, some fine to very fine Sand, moist, moderately dense; Bottom 13": Grey to greyish brown, fine to very fine SAND, trace Silt grading to fine Sand, wet, loose	0.0 0.0
8	1641457 1641458	79		Top 8": Brown, fine(+) to medium SAND, trace Silt, wet, loose; Next 7": Brown, fine to very fine SAND, wet, loose; Next 14": Same as top 8"; Bottom 9": Light olive brown, fine to very fine SAND, wet, loose	0.4 1.6
12	1641459 1641460	79		Top 24": Yellowish brown, fine(+) to coarse SAND, trace fine Gravel, wet, loose, slight coarsening downward; Bottom 14": Grey, CLAY, little brown, Silt and fine to very fine Sand, wet, dense, varved	1.4 0.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-241

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/27/97
End Date 08/27/97

Boring ID SK-SB-242

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641461 1641462	88		Top 10": Brown, SILT and fine SAND with process stone, fine Gravel, slightly moist, loose; Middle 12": Strong brown, SILT wth fine Sand, slightly moist, loose; Bottom 20": Yellowish brown, fine(+) to medium SAND, trace Silt, slightly moist to moist, loose, punched through 3" asphalt	7.6 9.2
4	1641463 1641464	71		Top 10": Brown, fine SAND, moist, loose; Middle 6": Grey, SILT, some fine to very fine SAND wet, moderately dense; Bo,tom 18": Grey to reddish brown, fine to very fine SAND, grading to fine SAND, wet, loose	9.8 7.9
8	1641465 1641466	67		Dark yellowish brown, fine(+) to medium SAND, trace Silt, wet, loose, brown, fine to very fine SAND at 20-26"	9.1 10.7
12	1641467 1641468	100		Top 26": Yellowish brown, fine(+) to coarse SAND, trace fine Gravel, wet, loose, slight coarsening downward; Bottom 22": Grey, CLAY, trace brown, Silt and fine to very fine Sand, wet, dense, varved	10.4 6.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. SK-SB-242

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/27/97
End Date 08/27/97

Boring ID SK-SB-243

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641469	62		Cored thru 5" concrete; Top 4": Dusky red, fine(+) to coarse SAND, trace Silt, trace fine Gravel, dry, loose; Middle 14": Brown to strong brown, fine SAND with Silt, trace medium Sand, slightly moist, loose; Bottom 12": Yellowish brown, fine to medium SAND, slightly moist, loose	4.7
	1641470				8.7
4	1641471	54		Top 6": Brown, fine(+) to very fine SAND, moist, loose; Middle 8": Grey, SILT with fine to very fine Sand, wet, moderately dense; Bottom 12": Same as top 6", wet	11.1
	1641472				10.3
8	1641473	67		Top 14": Brown, fine(+) to medium SAND, trace(-) coarse Sand, wet, loose; Middle 13": Brown, fine to very fine SAND, wet, loose; Bottom 5": Same as top 14"	10.5
	1641474				10.5
12	1641475	83		Top 10": Light olive brown, fine to very fine SAND, wet, loose; Middle 16": Yellowish brown, fine to coarse SAND, trace fine Gravel, slight coarsening down, wet, loose; Bottom 14": Grey, CLAY, trace brown, Silt and fine to very fine Sand, wet, dense, varved	9.6
	1641476				2.6
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-243

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 08/29/97
End Date 08/29/97

Boring ID SK-SB-244

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641486 1641487	88		Punched through 3" asphalt; Top 2": Black bituminous asphalt; Middle 30": Dark yellowish brown to brown fine SAND, little Silt, trace fibric organic matter (top 12"), slightly moist, loose; Bottom 10": Light yellowish brown, fine to medium SAND, slightly moist to moist, loose	8.7 4.8
4	1641488 1641489	75		Top 22": Brown, fine(+) to very fine SAND, trace Silt, trace medium Sand, moist to wet, loose; Bottom 14": Brown, fine(+) to medium SAND, wet, loose, slight iron staining	15.5 15.1
8	1641490 1641491	54		Brown, fine SAND, trace medium Sand, trace Silt, wet, loose	11.0 9.3
12	1641492 1641493 1641494	67		Top 20": Light olive brown, fine(+) to medium SAND grading to fine to coarse Sand (bottom 5"), wet, loose; Bottom 12": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	38.9 10.4
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. K-SB-244

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 08/29/97 **End Date** 08/29/97	**Boring ID** **SK-SB-245**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641495 1641496	88		Top 2": Black asphalt; Next 5": Dusky red, coarse to fine SAND, little fine Gravel, trace coarse Gravel, slightly moist, loose; Next 12": Dark yellowish brown, fine to very fine SAND with Silt, moist, loose; Next 6": Dark brown to black, SILT, little fine Sand, little fibric and hemic organic matter, moist, loose; Bottom 17": Greyish brown, fine SAND, trace Silt, trace medium Sand, moist, loose	8.9 10.5
4	1641497 1641498	54		Top 12": Grey, fine(+) to very fine SAND, trace Silt, wet, loose; Bottom 14": Grey to greyish brown, fine to medium SAND, wet, loose	12.3 12.7
8	1641499 1641500	67		Top 10": Brown, fine(+) to very fine SAND, wet, loose; Next 10": Yellowish brown, fine to coarse SAND, wet, loose; Next 8": Same as top 10"; Bottom 4": Light olive brown, fine to coarse SAND, wet, loose	14.6 15.9
12	1641501 1641502	100		Top 8": Light olive brown, fine to very fine SAND, wet, loose; Middle 14": Light olive brown to yellowish brown, medium to fine SAND, wet, loose; Bottom 26": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	23.3 10.5
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-245

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/02/97 **End Date** 09/02/97	**Boring ID** **SK-SB-246**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641505 1641506	75		Punched through 2" asphalt; top 1": Grey, fine GRAVEL with asphalt pieces; Middle 14": Reddish brown, fine(+) to coarse SAND, little fine Gravel, trace Silt, slightly moist, loose; Bottom 21": Dark brown to greyish brown, fine SAND with Silt, trace fibric and hemic organic matter, moist, loose, slight petroleum(?) odor	15.4 9.3
4	1641507 1641508 1641509	88		Top 12": Greyish brown, fine to very fine SAND, little Silt, moist, loose; Middle 5": Grey, SILT, little fine to very fine Sand, wet, moderately dense; Bottom 25": Greyish brown to reddish grey, fine SAND grading to fine to medium SAND, moist to wet, loose	7.1 6.9
8	1641510 1641511	75		Top 30": Greyish brown, fine to medium SAND, trace(-) coarse Sand, trace Silt, wet, loose; Bottom 6": Light olive brown, fine to coarse SAND, wet, loose	10.2 67.2
12	1641512 1641513	58		Top 16": Yellowish brown, fine to coarse SAND, wet, loose; Bottom 12": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	7.0 6.4
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-246

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/02/97
End Date 09/02/97

Boring ID SK-SB-247

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641514	81		Punched through 2" asphalt; Top 3": Grey process stone, fine and coarse Gravel, some fine to coarse Sand, trace asphalt pieces; Bottom 31": Dark yellowish brown, fine to very fine SAND, little Silt, fibric and hemic organic matter, moist to wet, loose	3.6
	1641515				4.4
4	1641516	100		Top 10": Same as above last 31", trace fibric and hemic organic matter; Next 5": Grey, SILT, some fine to very fine Sand, wet, moderately dense; Next 8": Greyish brown, fine to very fine SAND, trace silt, wet, loose; Bottom 25": Reddish grey, fine(+) to medium SAND, wet, loose	9.4
	1641517				6.1
8	1641518	79		Greyish brown to light olive brown, fine to coarse SAND, trace fine Gravel, wet, loose	9.3
	1641519				8.0
12	1641520	79		Top 12": Dark yellowish brown, fine(+) to very fine SAND, wet, loose; Middle 5": Yellowish brown, medium to coarse SAND, wet, loose; Bottom 21": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	10.1
	1641521				5.2
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-247

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/02/97 **End Date** 09/02/97	**Boring ID** **SK-SB-248**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641522 1641523	79		Punched through 2" asphalt; Top 5": Grey, Process stone, fine and coarse Gravel with olive grey, fine to coarse Sand, dry, loose; Bottom 33": Dark yellowish brown, fine to y fine SAND with Silt, trace fibric organic matter throughout, trace hemic organic matter; Bottom 10": Slightly moist to moist, loose to moderately dense	5.1 3.3
4	1641524 1641525	100		Top 6": Same as above last 10"; Next 10": Olive grey, fine to very fine SAND, little Silt, wet, loose; Next 4": Grey, SILT with fine to very fine Sand, wet, dense; Bottom 28": Reddish grey, fine SAND grading to fine to medium SAND, moist to wet, loose	4.0 3.5
8	1641526 1641527	71		Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose	3.7 4.4
12	1641528 1641529	75		Top 14": Yellowish brown, fine(+) to coarse SAND, wet, loose; Bottom 22": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	4.4 2.8
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. SK-SB-248

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/02/97
End Date 09/02/97

Boring ID SK-SB-249

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641530	83		Punched through 3" asphalt; top 4": Grey, Process stone, fine Gravel with olive brown, fine to medium Sand, trace asphalt pieces; Next 22": Dark yellowish brown, fine to very fine SAND with Silt, trace fibric organic matter, slightly moist to wet, loose; Next 5": Dark brown to black, SILT, some hemic organic matter, trace fibric organic matter, wet, loose; Next 5": Olive grey, fine to very fine SAND and SILT, wet, moderately dense; Bottom 4": Light olive brown, fine SAND, wet, loose	4.1
	1641531				4.0
4	1641532	92		Top 10": Dark brown to black, fine to very fine SAND, with Silt, trace hemic organic matter, wet, loose, 1" layer asphalt at bottom; Next 5": Grey, SILT, little fine to very fine Sand, wet, dense; Bottom 29": Greyish brown, fine SAND grading to reddish grey, fine to medium SAND, wet, loose	5.1
	1641533				2.2
8	1641534	75		Brown, fine(+) to medium SAND, wet, loose, trace(-) coarse Sand	4.6
	1641535				4.8
12	1641536	83		Top 12": As Above, grading to fine to coarse SAND (bottom 3"); Bottom 28": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	2.5
	1641537				2.3
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-249

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/03/97 **End Date** 09/03/97	**Boring ID** **SK-SB-250**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641541 1641542 1641543	83		Cored through 4" concrete; Top 4": Concrete pieces and debris; Middle 20": Dark yellowish brown, fine to very fine SAND, some Silt, trace brick pieces, wood pieces at 12", slightly moist, loose; Bottom 16": Strong brown, fine SAND, little Silt grading to reddish grey, fine(+) to medium Sand, slightly moist to moist, loose	7.8 11.3
4	1641544 1641545	92		Top 10": Reddish grey, fine to very fine SAND, moist, loose; Next 5": Grey, SILT, some fine to very fine Sand, moist, moderately dense; Next 12": Reddish grey, fine to very fine SAND grading to fine SAND, wet, loose; Bottom 17": Yellowish brown, fine to medium SAND, wet, loose	9.8 9.2
8	1641546 1641547	75		Top 12": Brown, fine to very fine SAND, wet, loose; Bottom 24": Yellowish brown, fine to medium SAND, trace coarse Sand, wet, loose, iron staining throughout	6.5 7.0
12	1641548 1641549	92		Top 10": Yellowish brown, fine to very fine SAND, wet, loose; Middle 8": Yellowish brown, fine(+) to coarse SAND, trace fine Gravel (at 3"), wet, loose; Bottom 26": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	6.1 3.8
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. SK-SB-250

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/03/97
End Date 09/03/97

Boring ID SK-SB-251

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641550	83		Top 2": Organic debris and roots; Middle 34": Dark yellowish brown, fine to very fine SAND with Silt, little fibric organic matter, dry to slightly moist, loose, topsoil; Bottom 4": Pale brown, fine SAND, slightly moist, trace fibric organic matter, loose	3.0
	1641551				1.8
4	1641552	92		Top 10": Light yellowish brown to brown, fine SAND grading to fine to very fine SAND, moist, loose; Next 5": Grey, SILT with fine to very fine Sand, wet, dense; Next 5": Brown, fine to very fine SAND, trace Silt, wet, loose; Bottom 24": Brown, fine(+) to medium SAND, wet, loose	5.0
	1641553				5.3
8	1641554	75		Brown to yellowish brown, fine to medium SAND, trace coarse Sand, trace Silt, wet, loose, 5" layer medium to coarse Sand, trace fine Gravel from 22-28"	5.2
	1641555				8.8
12	1641556	67		Top 18": Yellowish brown, fine(+) to coarse SAND (top 6") grading to fine SAND, wet, loose; Bottom 14": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	5.6
	1641557				4.1
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-251

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/03/97 **End Date** 09/03/97	**Boring ID** **SK-SB-252**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: J. Sweeton
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641558 1641559	92		Top 22": Dark yellowish brown, fine to very fine SAND with Silt, little fibric organic matter, slightly moist to wet (from 14-22") loose; Next 10": Strong brown to brown, fine SAND, some Silt, dry, dense; Bottom 12": Pale brown to yellowish brown, fine(+) to medium SAND, slightly moist, loose	2.6 0.8
4	1641560 1641561	88		Top 10": Yellowish brown, fine SAND grading to fine to very fine SAND, trace Silt, moist, loose; Next 5": Grey, SILT, some fine to very fine Sand, wet, dense; Next 12": Brown, fine SAND, moist, loose; Next 3": Reddish brown, very fine SAND, trace Silt, wet, loose; Bottom 12": Reddish grey, fine to medium SAND trace coarse Sand, wet, loose	1.7 5.6
8	1641562 1641563	62		Yellowish brown (15") to olive grey (bottom 15"), fine to medium SAND, trace fine Gravel, wet, trace coarse Sand, loose	5.7 19.1
12	1641564 1641565	67		Top 18": Yellowish brown, fine to coarse SAND, wet, loose; Bottom 14": Grey, CLAY, trace brown fine to very fine Sand and Silt, wet, dense, varved	8.3 6.2
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. SK-SB-252

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/08/97 **End Date** 09/08/97	**Boring ID** **SK-SB-253**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641572	92		Top 32": Dark yellowish-brown to yellowish-brown, fine to very fine SAND, some Silt, trace fibric organic matter, slightly moist, loose, topsoil; Bottom 12": Pale brown, fine(+) to medium SAND, slightly moist, loose	0.0
	1641573	92			0.0
4	1641574	75		Top 8": Yellowish-brown, fine to very fine SAND, trace Silt, moist, loose; Next 5": Greyish-brown, SILT and fine to very fine SAND, moist, medium SAND, moist, medium dense; Bottom 23": Alternating layers of reddish-brown, very fine SAND and medium fine SAND, moist to wet, loose	0.0
	1641575	75			0.5
8	1641576	67		Yellowish-brown to olive-grey, fine to medium SAND, trace(+) coarse Sand, wet, loose, generally coarsening downward	2.0
	1641577 1641578	67			5.0
12	1641579	83		Top 30": Olive-grey to yellowish-brown, fine to medium SAND, trace(+) coarse Sand, wet, grading to fine(+) to mediumSand, loose; Bottom 10": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	1.0
	1641580	83			1.5
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-253

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/10/97
End Date 09/10/97

Boring ID SK-SB-254

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641581	100		Top 24": Dark yellowish-brown to yellowish-brown, fine to very fine SAND, little Silt, trace fibric organic matter, slightly moist to wet (bottom 4"), loose; Next 18": Dark-brown and black-stained SILT and fine to very fine SAND, little fibric and hemic organic matter, wet, moderately dense; Bottom 6": Light yellowish-brown, fine SAND, trace medium Sand, moist, loose	1.0
	1641582	100			0.0
4	1641583	75		Top 5": Yellowish-brown, fine to very fine SAND, wet, loose, Next 6": Grey SILT and fine to very fine SAND, wet, dense; Next 4": Same as top 5"; Bottom 21": Light yellowish-brown to reddish-grey, fine to medium SAND, wet, loose	0.0
	1641584	75			0.0
8	1641585	83		Top 16": Yellowish-brown, fine to medium SAND, wet, loose; Bottom 24": Olive-grey, fine(+) to coarse SAND, trace(-) fine Gravel, wet, loose	5.0
	1641586	83			155.0
12	1641587	58		Top 16": Yellowish-brown, fine to coarse SAND, wet, loose; Bottom 12": Olive-grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	3.0
	1641588	58			2.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring N K-SB-254

LOUREIRO ENGINEERING ASSOCIATES, PC
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/08/97
End Date 09/08/97

Boring ID SK-SB-255

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641589	100		Top 36": Dark yellowish and black-stained, SILT and fine to very fine SAND, fibric organic matter at 0-8" and 28-36", hemic and sapic organic matter at 28-36", slightly moist to moist, loose to dense; Bottom 12": Light yellowish-brown, fine SAND, trace medium Sand, moist, loose	0.0
	1641590	100			6.0
4	1641591	75		Top 3": Reddish-brown, fine(+) to very fine SAND, moist, loose; Next 6": Grey, SILT with fine to very fine SAND, wet, dense, orange Mottles; Next 27": Yellowish-brown to reddish- grey, fine SAND grading to fine to medium Sand, moist to wet, loose	0.0
	1641592	75			2.0
8	1641593	58		Greyish-brown, fine to medium SAND, trace corse Sand, trace Silt, wet, loose	6.0
	1641594	58			35.0
12	1641595	88		Top 26": Olive-grey to yellowish-brown, fine to medium SAND, trace(+) coarse Sand, wet, loose; Bottom 16": Olive-grey, CLAY, trace brown, fine to medium Sand and Silt, wet, dense, varved	250.0
	1641596	88			1.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-255

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/08/97
End Date 09/08/97

Boring ID SK-SB-256

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641597	79		Top 14": Dark yellowish-brown, fine to very fine SAND with Silt, trace fibric organic matter, slightly moist, loose; Next 10": Brown, fine(+) to medium SAND moist to wet, loose, 1" Asphalt piece at 3"; Next 6": Dark brown and black-stained, SILT, some fine to very fine SAND, fibric and supric organic matter, wet, moderately denst; Bottom 8": Olive-grey, fine to very fine SAND, trace Silt, wet, loose	0.0
	1641598	79			100
4	1641599	50		Top 2": Grey, SILT and fine to very fine SAND, wet, modertely dense; Next 8": Brown, fine(+) to very fine SAND, moist, loose; Bottom 14": Yellowish-brown to reddish-grey, fine to medium SAND, wet, loose	0.0
	1641600	50			0.0
8	1641601	50		Brown, fine(+) to medium SAND, trace coarse Sand, generally fining downward, wet, loose	2.0
	1641602	50			2.0
12	1641603	60		Top 6": Yellowish-brown, fine to coarse SAND, wet, loose; Next 5": Brown, fine SAND, trace medium Sand, wet, loose; Next6": Same as top 6"; Bottom 12": Grey CLAY, trace brown, very fine Sand and Silt, wet, moderately dense, varved	0.0
	1641604	60			0.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring 1 SK-SB-256

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/09/97
End Date 09/09/97

Boring ID SK-SB-257

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641609	83		Brown to yellowish-brown, fine SAND, little Silt, trace coarse Gravel, trace medium Sand, fibric organic matter @ top 10", dry to moist, loose; 2": Layer dark brown, SILT with fine to very fine Sand, fibric and sapric organic matter, wet, loose at 28-30"	0
	1641610	83			0
4	1641611	58		Yellowish-brown to pale brown, fine to medium SAND, wet, loose, trace Silt	0.5
	1641612	58			1.0
8	1641613	62		Brown to light olive-brown, fine to medium SAND, trace coarse Sand, wet, loose	3.5
	1641614 1641615	62 62			2.0
12	1641616	58		Top 16": Yellowish-brown, fine(+) to coarse SAND, wet, loose; Bottom 12": Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	0.5
	1641617	58			0.5
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-257

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/09/97
End Date 09/09/97

Boring ID SK-SB-258

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641618	100		Top 14": Dark yellowish-brown, fine SAND, some Silt, fibric organic matter, slightly moist, loose; Next 30": Dark brown, SILT with fine to very fine Sand, fibric organic matter throughout, sapric organic matter at bottom 12", slightly moist to wet, loose; Bottom 4": Grey, fine to very fine SAND and SILT, moist, orange Mottles, dense	0
	1641619	100			50.0
4	1641620	75		Top 5": Same as last 4"; Bottom 31": Greyish-brown, fine to very fine SAND, trace Silt, grading to reddish-grey, fine to medium SAND, moist to wet, loose	1.0
	1641621	75			1.5
8	1641622	83		Top 30": Brown, fine(+) to medium SAND, trace(-) coarse Sand, wet, loose; Bottom 10": Yellowish-brown, fine to coarse SAND, wet, loose	1.0
	1641623	83			0
12	1641623	83		Top 20": Yellowish-brown, fine(+) to medium SAND, wet, loose; Middle 6": Yellowish-brown, medium to fine SAND, trace coarse Sand, wet, loose; Bottom 14": Grey, CLAY, trace brown, fine to very fine SAND, Silt, wet, dense, varved	0
	1641624	83			0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring # SK-SB-258

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/09/97 **End Date** 09/09/97	**Boring ID** **SK-SB-259**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: **At:** **Hours**
Depth: **At:** **Hours**

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641626	83		Top 30": Yellowish-brown, fine SAND, little Silt, trace medium Sand, fibric organic matter at top 8", slightly moist to moist, loose; Next 2": Dark brown, SILT with fine to very fine Sand, fibric and sapric organic matter, moist, loose; Bottom 4": Grey, SILT and fine to very fine SAND, moist, dense, orange Mottles	1.5
	1641627	83			2.4
4	1641628	71		Brown, fine(+) to very fine SAND, trace Silt, grading to yellowish-brown, fine to medium SAND, moist to wet, loose, wet at 10"	1.0
	1641629	71			1.0
8	1641630	83		Yellowish-brown, fine to medium SAND, trace(+) coarse Sand, wet, loose	1.0
	1641631	83			1.0
12	1641632	75		Top 14": Yellowish-brown, fine to coarse SAND, wet, loose; Bottom 22": Olive-grey, CLAY, trace fine to very fine SAND and SILT, wet, moderately dense, varved	0.5
	1641633	75			0.5
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-259

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/09/97
End Date 09/09/97

Boring ID SK-SB-260

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641634	92		Top 2": Black bituminous Asphalt; Next 6": Red, fine to coarse SAND, trace fine Gravel, trace Silt, dry, loose; Next 28": Dark brown, SILT and fine to very fine SAND, fibric and sapric organic matter, moist to wet, loose, wet at 12"; Next 4": Grey, SILT and fine to very fine SAND, moist, dense; Bottom 4": Olive, fine to very fine SAND, moist, loose	900
	1641635	92			200
4	1641636	83		Top 14": Pale-brown, fine to very fine SAND, little Silt, moist, loose; Middle 10": Grey, SILT, wet, loose; Bottom 16" : Brown, fine SAND, grading to reddish-grey, fine to medium Sand, wet, loose	60.0
	1641637	83			20.0
8	1641638	79		Top 34": Yellowish-brown, fine to medium SAND, trace(+) coarse Sand, wet, loose; Bottom 4": Yellowish-brown, fine SAND, wet, loose	1.5
	1641639	79			1.0
12	1641640	88		Top 22": Brown, fine to very fine SAND, wet, loose; Next 20" : Grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	1.0
	1641641	88			1.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. K-SB-260

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/09/97
End Date 09/09/97

Boring ID SK-SB-261

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641642	83		Top 6": Reddish-brown, fine to coarse SAND, little fine Gravel, trace Silt, dry, loose; Next 6": Yellowish-brown, fine SAND, little Silt, trce medium Sand, wet, loose; Next 26": Dark brown, SILT with fine to very fine Sand, fibric and sapric organic matter, wet, loose; Bottom 2": Grey, SILT and fine to very fine SAND, moist, dense	30
	1641643	83			>1000
4	1641644	88		Top 12": Grey, SILT, some fine to very fine Sand, loose to dense, wet; Next 20": Brown, fine(+) to very fine SAND, moist to wet, loose; Bottom 10": Brown, fine to medium SAND, wet, loose, trace coarse Sand	100.0
	1641645	88			5.0
8	1641646	71		Brown to yellowish-brown, fine to medium SAND, little(-) coarse Sand, wet, loose	1.0
	1641647	71			1.0
12	1641648	71		Top 6": Yellowish-brown, fine to coarse SAND, wet, trace fine Gravel, loose; Next 6": Same as top 6"; Bottom 2": Grey, CLAY, trace fine to very fine Sand, Silt, wet, moderately dense, varved	1.0
	1641649	71			1.5
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-261

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/10/97
End Date 09/10/97

Boring ID SK-SB-262

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641657	96		Top 26": Dark yellowish-brown, fine to very fine SAND, some Silt, trace medium Sand, fibric organic matter in top 6", slightly moist to wet (wet bottom 3"), loose; Next 8": Dark brown, SILT, fibric and sapric organic matter, wet, loose; Next 5": Olive-brown, fine SAND, some Silt; Bottom 7": Pale- brown, fine SAND, moist, loose	0
	1641658	96			0
4	1641659	75		Top 6": Same as last 7", trace SILT, wet; Next 8": Brown, fine to very fine SAND, trace Silt, wet, loose; Next 6": Grey, SILT, wet, loose; Bottom 16": Brown, fine(+) to medium SAND, wet, loose, septic odor	0
	1641660	75			0
8	1641661	83		Top 35": Brown to yellowish-brown, fine to medium SAND, trace(+) coarse Sand, trace Silt, wet, loose; Bottom 5": Yellowish-brown, fine to coarse SAND, trace fine Gravel, wet, loose	0
	1641662	83			0
12	1641663	83		Top 22": Same as last 5", little fine Gravel; Bottom 18": Olive-grey, CLAY, trace brown, fine to very fine SAND and SILT, wet, dense, varved	0
	1641664	83			0
16				Bottom ob Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. K-SB-262

LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/10/97
End Date 09/10/97

Boring ID SK-SB-263

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641666	88		Top 22": Yellowish-brown, SILT with fine to very fine Sand, trace fibric organic matter, dry, loose; Next1": Dark brown, SILT, fibric and sapric organic matter, moist, loose;	0
	1641667	88		Bottom 19": Light yellowish-brown, fine to very fine SAND and SILT, coarsening downward to yellowish-brown, fine SAND, slightly moist, loose	1.0
4	1641668	83		Top 8": Grey, SILT, trace fine to very fine SAND, moist, dense; Next 22": Brown, fine to very fine SAND, trace Silt, trace medium Sand, moist to wet, loose, wet at 14";	2.0
	1641669	83		Bottom 10": Brown, fine to medium SAND, wet, loose, occasional iron-staining	1.0
8	1641670	71		Yellowish-brown, fine to medium SAND, little(-) coarse Sand, trace Silt, wet, loose, generally coarsening downward	0
	1641571	71			2.0
12	1641572	92		Top 10": Yellowish-brown, medium to fine SAND, little(-) coarse Sand, wet, loose; Middle 20": Brown, fine SAND, trace medium Sand, trace Silt, wet, loose; Bottom 14":	0
	1641573	92		Grey, CLAY, trace fine to very fine Sand and Silt, wet, dense, varved	1.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-263

LEA
LOUREIRO ENGINEERING ASSOCIATES, PC
100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/10/97 **End Date** 09/10/97	**Boring ID** **SK-SB-264**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641674	83		Top 2": Organic debris; Next 10": Reddish-brown, fine to coarse SAND, little fine Gravel, trace coarse Gravel, trace Silt, dry, loose; Next 18": Yellowish-brown, SILT with fine to very fine Sand, trace fibric organic matter, slightly moist, medium dense to loose; Bottom 10": Light yellowish-brown, fine SAND, trace medium Sand, slightly moist, loose, slight petroleum(?) odor	30.0
	1641675	83			40.0
4	1641676	58		Top 12": Same as last 10", slightly moist to wet at bottom, loose, orange iron-staining at 10-12"; Next 5": Grey, SILT, little fine to very fine SAND, wet, dense, orange Mottles; Next 5": Grey, fine to very fine SAND, trace Silt, wet, loose; Bottom 6": Greyish-brown, fine to medium SAND, wet, loose	1.0
	1641677	58			0
8	1641678	79		Brown, fine(+) to medium SAND, trace coarse Sand, trace Silt, grading to medium to fine Sand, little coarse Sand, trace Silt, wet, loose	1.0
	1641679	79			0
12	1641680	75		Top 16": Dark yellowish-brown, fine(+) to coarse SAND, trace fine Gravel, trace Silt, wet, loose; Next 10": Dark yellowish-brown, fine(+) to medium Sand, trace coarse Sand, trace Silt, wet, loose; Bottom 10": Olive-grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	1.0
	1641681	75			1.0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring N K-SB-264

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/10/97
End Date 09/10/97

Boring ID SK-SB-265

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641682	42		Top 2": Organic debris; Bottom 18": Dark yellowish-brown, SILT with fine to very fine Sand, trace fibric organic matter, dry to slightly moist, loose	0
	1641683	42			0
4	1641684	58		Top 20": Pale brown to brown, fine to very fine SAND, little Silt, moist to wet, loose, wet at 8"; Bottom 8": Greyish-brown, fine(+) to medium SAND, wet, loose	2.0
	1641684	58			0
8	1641685	62		Brown to yellowish-brown, fine to medium SAND, little(-) coarse Sand, wet, loose, metal wire in sample tube	1.0
	1641686	75			0
12	1641687	75		Top 26": Yellowish-brown, fine to medium SAND, little(-) coarse Sand, trace Silt, wet, loose; Bottom 10": Olive-grey, CLAY, trace brown, fine to very gine Sand and Silt, wet, dense, varved	0
	1641688	75			0
16				Bottom of Boring 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-265

LEA
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100 Northwest Drive, Plainville, Connecticut, 06062, Phone(203)747-6181 FAX (203)747-8822

GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/12/97 **End Date** 09/12/97	**Boring ID** **SK-SB-266**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641696 1641697	96		Top 2": Black bituminous asphalt; Next 6": Olive grey, fine to coarse SANd, some fine Gravel, trace coarse Gravel, trace Silt, slightly moist, loose; Next 16": Dark brown, SILT, trace fine to very fine Sand, fibric and sapric organic matter, slightly moist, loose; Bottom 22": Strong brown, fine to very fine SAND, with Silt, grading to fine SAND, trace medium Sand, slightly moist to moist, loose	200.0 0
4	1641698 1641699	62		Top 3": Same as above, last 22": Middle 5": Grey, SILT, little fine to very fine Sand, wet, dense, orange mottles; Bottom 22": Brown, fine to very fine SAND, trace Silt, grading to fine to medium SAND, wet, loose	2.0 2.0
8	1641700 1641701 1641702	67		Brown to yellowish brown, fine(+) to medium SAND, trace coarse Sand, trace Silt, wet, loose	4.0 10.0
12	1641703 1641704	62		Yellowish brown, fine to coarse SAND, trace Silt, wet, loose, Clay in tip (not sampled)	20.0 1.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No. SK-SB-266

LEA
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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H
LEA Comm No: 68V7092
Client: Pratt & Whitney
Location: East Hartford, CT

Start Date 09/12/97
End Date 09/12/97

Boring ID SK-SB-267

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641705	83		Top 3": Black bituminous asphalt; Next 6": Reddish brown, fine to coarse SAND, little Gravel, trace coarse Gravel, trace Silt, dry, loose; Next 20": Dark brown, fine to very fine SAND, little Silt, trace medium Sand, trace fibric and sapric organic matter at bottom 10", slightly moist to moist, loose; Next 4": olive grey, SILT, with fine to very fine Sand, moist, loose; Bottom 7": Brown, fine SAND, trace Silt, moist, loose	0.6
	1641706				300.0
4	1641707	71		Top 5": Grey, SILT, trace fine to very fine Sand, moist, moderately dense; Next 10": Brown, fine to very fine SAND, little Silt, moist, loose; Bottomn 19": Reddish grey, fine to medium SAND, trace coarse Sand, trace Silt, wet, loose	480.0
	1641708				600.0
8	1641709	62		Top 18": Greyish brown, medium to fine SAND, trace coarse Sand, trace Silt, wet, loose; Bottom 12": Yellowish brown, fine to very fine SAND, trace Silt, wet, loose	350.0
	1641710				200.0
12	1641711	88		Top 10": Same as above, last 12": Next 6": Dark yellowish brown, fine to coarse SAND, trace Silt, trace fine Gravel, wet, loose; Bottom 26": Olive grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	2.0
	1641712				1.0
16				Bottom of Boring at 16'	
20					
24					

Comments:

Printed On: 2/13/1998

Boring No: SK-SB-267

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GEOLOGIC BORING LOG

DRAFT

Project: VPSA Outside Drum Storage and Quonset H **LEA Comm No:** 68V7092 **Client:** Pratt & Whitney **Location:** East Hartford, CT	**Start Date** 09/12/97 **End Date** 09/12/97	**Boring ID** **SK-SB-268**

Drilling Contractor: LEA
Drilling Method: Geoprobe
Sampling Method: Macro Core
Groundwater Observations:
Depth: At: Hours
Depth: At: Hours

Logged By: J. Trzaski
Drilling Foreman: D. Brisson
Drill Rig: Geoprobe 5400
Surface Elevation:
Northing:
Easting:

Elevation/ Depth	Sample Information: Sample No.	Recovery (%)	Blows /6"	Sample Description: Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structures, Density, Cohesiveness	(ppm)
0	1641713	100		Top 3": Organic debris; Next 6": Dark yellowish brown, SILT, with fine to very fine Sand, trace fibric orgamic matter, moist, loose; Next 4": Dark brown and black-stained, SILT, fibric and sapric organic matter, wet, loose; Next 12": Strong brown, SILT, trace fine to very fine Sand, little fibric organic matter, moist, loose; Bottom 23": Brown, SILT, with fine to very fine Sand, grading to light yellowish brown, fine SAND, trace medium Sand, moist, loose	25.0
	1641714				3.0
4	1641715	67		Top 2": Reddish brown, very fine SAND, wet, loose; Next 4": Grey, SILT, trace fine to very fine Sand, wet, moderately dense; Next 18": Brown, fine SAND, trace Silt, wet, loose; Bottom 8": Reddish grey, fine to medium SAND, trace Silt, wet, loose	6.0
	1641716				6.0
8	1641717	79		Top 8": Brown, medium to fine SAND, trace coarse Sand, trace Silt, wet, loose; Next 14": Brown, fine to very fine SAND, trace Silt, wet, loose; Next 10": Same as top 8"; Bottom 6": Same as second 14"	15.0
	1641718				5.0
12	1641719	75		Top 16": Yellowish brown, fine to coarse SAND, trace Silt, wet, loose; Bottom 20": Olive grey, CLAY, trace brown, fine to very fine Sand and Silt, wet, dense, varved	3.2
	1641720				1.0
16					
20					
24					

Comments:

Printed On: 2/13/1998

Boring No -SB-268

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SOIL INVESTIGATIONS NORTHEAST PORTION SOIL SAMPLING LOCATION MAP

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SOIL INVESTIGATIONS SOUTHWEST PORTION SOIL SAMPLING LOCATION MAP

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SOIL INVESTIGATIONS SOUTHEAST PORTION SOIL SAMPLING LOCATION MAP

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DRAFT

UNIT SPECIFIC TECHNICAL MEMORANDUM: FIRE TRAINING AREA C
PRATT & WHITNEY, EAST HARTFORD, CT

AREA: North Klondike

SUB-AREA: X-401

ENVIRONMENTAL UNIT: Fire Training Area C

Location: In the North Klondike Area, this unit is located on the first road north on the North Access Road from Perimeter Road, to the northwest of the X-401 Sub-Area (Drawing 1).

Description: Fire Training Area C was an open area, measuring approximately 100 feet by 100 feet, that was reportedly used for fire-fighting training exercises of the airport crash response team. An earthen pit was reportedly filled with water prior to fire-fighting training exercises.

Dates of Operation: Approximately 1957 to the late 1960s.

Processes: Flammable and combustible materials were poured into the depression and ignited for fire-fighting training exercises.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys Inc. One smaller aerial photograph of an unknown date was also obtained from the Pratt & Whitney (P&W) Photographic Services Department.

All of these photographs, except one, show that the area in question was devegetated, possibly due to the fire-training exercises. The large-scale aerial photograph from 1970 appears to show vegetative growth in the location of Fire Training Area C. This growth may indicate that the use of this area may have lessened during the time just prior to the photograph.

Specific Contaminants of Concern: Flammable and combustible materials including jet fuels, gasoline, and waste oil. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), semivolatile organic compounds (SVOCs) and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc).

Potential Release Mechanism: Impacts to soils and groundwater associated with potential spillage of burned or unburned liquids.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with this unit, a subsurface investigation to determine the degree and extent of soil contamination was performed in July 1996 and October 1996. Prior to 1996, a groundwater investigation had reportedly been performed in the spring or early summer of 1993.

July 1993 Investigation (Metcalf & Eddy):

Description: Based on a report prepared by Metcalf and Eddy (M&E) dated July 1993, three groundwater samples, NK-GP-05 through NK-GP-07, were collected from temporary polyvinyl chloride (PVC) well points in the vicinity of the former Fire Training Area C. The sampling locations are shown on Drawing 1. The specific date of sampling was not mentioned in the report. The three samples were analyzed for VOCs. A summary of the samples collected and analyses performed during this investigation is included in Table 1.

Investigation Results: None of the VOCs were detected in the three groundwater samples.

Data Evaluation and Conclusions: Based on the groundwater analysis, there was no evidence that the groundwater in the vicinity of the former Fire Training Area C had been impacted. However, the impacts to soil were unknown as soil samples were not collected and analyzed.

July 1996 Investigation (Loureiro Engineering Associates):

Description: On July 17 and 18, 1996, three soil borings, NK-SB-33 through NK-SB-35, were advanced in the vicinity of the former Fire Training Area C by Loureiro Engineering Associates, P.C. (LEA). The sampling locations are shown on Drawing 1. Soil samples were collected from each of the borings in continuous 2-foot intervals to 14 feet, with a 1-foot interval from 14 to 15 feet. The depth of the borings was selected to ensure that sufficient data were collected for comparison against the direct exposure criteria (DEC) in the Connecticut Remediation Standard Regulation (RSR).

A total of twenty-five soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs (benzene (BZ), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), trichloroethylene (TCE), and xylenes (XYL)). Based on visual, olfactory, or instrument evidence, and with consideration of the potential release mechanism, two samples from each borings were submitted to Averill Environmental Laboratory, Inc. (AEL) and analyzed for the presence of VOCs, metals, SVOCs, and TPH. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on the boring logs, groundwater was encountered at approximately 3.5 feet in borings NK-SB-33 and NK-SB-34, and at approximately 4 feet in boring NK-SB-35. Varved clay was encountered in borings NK-SB-33, NK-SB-34, and NK-SB-35 at 12, 9.5, and 11 feet, respectively. The first four inches of soil in borings NK-SB-33 and NK-SB-34 were observed to have a black to brown/black color. No other visual or olfactory evidence of contamination was noted on the boring logs.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. VOCs were not detected in the soil samples submitted to the LEA Analytical Laboratory. Similarly, VOCs and SVOCs were not detected in the soil samples submitted to AEL.

One or more of the metals analyzed at AEL were detected in each of the soil samples submitted for analysis. These metals include barium, chromium, and zinc.

TPH was detected in the soil sample collected from boring NK-SB-34 at a depth of 0 to 2 feet. TPH was not detected in any of the remaining five soil samples submitted to AEL for analysis.

Data Evaluation and Conclusions: The soil boring data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various inorganic constituents (Fuss & O'Neill, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum 4, Background Soil Data*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (PMC) included in the RSR.

The concentrations of the metals detected in the soil samples are typical of site-wide background concentrations and are not indicative of a release from this unit. For the metals detected in soil, no exceedances of the default numeric RDEC and IDEC were noted.

The concentration of the TPH detected in the soil samples are indicative of a release from this unit. For the TPH detected in the soil, an exceedance of the default numeric RDEC was noted. The source for the TPH contamination is believed to be the flammable and combustible materials used for fire-fighting training in this area. VOCs and SVOCs were not detected. Additional investigation in the vicinity of this unit was warranted to define the degree and extent of the petroleum contamination.

October 1996 Investigation (LEA):

Description: On October 4, 1996, seven soil borings, NK-SB-81 through NK-SB-87, were advanced in the vicinity of the former Fire Training Area C. The sampling locations are shown on Drawing 1. Soil samples were collected from each of the borings in continuous two-foot intervals to a depth of six feet. The depth of six feet was selected to ensure that the potential surface release in the vicinity of boring NK-SB-34 was adequately characterized.

A total of twenty-two soil samples were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs. All of the samples from each of the borings were submitted to AEL and analyzed for the presence of TPH. A summary of the samples collected and analyses performed is included in Table 1.

Investigation Results: Based on boring logs, groundwater was encountered at approximately 4 feet in boring NK-SB-84; at 5 feet in borings NK-SB-81, NK-SB-82, and NK-SB-85 through NK-SB-87; and at approximately 6 feet in boring NK-SB-85. Varved clay was not encountered in any of the seven borings. No visual or olfactory evidence of contamination was noted in the boring logs.

Concentrations of constituents detected in soil samples collected for this unit are presented in

Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1. TPH was detected in the soil sample collected from boring NK-SB-82 at a depth of 0 to 2 feet. TPH was not detected in any of the remaining twenty-one soil samples submitted to AEL for analysis.

Data Evaluation and Conclusions: The soil boring data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various inorganic constituents (Fuss & O'Neill, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum 4, Background Soil Data.*

The TPH detected in the soil sample from soil boring NK-SB-82 exceeded the default numeric RDEC. Considering the TPH detection at soil boring NK-SB-82 and the previous detection at NK-SB-34, there is evidence that a surface release occurred. The source of the TPH contamination was probably the flammable and combustible materials used for fire-fighting training in this area.

Based on the results of the laboratory analyses of soil samples collected, soil removal in the vicinity of boring NK-SB-34 is warranted for this unit. Soil with TPH concentrations above the RDEC is recommended for excavation to avoid the use of an environmental land use restriction (ELUR) in this area. The maximum depth of the excavation required to meet the RDEC is approximately four feet.

April 1996 Remediation (LEA):

Description: As part of the Septic System Removal Project conducted in the Airport/Klondike Area, the soil contaminated with TPH that exceed the RDEC, in the vicinity of boring NK-SB-34, was excavated on April 22, 1997. The soil excavated from this area was disposed of off the site as a non-hazardous waste. The excavation has been identified as test pit NK-TP-19. The location of the test pit is shown on Drawing 1.

A total of four soil samples were collected from each of the four excavation sidewalls of NK-TP-19 on June 9, 1997. These soil samples were submitted to Quanterra Inc. (QNT) for analysis of VOCs, SVOCs, metals, and TPH. A summary of samples and analysis performed are included as Table 1.

On November 7, 1997, additional soil was excavated on the south side of test pit NK-TP-19 as shown on Drawing 1. The additional soil was excavated in response to the presence of TPH at a concentration exceeding the RDEC. A confirmational soil sample, FTAC-S was collected from the south excavation sidewall. This soil sample was submitted to Accutest for analysis of TPH.

Investigation Results: No visual or olfactory evidence of contamination was noted in the field paperwork. Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on Drawing 1.

TPH was detected at a concentration of 2,100 milligrams per kilogram (mg/kg) in the soil sample from the south side of test pit NK-TP-19 and submitted to QNT for analysis. One or more of the metals analyzed were detected in each of the samples submitted for analysis. These metals include barium, chromium, lead, nickel, and zinc.

Upon completion of the additional soil excavation on the south side of test pit NK-TP-19, TPH was detected at a concentration of 37.4 mg/kg in the confirmational soil sample collected from the south excavation sidewall.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSRs and the site-wide background soil concentrations for various inorganic constituents (Fuss & O'Neill, 1994). The concentrations of the metals detected in the soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil no exceedances of the default numeric RDEC or IDEC were noted.

VOCs and SVOCs were not detected in the confirmational soil samples collected and analyzed for this unit. Based on the results of the laboratory analyses of confirmational soil samples collected and analyzed for this unit, there is evidence that a release occurred from this unit. With the remediation conducted, the confirmational soil samples collected and analyzed indicate that the area has been adequately remediated and no further action is warranted for this unit. Upon completion of the excavation, no exceedances of the default numeric RDEC, IDEC, or GBPMC for TPH were noted.

REFERENCES:

Fuss & O'Neill, Inc. June 1995, *Soil Sampling Background Areas – North Klondike*, prepared for Pratt & Whitney.

Keystone Aerial Surveys, Inc. 1965, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1970, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1975, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Metcalf & Eddy, Inc. July 1993, *Draft Report - Klondike Area Site Investigation, UTC / Pratt & Whitney Facility, East Hartford, CT,* prepared for Pratt & Whitney.

P&W Photographic Services Department, 1977, *Aerial Photograph, Negative* Z-36268, Pratt & Whitney, East Hartford, CT.

TABLES

Table 1

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: Fire Training Area C

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-GP-05	1016953	1/ 1/93			GW	x								
NK-GP-06	1016954	1/ 1/93			GW	x								
NK-GP-07	1016955	1/ 1/93			GW	x								
NK-SB-33	1016052	7/17/96	0	2	SB	x								
NK-SB-33	1016053	7/17/96	2	4	SB	x	x	x				X	X	x
NK-SB-33	1016054	7/17/96	4	6	SB	x								
NK-SB-33	1016055	7/17/96	6	8	SB	x	x	x				X		x
NK-SB-33	1016056	7/17/96	8	10	SB	x								
NK-SB-33	1016057	7/17/96	10	12	SB	x								
NK-SB-33	1016058	7/17/96	12	14	SB	x								
NK-SB-33	1016059	7/17/96	14	15	SB	x								
NK-SB-34	1016070	7/18/96	0	2	SRB	x	x	x				X	X	X
NK-SB-34	1016071	7/18/96	2	4	SRB	x								
NK-SB-34	1016072	7/18/96	4	6	SB	x								
NK-SB-34	1016073	7/18/96	4	6	SB	x								
NK-SB-34	1016074	7/18/96	6	8	SB	x	x	x				X		x
NK-SB-34	1016075	7/18/96	8	10	SB	x								
NK-SB-34	1016076	7/18/96	10	12	SB	x								
NK-SB-34	1016077	7/18/96	12	14	SB	x								
NK-SB-34	1016078	7/18/96	14	15	SB	x								
NK-SB-35	1016060	7/17/96	0	2	SB	x								
NK-SB-35	1016061	7/17/96	2	4	SB	x	x	x				X	X	x
NK-SB-35	1016062	7/17/96	4	6	SB	x								
NK-SB-35	1016063	7/17/96	6	8	SB	x	x	x				X		x
NK-SB-35	1016064	7/17/96	8	10	SB	x								
NK-SB-35	1016065	7/17/96	10	12	SB	x								
NK-SB-35	1016066	7/17/96	12	14	SB	x								
NK-SB-35	1016067	7/17/96	14	15	SB	x								
NK-SB-81	1018830	10/ 4/96	0	2	SB	x								x
NK-SB-81	1018831	10/ 4/96	2	4	SB	x								x
NK-SB-81	1018832	10/ 4/96	2	4	SB	x								x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
2. Printed on 06/02/98

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Table 1

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SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION
P&W East Hartford: Fire Training Area C

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
NK-SB-81	1018833	10/ 4/96	4	6	SB	x								x
NK-SB-82	1018849	10/ 4/96	0	2	SB	x								X
NK-SB-82	1018850	10/ 4/96	2	4	SB	x								x
NK-SB-82	1018851	10/ 4/96	4	6	SB	x								x
NK-SB-83	1018834	10/ 4/96	0	2	SB	x								x
NK-SB-83	1018835	10/ 4/96	2	4	SB	x								x
NK-SB-83	1018836	10/ 4/96	4	6	SB	x								x
NK-SB-84	1018837	10/ 4/96	0	2	SB	x								x
NK-SB-84	1018838	10/ 4/96	2	4	SB	x								x
NK-SB-84	1018839	10/ 4/96	4	6	SB	x								x
NK-SB-85	1018843	10/ 4/96	0	2	SB	x								x
NK-SB-85	1018844	10/ 4/96	2	4	SB	x								x
NK-SB-85	1018845	10/ 4/96	4	6	SB	x								x
NK-SB-86	1018846	10/ 4/96	0	2	SB	x								x
NK-SB-86	1018847	10/ 4/96	2	4	SB	x								x
NK-SB-86	1018848	10/ 4/96	4	6	SB	x								x
NK-SB-87	1018840	10/ 4/96	0	2	SB	x								x
NK-SB-87	1018841	10/ 4/96	2	4	SB	x								x
NK-SB-87	1018842	10/ 4/96	4	6	SB	x								x
NK-TP-19E	1635112	6/ 9/97			SS		x	x				X		x
NK-TP-19N	1635110	6/ 9/97	2.80		SS		x	x				X		x
NK-TP-19S	1635111	6/ 9/97			SRS		x	x				X		X
NK-TP-19W	1635113	6/ 9/97			SS		x	x				X		x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit
2. Printed on 06/02/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016053	1016053	1016055	1016074	1016061	1016061	1016063
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:41	12:41	13:20	10:59	14:12	14:12	14:35
	Sample Depth	2' - 4'	2' - 4'	6' - 8'	6' - 8'	2' - 4'	2' - 4'	6' - 8'
	Laboratory	AEL	AEL	AEL	AEL	AEL	AEL	AEL
	Lab. Number	AEL96008034	AEL96010899	AEL96008035	AEL96008039	AEL96008036	AEL96010901	AEL96008037
Constituent	Units							
Date Metals Analyzed	-	07/29/1996		07/29/1996	08/01/1996	07/29/1996		07/29/1996
Date of Metals SPLP Analysis	-		10/24/1996				10/24/1996	
Date of Other SPLP Analysis	-		10/16/1996				10/16/1996	
Extraction Fluid No.	-		1				1	
Arsenic	mg/kg							
Barium	**mg/kg**	**12.4**		**18.6**	**16.3**	**17.1**		**20.9**
Chromium	**mg/kg**	**5.93**		**8**	**6.82**	**6.78**		**7.78**
Lead	**mg/kg**							
Nickel	**mg/kg**							
Zinc	mg/kg	8.78		12.8	23.9	12.9		17.6
Zinc (SPLP)	mg/L		0.099				0.078	
Total Petroleum Hydrocarbons	mg/kg							

Notes: 1. Only Detects Shown

2. Printed on 06/02/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-82	NK-TP-19E	NK-TP-19N	NK-TP-19W			
	Sample ID	1018849	1635112	1635110	1635113			
	Sample Date	10/04/1996	06/09/1997	06/09/1997	06/09/1997			
	Sample Time	15:25	08:07	08:00	08:09			
	Sample Depth	0' - 2'		2.80'				
	Laboratory	AEL	QUAN	QUAN	QUAN			
	Lab. Number	AEL96011373	A7F100149003	A7F100149001	A7F100149004			
Constituent	Units							
Date Metals Analyzed	-		06/26/1997	06/26/1997	06/26/1997			
Date of Metals SPLP Analysis	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Arsenic	mg/kg		1.5		1.3			
Barium	mg/kg							
Chromium	mg/kg		6.3	5.8	5.4			
Lead	mg/kg		1.9	1.8	2.2			
Nickel	mg/kg		7.7	8.1	6.8			
Zinc	mg/kg							
Zinc (SPLP)	mg/L							
Total Petroleum Hydrocarbons	mg/kg	182						

Notes: 1. Only Detects Shown
2. Printed on 06/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Date Metals Analyzed	-		07/29/1996				07/29/1996	
Date Organics Analyzed	-	07/22/1996	07/27/1996		07/22/1996	07/22/1996	07/27/1996	07/22/1996
Date Semi-volatile Organics Analyzed	-		08/01/1996				08/01/1996	
Date of Metals SPLP Analysis	-			10/24/1996				
Date of Metals SPLP Extraction	-			<				
Date of Other SPLP Analysis	-			10/16/1996				
Extraction Fluid No.	-			1				
Dinoseb	µg/kg							
Arsenic	mg/kg		<1.1				<1.31	
Arsenic (SPLP)	mg/L			<0.010				
Barium	mg/kg		12.4				18.6	
Barium (SPLP)	mg/L			<1.00				
Cadmium	mg/kg		<3.29				<3.93	
Cadmium (SPLP)	mg/L			<0.0010				
Chromium	mg/kg		5.93				8	
Chromium (SPLP)	mg/L			<0.050				
Lead	mg/kg		<22				<26.2	
Lead (SPLP)	mg/L			<0.0050				
Mercury	mg/kg		<0.22				<0.262	
Mercury (SPLP)	mg/L			<0.0020				
Nickel	mg/kg		<11				<13.1	
Nickel (SPLP)	mg/L			<0.10				
Selenium	mg/kg		<1.1				<1.31	
Selenium (SPLP)	mg/L			<0.010				
Silver	mg/kg		<5.49				<6.55	
Silver (SPLP)	mg/L			<0.020				
Zinc	mg/kg		8.78				12.8	
Zinc (SPLP)	mg/L			0.099				

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<36.9				<42.0	
Acenaphthene	µg/kg		<370				<430	
Acenaphthylene	µg/kg		<370				<430	
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg		<370				<430	
Benzidine	µg/kg		<370				<430	
Benzo[a]anthracene	µg/kg		<370				<430	
Benzo[a]pyrene	µg/kg		<370				<430	
Benzo[b]fluoranthene	µg/kg		<370				<430	
Benzo[ghi]perylene	µg/kg		<370				<430	
Benzo[k]fluoranthene	µg/kg		<370				<430	
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg		<370				<430	
Bis(2-chloroethyl) Ether	µg/kg		<370				<430	
Bis(2-ethylhexyl) Phthalate	µg/kg		<370				<430	
Bromophenyl Phenyl Ether,4-	µg/kg		<370				<430	
Butyl Benzyl Phthalate	µg/kg		<370				<430	
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg		<370				<430	
Chlorophenol,2-	µg/kg		<370				<430	
Chlorophenyl Phenyl Ether,4-	µg/kg		<370				<430	
Chrysene	µg/kg		<370				<430	
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg		<370				<430	
Di-n-octyl Phthalate	µg/kg		<370				<430	
Dibenzo[a,h]anthracene	µg/kg		<370				<430	
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg		<370				<430	
Dichlorophenol,2,4-	µg/kg		<370				<430	
Diethyl Phthalate	µg/kg		<370				<430	
Dimethyl Phthalate	µg/kg		<370				<430	
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg		<370				<430	
Dinitro-o-cresol,4,6-	µg/kg		<370				<430	
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg		<370				<430	
Dinitrotoluene,2,4-	µg/kg		<370				<430	
Dinitrotoluene,2,6-	µg/kg		<370				<430	

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg		<370				<430	
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg		<370				<430	
Fluorene	µg/kg		<370				<430	
Hexachlorobenzene	µg/kg		<370				<430	
Hexachlorobutadiene	µg/kg		<370				<430	
Hexachlorocyclopentadiene	µg/kg		<370				<430	
Hexachloroethane	µg/kg		<370				<430	
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg		<370				<430	
Isophorone	µg/kg		<370				<430	
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg		<370				<430	
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg		<370				<430	
N-nitrosodiphenylamine	µg/kg		<370				<430	
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg		<370				<430	
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg		<370				<430	
Nitrophenol,2-	µg/kg		<370				<430	
Nitrophenol,4-	µg/kg		<370				<430	
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg		<370				<430	
Phenacetin	µg/kg							
Phenanthrene	µg/kg		<370				<430	
Phenol	µg/kg		<370				<430	
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg		<370				<430	
Pyrene	µg/kg		<370				<430	
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg		<370				<430	
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg		<370				<430	

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg		<32				<30	
Acetonitrile	µg/kg							
Acrolein	µg/kg		<16				<15	
Acrylonitrile	µg/kg		<16				<15	
Allyl Chloride	µg/kg							
Benzene	µg/kg		<6.5				<6.0	
Benzene (screening)	µg/kg	<17			<15	<17		<16
Bromobenzene	µg/kg		<6.5				<6.0	
Bromoform	µg/kg		<6.5				<6.0	
Carbon Disulfide	µg/kg		<6.5				<6.0	
Carbon Tetrachloride	µg/kg		<6.5				<6.0	
Chlorobenzene	µg/kg		<6.5				<6.0	
Chlorodibromomethane	µg/kg		<6.5				<6.0	
Chloroethane	µg/kg		<6.5				<6.0	
Chloroethyl Vinyl Ether,2-	µg/kg		<6.5				<6.0	
Chloroform	µg/kg		<6.5				<6.0	
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg		<6.5				<6.0	
Chlorotoluene,p-	µg/kg		<6.5				<6.0	
Dibromomethane	µg/kg		<6.5				<6.0	
Dichlorobenzene,1,2-	µg/kg		<6.5				<6.0	
Dichlorobenzene,1,3-	µg/kg		<6.5				<6.0	
Dichlorobenzene,1,4-	µg/kg		<6.5				<6.0	
Dichlorobromomethane	µg/kg		<6.5				<6.0	
Dichlorodifluoromethane	µg/kg		<6.5				<6.0	
Dichloroethane,1,1-	µg/kg		<6.5				<6.0	

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Dichloroethane,1,2-	µg/kg		<6.5				<6.0	
Dichloroethylene,1,1-	µg/kg		<6.5				<6.0	
Dichloroethylene,1,2-cis-	µg/kg		<6.5				<6.0	
Dichloroethylene,1,2-trans-	µg/kg		<6.5				<6.0	
Dichloropropane,1,2-	µg/kg		<6.5				<6.0	
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg		<6.5				<6.0	
Dichloropropylene,1,3-trans-	µg/kg		<6.5				<6.0	
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg		<6.5				<6.0	
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg		<16				<15	
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg		<6.5				<6.0	
Methyl Chloride	µg/kg		<6.5				<6.0	
Methyl Ethyl Ketone	µg/kg		<16				<15	
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg		<16				<15	
Methyl-tert-butyl Ether	µg/kg		<6.5				<6.0	
Methylene Chloride	µg/kg		<6.5				<10	
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

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	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33
	Sample ID	1016052	1016053	1016053	1016053	1016054	1016055	1016055
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	12:30	12:41	12:41	12:41	13:12	13:20	13:20
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'
	Laboratory	LEA	AEL	AEL	LEA	LEA	AEL	LEA
	Lab. Number	96-3544-286	AEL96008034	AEL96010899	96-3545-287	96-3546-288	AEL96008035	96-3547-289
Constituent	Units							
Styrene	µg/kg		<6.5				<6.0	
Tetrachloroethane,1,1,1,2-	µg/kg		<6.5				<6.0	
Tetrachloroethane,1,1,2,2-	µg/kg		<6.5				<6.0	
Tetrachloroethylene	µg/kg		<6.5				<6.0	
Tetrachloroethylene (screening)	µg/kg	<26			<23	<25		<24
Toluene	µg/kg		<6.5				<6.0	
Toluene (screening)	µg/kg	<25			<21	<23		<22
Trichloroethane,1,1,1-	µg/kg		<6.5				<6.0	
Trichloroethane,1,1,1- (screening)	µg/kg	<424			<368	<406		<382
Trichloroethane,1,1,2-	µg/kg		<6.5				<6.0	
Trichloroethylene	µg/kg		<6.5				<6.0	
Trichloroethylene (screening)	µg/kg	<41			<36	<39		<37
Trichloromonofluoromethane	µg/kg		<6.5				<6.0	
Trichloropropane,1,2,3-	µg/kg		<6.5				<6.0	
Vinyl Acetate	µg/kg		<6.5				<6.0	
Vinyl Chloride	µg/kg		<6.5				<6.0	
Xylenes (Total)	µg/kg		<6.5				<6.0	
Xylenes (Total) (screening)	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

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	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Date Metals Analyzed	-							08/01/1996
Date Organics Analyzed	-	07/22/1996	07/22/1996	07/22/1996	07/22/1996	07/23/1996	07/23/1996	07/30/1996
Date Semi-volatile Organics Analyzed	-							08/08/1996
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							<1.2
Arsenic (SPLP)	mg/L							
Barium	mg/kg							16.3
Barium (SPLP)	mg/L							
Cadmium	mg/kg							<3.59
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							6.82
Chromium (SPLP)	mg/L							
Lead	mg/kg							<23.9
Lead (SPLP)	mg/L							
Mercury	mg/kg							<0.239
Mercury (SPLP)	mg/L							
Nickel	mg/kg							<12
Nickel (SPLP)	mg/L							
Selenium	mg/kg							<1.2
Selenium (SPLP)	mg/L							
Silver	mg/kg							<5.99
Silver (SPLP)	mg/L							
Zinc	mg/kg							23.9
Zinc (SPLP)	mg/L							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

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	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							<39.6
Acenaphthene	µg/kg							<400
Acenaphthylene	µg/kg							<400
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							<400
Benzidine	µg/kg							<400
Benzo[a]anthracene	µg/kg							<400
Benzo[a]pyrene	µg/kg							<400
Benzo[b]fluoranthene	µg/kg							<400
Benzo[ghi]perylene	µg/kg							<400
Benzo[k]fluoranthene	µg/kg							<400
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							<400
Bis(2-chloroethyl) Ether	µg/kg							<400
Bis(2-ethylhexyl) Phthalate	µg/kg							<400
Bromophenyl Phenyl Ether,4-	µg/kg							<400
Butyl Benzyl Phthalate	µg/kg							<400
Carbazole	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

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	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							<400
Chlorophenol,2-	µg/kg							<400
Chlorophenyl Phenyl Ether,4-	µg/kg							<400
Chrysene	µg/kg							<400
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							<800
Di-n-octyl Phthalate	µg/kg							<400
Dibenzo[a,h]anthracene	µg/kg							<400
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							<400
Dichlorophenol,2,4-	µg/kg							<400
Diethyl Phthalate	µg/kg							<400
Dimethyl Phthalate	µg/kg							<400
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							<400
Dinitro-o-cresol,4,6-	µg/kg							<400
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							<400
Dinitrotoluene,2,4-	µg/kg							<400
Dinitrotoluene,2,6-	µg/kg							<400

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							<400
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							<400
Fluorene	µg/kg							<400
Hexachlorobenzene	µg/kg							<400
Hexachlorobutadiene	µg/kg							<400
Hexachlorocyclopentadiene	µg/kg							<400
Hexachloroethane	µg/kg							<400
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							<400
Isophorone	µg/kg							<400
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							<400
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							<400
N-nitrosodiphenylamine	µg/kg							<400
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							<400
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							<400
Nitrophenol,2-	µg/kg							<400
Nitrophenol,4-	µg/kg							<400
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							<400
Phenacetin	µg/kg							
Phenanthrene	µg/kg							<400
Phenol	µg/kg							<400
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							<400
Pyrene	µg/kg							<400
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							<400
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							<400

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							<40
Acetonitrile	µg/kg							
Acrolein	µg/kg							<16
Acrylonitrile	µg/kg							<16
Allyl Chloride	µg/kg							
Benzene	µg/kg							<6.4
Benzene (screening)	µg/kg	<17	<15	<14	<15	<17	<15	
Bromobenzene	µg/kg							<6.4
Bromoform	µg/kg							<6.4
Carbon Disulfide	µg/kg							<6.4
Carbon Tetrachloride	µg/kg							<6.4
Chlorobenzene	µg/kg							<6.4
Chlorodibromomethane	µg/kg							<6.4
Chloroethane	µg/kg							<6.4
Chloroethyl Vinyl Ether,2-	µg/kg							<6.4
Chloroform	µg/kg							<6.4
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							<6.4
Chlorotoluene,p-	µg/kg							<6.4
Dibromomethane	µg/kg							<6.4
Dichlorobenzene,1,2-	µg/kg							<6.4
Dichlorobenzene,1,3-	µg/kg							<6.4
Dichlorobenzene,1,4-	µg/kg							<6.4
Dichlorobromomethane	µg/kg							<6.4
Dichlorodifluoromethane	µg/kg							<6.4
Dichloroethane,1,1-	µg/kg							<6.4

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Dichloroethane,1,2-	µg/kg							<6.4
Dichloroethylene,1,1-	µg/kg							<6.4
Dichloroethylene,1,2-cis-	µg/kg							<6.4
Dichloroethylene,1,2-trans-	µg/kg							<6.4
Dichloropropane,1,2-	µg/kg							<6.4
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							<6.4
Dichloropropylene,1,3-trans-	µg/kg							<6.4
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							<6.4
Ethylbenzene (screening)	µg/kg					<25	<22	
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							<16
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							<6.4
Methyl Chloride	µg/kg							<6.4
Methyl Ethyl Ketone	µg/kg							<16
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							<16
Methyl-tert-butyl Ether	µg/kg							<6.4
Methylene Chloride	µg/kg							<7.9
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-33	NK-SB-34	NK-SB-34	NK-SB-34
	Sample ID	1016056	1016057	1016058	1016059	1016072	1016073	1016074
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/18/1996	07/18/1996	07/18/1996
	Sample Time	13:20	13:28	13:40	13:49	10:42	10:52	10:59
	Sample Depth	8' - 10'	10' - 12'	12' - 14'	14' - 15'	4' - 6'	4' - 6'	6' - 8'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3548-290	96-3549-291	96-3550-292	96-3551-293	96-3580-327	96-3581-328	AEL96008039
Constituent	Units							
Styrene	µg/kg							<6.4
Tetrachloroethane,1,1,1,2-	µg/kg							<6.4
Tetrachloroethane,1,1,2,2-	µg/kg							<6.4
Tetrachloroethylene	µg/kg							<6.4
Tetrachloroethylene (screening)	µg/kg	<26	<23	<21	<23	<26	<23	
Toluene	µg/kg							<6.4
Toluene (screening)	µg/kg	<24	<21	<20	<21	<24	<21	
Trichloroethane,1,1,1-	µg/kg							<6.4
Trichloroethane,1,1,1- (screening)	µg/kg	<415	<361	<342	<361	<415	<368	
Trichloroethane,1,1,2-	µg/kg							<6.4
Trichloroethylene	µg/kg							<6.4
Trichloroethylene (screening)	µg/kg	<40	<35	<33	<35	<40	<36	
Trichloromonofluoromethane	µg/kg							<6.4
Trichloropropane,1,2,3-	µg/kg							<6.4
Vinyl Acetate	µg/kg							<6.4
Vinyl Chloride	µg/kg							<6.4
Xylenes (Total)	µg/kg							<6.4
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Date Metals Analyzed	-							07/29/1996
Date Organics Analyzed	-	07/23/1996	07/23/1996	07/23/1996	07/23/1996	07/23/1996	07/22/1996	07/27/1996
Date Semi-volatile Organics Analyzed	-							08/01/1996
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							<1.17
Arsenic (SPLP)	mg/L							
Barium	mg/kg							17.1
Barium (SPLP)	mg/L							
Cadmium	mg/kg							<3.51
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							6.78
Chromium (SPLP)	mg/L							
Lead	mg/kg							<23.4
Lead (SPLP)	mg/L							
Mercury	mg/kg							<0.234
Mercury (SPLP)	mg/L							
Nickel	mg/kg							<11.7
Nickel (SPLP)	mg/L							
Selenium	mg/kg							<1.17
Selenium (SPLP)	mg/L							
Silver	mg/kg							<5.85
Silver (SPLP)	mg/L							
Zinc	mg/kg							12.9
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							<38.8
Acenaphthene	µg/kg							<390
Acenaphthylene	µg/kg							<390
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							<390
Benzidine	µg/kg							<390
Benzo[a]anthracene	µg/kg							<390
Benzo[a]pyrene	µg/kg							<390
Benzo[b]fluoranthene	µg/kg							<390
Benzo[ghi]perylene	µg/kg							<390
Benzo[k]fluoranthene	µg/kg							<390
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							<390
Bis(2-chloroethyl) Ether	µg/kg							<390
Bis(2-ethylhexyl) Phthalate	µg/kg							<390
Bromophenyl Phenyl Ether,4-	µg/kg							<390
Butyl Benzyl Phthalate	µg/kg							<390
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							<390
Chlorophenol,2-	µg/kg							<390
Chlorophenyl Phenyl Ether,4-	µg/kg							<390
Chrysene	µg/kg							<390
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							<390
Di-n-octyl Phthalate	µg/kg							<390
Dibenzo[a,h]anthracene	µg/kg							<390
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							<390
Dichlorophenol,2,4-	µg/kg							<390
Diethyl Phthalate	µg/kg							<390
Dimethyl Phthalate	µg/kg							<390
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							<390
Dinitro-o-cresol,4,6-	µg/kg							<390
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							<390
Dinitrotoluene,2,4-	µg/kg							<390
Dinitrotoluene,2,6-	µg/kg							<390

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							<390
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							<390
Fluorene	µg/kg							<390
Hexachlorobenzene	µg/kg							<390
Hexachlorobutadiene	µg/kg							<390
Hexachlorocyclopentadiene	µg/kg							<390
Hexachloroethane	µg/kg							<390
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							<390
Isophorone	µg/kg							<390
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							<390
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							<390
N-nitrosodiphenylamine	µg/kg							<390
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							<390
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							<390
Nitrophenol,2-	µg/kg							<390
Nitrophenol,4-	µg/kg							<390
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							<390
Phenacetin	µg/kg							
Phenanthrene	µg/kg							<390
Phenol	µg/kg							<390
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							<390
Pyrene	µg/kg							<390
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							<390
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							<390

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							<30
Acetonitrile	µg/kg							
Acrolein	µg/kg							<15
Acrylonitrile	µg/kg							<15
Allyl Chloride	µg/kg							
Benzene	µg/kg							<6.1
Benzene (screening)	µg/kg	<15	<12	<16	<16	<14	<16	
Bromobenzene	µg/kg							<6.1
Bromoform	µg/kg							<6.1
Carbon Disulfide	µg/kg							<6.1
Carbon Tetrachloride	µg/kg							<6.1
Chlorobenzene	µg/kg							<6.1
Chlorodibromomethane	µg/kg							<6.1
Chloroethane	µg/kg							<6.1
Chloroethyl Vinyl Ether,2-	µg/kg							<6.1
Chloroform	µg/kg							<6.1
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							<6.1
Chlorotoluene,p-	µg/kg							<6.1
Dibromomethane	µg/kg							<6.1
Dichlorobenzene,1,2-	µg/kg							<6.1
Dichlorobenzene,1,3-	µg/kg							<6.1
Dichlorobenzene,1,4-	µg/kg							<6.1
Dichlorobromomethane	µg/kg							<6.1
Dichlorodifluoromethane	µg/kg							<6.1
Dichloroethane,1,1-	µg/kg							<6.1

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Dichloroethane,1,2-	µg/kg							<6.1
Dichloroethylene,1,1-	µg/kg							<6.1
Dichloroethylene,1,2-cis-	µg/kg							<6.1
Dichloroethylene,1,2-trans-	µg/kg							<6.1
Dichloropropane,1,2-	µg/kg							<6.1
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							<6.1
Dichloropropylene,1,3-trans-	µg/kg							<6.1
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							<6.1
Ethylbenzene (screening)	µg/kg	<21	<18	<23	<23	<21		
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							<15
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							<6.1
Methyl Chloride	µg/kg							<6.1
Methyl Ethyl Ketone	µg/kg							<15
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							<15
Methyl-tert-butyl Ether	µg/kg							<6.1
Methylene Chloride	µg/kg							<11
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-34	NK-SB-35	NK-SB-35
	Sample ID	1016074	1016075	1016076	1016077	1016078	1016060	1016061
	Sample Date	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/18/1996	07/17/1996	07/17/1996
	Sample Time	10:59	11:07	11:14	11:30	11:42	14:08	14:12
	Sample Depth	6' - 8'	8' - 10'	10' - 12'	12' - 14'	14' - 15'	0' - 2'	2' - 4'
	Laboratory	LEA	LEA	LEA	LEA	LEA	LEA	AEL
	Lab. Number	96-3572-319	96-3573-320	96-3574-321	96-3575-322	96-3582-329	96-3552-294	AEL96008036
Constituent	Units							
Styrene	µg/kg							<6.1
Tetrachloroethane,1,1,1,2-	µg/kg							<6.1
Tetrachloroethane,1,1,2,2-	µg/kg							<6.1
Tetrachloroethylene	µg/kg							<6.1
Tetrachloroethylene (screening)	µg/kg	<23	<18	<24	<24	<22	<24	
Toluene	µg/kg							<6.1
Toluene (screening)	µg/kg	<21	<17	<22	<22	<20	<23	
Trichloroethane,1,1,1-	µg/kg							<6.1
Trichloroethane,1,1,1- (screening)	µg/kg	<361	<295	<382	<382	<348	<390	
Trichloroethane,1,1,2-	µg/kg							<6.1
Trichloroethylene	µg/kg							<6.1
Trichloroethylene (screening)	µg/kg	<35	<29	<37	<37	<34	<38	
Trichloromonofluoromethane	µg/kg							<6.1
Trichloropropane,1,2,3-	µg/kg							<6.1
Vinyl Acetate	µg/kg							<6.1
Vinyl Chloride	µg/kg							<6.1
Xylenes (Total)	µg/kg							<6.1
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

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	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Date Metals Analyzed	-				07/29/1996			
Date Organics Analyzed	-		07/22/1996	07/22/1996	07/27/1996	07/22/1996	07/22/1996	07/22/1996
Date Semi-volatile Organics Analyzed	-				08/01/1996			
Date of Metals SPLP Analysis	-	10/24/1996						
Date of Metals SPLP Extraction	-	<						
Date of Other SPLP Analysis	-	10/16/1996						
Extraction Fluid No.	-	1						
Dinoseb	µg/kg							
Arsenic	mg/kg				<1.22			
Arsenic (SPLP)	mg/L	<0.010						
Barium	mg/kg				20.9			
Barium (SPLP)	mg/L	<1.00						
Cadmium	mg/kg				<3.65			
Cadmium (SPLP)	mg/L	<0.0010						
Chromium	mg/kg				7.78			
Chromium (SPLP)	mg/L	<0.050						
Lead	mg/kg				<24.3			
Lead (SPLP)	mg/L	<0.0050						
Mercury	mg/kg				<0.243			
Mercury (SPLP)	mg/L	<0.0020						
Nickel	mg/kg				<12.2			
Nickel (SPLP)	mg/L	<0.10						
Selenium	mg/kg				<1.22			
Selenium (SPLP)	mg/L	<0.010						
Silver	mg/kg				<6.08			
Silver (SPLP)	mg/L	<0.020						
Zinc	mg/kg				17.6			
Zinc (SPLP)	mg/L	0.078						

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg				<41.7			
Acenaphthene	µg/kg				<420			
Acenaphthylene	µg/kg				<420			
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg				<420			
Benzidine	µg/kg				<420			
Benzo[a]anthracene	µg/kg				<420			
Benzo[a]pyrene	µg/kg				<420			
Benzo[b]fluoranthene	µg/kg				<420			
Benzo[ghi]perylene	µg/kg				<420			
Benzo[k]fluoranthene	µg/kg				<420			
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg				<420			
Bis(2-chloroethyl) Ether	µg/kg				<420			
Bis(2-ethylhexyl) Phthalate	µg/kg				<420			
Bromophenyl Phenyl Ether,4-	µg/kg				<420			
Butyl Benzyl Phthalate	µg/kg				<420			
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg				<420			
Chlorophenol,2-	µg/kg				<420			
Chlorophenyl Phenyl Ether,4-	µg/kg				<420			
Chrysene	µg/kg				<420			
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg				<420			
Di-n-octyl Phthalate	µg/kg				<420			
Dibenzo[a,h]anthracene	µg/kg				<420			
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg				<420			
Dichlorophenol,2,4-	µg/kg				<420			
Diethyl Phthalate	µg/kg				<420			
Dimethyl Phthalate	µg/kg				<420			
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg				<420			
Dinitro-o-cresol,4,6-	µg/kg				<420			
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg				<420			
Dinitrotoluene,2,4-	µg/kg				<420			
Dinitrotoluene,2,6-	µg/kg				<420			

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg				<420			
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg				<420			
Fluorene	µg/kg				<420			
Hexachlorobenzene	µg/kg				<420			
Hexachlorobutadiene	µg/kg				<420			
Hexachlorocyclopentadiene	µg/kg				<420			
Hexachloroethane	µg/kg				<420			
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg				<420			
Isophorone	µg/kg				<420			
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg				<420			
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg				<420			
N-nitrosodiphenylamine	µg/kg				<420			
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg				<420			
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg				<420			
Nitrophenol,2-	µg/kg				<420			
Nitrophenol,4-	µg/kg				<420			
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg				<420			
Phenacetin	µg/kg							
Phenanthrene	µg/kg				<420			
Phenol	µg/kg				<420			
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg				<420			
Pyrene	µg/kg				<420			
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg				<420			
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg				<420			

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg				<39			
Acetonitrile	µg/kg							
Acrolein	µg/kg				<20			
Acrylonitrile	µg/kg				<20			
Allyl Chloride	µg/kg							
Benzene	µg/kg				<7.9			
Benzene (screening)	µg/kg		<13	<15		<13	<14	<15
Bromobenzene	µg/kg				<7.9			
Bromoform	µg/kg				<7.9			
Carbon Disulfide	µg/kg				<7.9			
Carbon Tetrachloride	µg/kg				<7.9			
Chlorobenzene	µg/kg				<7.9			
Chlorodibromomethane	µg/kg				<7.9			
Chloroethane	µg/kg				<7.9			
Chloroethyl Vinyl Ether,2-	µg/kg				<7.9			
Chloroform	µg/kg				<7.9			
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg				<7.9			
Chlorotoluene,p-	µg/kg				<7.9			
Dibromomethane	µg/kg				<7.9			
Dichlorobenzene,1,2-	µg/kg				<7.9			
Dichlorobenzene,1,3-	µg/kg				<7.9			
Dichlorobenzene,1,4-	µg/kg				<7.9			
Dichlorobromomethane	µg/kg				<7.9			
Dichlorodifluoromethane	µg/kg				<7.9			
Dichloroethane,1,1-	µg/kg				<7.9			

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Dichloroethane,1,2-	µg/kg				<7.9			
Dichloroethylene,1,1-	µg/kg				<7.9			
Dichloroethylene,1,2-cis-	µg/kg				<7.9			
Dichloroethylene,1,2-trans-	µg/kg				<7.9			
Dichloropropane,1,2-	µg/kg				<7.9			
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg				<7.9			
Dichloropropylene,1,3-trans-	µg/kg				<7.9			
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg				<7.9			
Ethylbenzene (screening)	µg/kg							
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg				<20			
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg				<7.9			
Methyl Chloride	µg/kg				<7.9			
Methyl Ethyl Ketone	µg/kg				<20			
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg				<20			
Methyl-tert-butyl Ether	µg/kg				<7.9			
Methylene Chloride	µg/kg				<12			
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35	NK-SB-35
	Sample ID	1016061	1016061	1016062	1016063	1016063	1016064	1016065
	Sample Date	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996	07/17/1996
	Sample Time	14:12	14:12	14:25	14:35	14:35	14:43	14:8
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	8' - 10'	10' - 12'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96010901	96-3553-295	96-3554-296	AEL96008037	96-3556-298	96-3557-299	96-3558-300
Constituent	Units							
Styrene	µg/kg				<7.9			
Tetrachloroethane,1,1,1,2-	µg/kg				<7.9			
Tetrachloroethane,1,1,2,2-	µg/kg				<7.9			
Tetrachloroethylene	µg/kg				<7.9			
Tetrachloroethylene (screening)	µg/kg		<20	<23		<20	<21	<23
Toluene	µg/kg				<7.9			
Toluene (screening)	µg/kg		<18	<21		<18	<20	<22
Trichloroethane,1,1,1-	µg/kg				<7.9			
Trichloroethane,1,1,1- (screening)	µg/kg		<320	<368		<315	<342	<375
Trichloroethane,1,1,2-	µg/kg				<7.9			
Trichloroethylene	µg/kg				<7.9			
Trichloroethylene (screening)	µg/kg		<31	<36		<31	<33	<36
Trichloromonofluoromethane	µg/kg				<7.9			
Trichloropropane,1,2,3-	µg/kg				<7.9			
Vinyl Acetate	µg/kg				<7.9			
Vinyl Chloride	µg/kg				<7.9			
Xylenes (Total)	µg/kg				<7.9			
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	07/22/1996	07/22/1996		10/07/1996		10/07/1996	
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg			<36.4		<37.6		<36.8
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl) Phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							
Phenacetin	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<16	<17		<8		<8	
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							

Notes: 1. Printed on 06/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<23			<17		<17	
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-35	NK-SB-35	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-81
	Sample ID	1016066	1016067	1018830	1018830	1018831	1018831	1018832
	Sample Date	07/17/1996	07/17/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:18	15:28	11:00	11:00	11:10	11:10	11:20
	Sample Depth	12' - 14'	14' - 15'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	2' - 4'
	Laboratory	LEA	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	96-3559-301	96-3560-302	AEL96011354	96-4940-140	AEL96011355	96-4945-145	AEL96011356
Constituent	Units							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<24	<26		<21		<22	
Toluene	µg/kg							
Toluene (screening)	µg/kg	<23	<24		<12		<12	
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<390	<415		<211		<219	
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<38	<40		<21		<22	
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg	<48						

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

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	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	10/07/1996		10/07/1996		10/07/1996		10/07/1996
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<40.5		182		<41.0	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl) Phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							
Phenacetin	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<7		<6		<7		<8
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<15		<13		<16		<16
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-81	NK-SB-81	NK-SB-81	NK-SB-82	NK-SB-82	NK-SB-82	NK-SB-82
	Sample ID	1018832	1018833	1018833	1018849	1018849	1018850	1018850
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	11:20	11:30	11:30	15:25	15:25	15:30	15:30
	Sample Depth	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4942-142	AEL96011357	96-4941-141	AEL96011373	96-4961-162	AEL96011374	96-4962-163
Constituent	Units							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<19		<17		<20		<21
Toluene	µg/kg							
Toluene (screening)	µg/kg	<10		<9		<11		<12
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<185		<168		<199		<207
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<18		<17		<20		<20
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-		10/07/1996		10/07/1996		10/07/1996	
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<40.4		<37.2		<36.4		<39.3
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl) Phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							
Phenacetin	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg		<8		<7		<8	
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg		<16		<14		<17	
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-82	NK-SB-82	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83	NK-SB-83
	Sample ID	1018851	1018851	1018834	1018834	1018835	1018835	1018836
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:40	15:40	11:40	11:40	11:50	11:50	12:00
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011375	96-4963-164	AEL96011358	96-4946-146	AEL96011359	96-4947-147	AEL96011360
Constituent	Units							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg		<21		<18		<21	
Toluene	µg/kg							
Toluene (screening)	µg/kg		<12		<10		<12	
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg		<207		<176		<211	
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg		<20		<17		<21	
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	10/07/1996		10/07/1996		10/07/1996		10/07/1996
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<35.9		<35.4		<40.1	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl) Phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							
Phenacetin	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<7		<8		<8		<8
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<15		<18		<16		<17
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-83	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84	NK-SB-84
	Sample ID	1018836	1018837	1018837	1018838	1018838	1018839	1018839
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	12:00	13:20	13:20	13:40	13:40	13:50	13:50
	Sample Depth	4' - 6'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4948-148	AEL96011361	96-4949-149	AEL96011362	96-4950-150	AEL96011363	96-4951-151
Constituent	Units							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<19		<23		<21		<22
Toluene	µg/kg							
Toluene (screening)	µg/kg	<10		<13		<12		<12
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<185		<229		<207		<219
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<18		<23		<20		<22
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

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	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-		10/07/1996		10/07/1996		10/07/1996	
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg	<36.1		<35.9		<40.4		<36.0
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl) Phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							
Phenacetin	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg		<8		<7		<7	
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg		<17		<15		<15	
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-85	NK-SB-86
	Sample ID	1018843	1018843	1018844	1018844	1018845	1018845	1018846
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	14:30	14:30	14:40	14:40	14:50	14:50	15:00
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'
	Laboratory	AEL	LEA	AEL	LEA	AEL	LEA	AEL
	Lab. Number	AEL96011367	96-4964-165	AEL96011368	96-4956-156	AEL96011369	96-4957-157	AEL96011370
Constituent	Units							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg		<22		<19		<19	
Toluene	µg/kg							
Toluene (screening)	µg/kg		<12		<10		<11	
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg		<219		<185		<188	
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg		<22		<18		<19	
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-	10/07/1996		10/07/1996		10/07/1996		10/07/1996
Date Semi-volatile Organics Analyzed	-							
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	µg/kg							
Arsenic	mg/kg							
Arsenic (SPLP)	mg/L							
Barium	mg/kg							
Barium (SPLP)	mg/L							
Cadmium	mg/kg							
Cadmium (SPLP)	mg/L							
Chromium	mg/kg							
Chromium (SPLP)	mg/L							
Lead	mg/kg							
Lead (SPLP)	mg/L							
Mercury	mg/kg							
Mercury (SPLP)	mg/L							
Nickel	mg/kg							
Nickel (SPLP)	mg/L							
Selenium	mg/kg							
Selenium (SPLP)	mg/L							
Silver	mg/kg							
Silver (SPLP)	mg/L							
Zinc	mg/kg							
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Acetylaminofluorene,2-	µg/kg							
Aramite	µg/kg							
Dibromo-3-chloropropane,1,2-	µg/kg							
Dimethoate	µg/kg							
Disulfoton	µg/kg							
Famphur	µg/kg							
Phorate	µg/kg							
Total Petroleum Hydrocarbons	mg/kg		<38.1		<40.4		<37.3	
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Acetophenone	µg/kg							
Aminobiphenyl,4-	µg/kg							
Aniline	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Benzoic Acid	µg/kg							
Benzyl Alcohol	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl) Phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							
Butyl Benzyl Phthalate	µg/kg							
Carbazole	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Chloro-m-cresol,p-	µg/kg							
Chloroaniline,4-	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Cresol,2-	µg/kg							
Cresol,3-	µg/kg							
Cresol,4-	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dibenzofuran	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylaminoazobenzene,4-	µg/kg							
Dimethylbenzidine,3,3'-	µg/kg							
Dimethylbenzo[a]anthracene,7,12-	µg/kg							
Dimethylphenethylamine,alpha,alpha-	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrobenzene,1,3-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Diphenylamine	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Ethyl Methanesulfonate	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Hexachloropropylene	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
Isosafrole	µg/kg							
Methapyrilene	µg/kg							
Methyl Methanesulfonate	µg/kg							
Methylcholanthrene,3-	µg/kg							
Methylnaphthalene,2-	µg/kg							
N-nitroso-di-n-butylamine	µg/kg							
N-nitroso-n-propylamine	µg/kg							
N-nitrosodiethylamine	µg/kg							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
N-nitrosomethylethylamine	µg/kg							
N-nitrosomorpholine	µg/kg							
N-nitrosopiperidine	µg/kg							
Naphthalene	µg/kg							
Naphthoquinone,1,4-	µg/kg							
Naphthylamine,alpha-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Naphthylamine,beta-	µg/kg							
Nitro-o-toluidine,5-	µg/kg							
Nitroaniline,2-	µg/kg							
Nitroaniline,3-	µg/kg							
Nitroaniline,4-	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Nitroquinoline-1-oxide,4-	µg/kg							
Nitrosopyrrolidine,n-	µg/kg							
Pentachlorophenol	µg/kg							
Phenacetin	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Phenylenediamine,1,4-	µg/kg							
Picoline,2-	µg/kg							
Pronamide	µg/kg							
Propane),2,2'-oxybis(1-chloro-	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Pyridine	µg/kg							
Safrole	µg/kg							
Tetrachlorobenzene,1,2,4,5-	µg/kg							
Tetrachlorophenol,2,3,4,6-	µg/kg							
Toluidine,o-	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,5-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							

Notes: 1. Printed on 06/02/98

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg							
Trinitrobenzene,1,3,5-	µg/kg							
Acetone	µg/kg							
Acetonitrile	µg/kg							
Acrolein	µg/kg							
Acrylonitrile	µg/kg							
Allyl Chloride	µg/kg							
Benzene	µg/kg							
Benzene (screening)	µg/kg	<8		<8		<8		<7
Bromobenzene	µg/kg							
Bromoform	µg/kg							
Carbon Disulfide	µg/kg							
Carbon Tetrachloride	µg/kg							
Chlorobenzene	µg/kg							
Chlorodibromomethane	µg/kg							
Chloroethane	µg/kg							
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg							
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg							
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg							
Dichlorodifluoromethane	µg/kg							
Dichloroethane,1,1-	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Dichloroethane,1,2-	µg/kg							
Dichloroethylene,1,1-	µg/kg							
Dichloroethylene,1,2-cis-	µg/kg							
Dichloroethylene,1,2-trans-	µg/kg							
Dichloropropane,1,2-	µg/kg							
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg							
Ethylbenzene (screening)	µg/kg	<17		<17		<17		<15
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg							
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							
Methyl Bromide	µg/kg							
Methyl Chloride	µg/kg							
Methyl Ethyl Ketone	µg/kg							
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg							
Methyl-tert-butyl Ether	µg/kg							
Methylene Chloride	µg/kg							
Pentachlorobenzene	µg/kg							
Pentachloroethane	µg/kg							
Pentachloronitrobenzene	µg/kg							
Propionitrile	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-86	NK-SB-87	NK-SB-87
	Sample ID	1018846	1018847	1018847	1018848	1018848	1018840	1018840
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996	10/04/1996
	Sample Time	15:00	15:10	15:10	15:20	15:20	14:00	14:00
	Sample Depth	0' - 2'	2' - 4'	2' - 4'	4' - 6'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	LEA	AEL	LEA	AEL	LEA	AEL	LEA
	Lab. Number	96-4958-158	AEL96011371	96-4959-159	AEL96011372	96-4960-161	AEL96011364	96-4952-152
Constituent	Units							
Styrene	µg/kg							
Tetrachloroethane,1,1,1,2-	µg/kg							
Tetrachloroethane,1,1,2,2-	µg/kg							
Tetrachloroethylene	µg/kg							
Tetrachloroethylene (screening)	µg/kg	<21		<22		<22		<19
Toluene	µg/kg							
Toluene (screening)	µg/kg	<12		<12		<12		<11
Trichloroethane,1,1,1-	µg/kg							
Trichloroethane,1,1,1- (screening)	µg/kg	<211		<219		<215		<188
Trichloroethane,1,1,2-	µg/kg							
Trichloroethylene	µg/kg							
Trichloroethylene (screening)	µg/kg	<21		<22		<21		<19
Trichloromonofluoromethane	µg/kg							
Trichloropropane,1,2,3-	µg/kg							
Vinyl Acetate	µg/kg							
Vinyl Chloride	µg/kg							
Xylenes (Total)	µg/kg							
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Date Metals Analyzed	-					06/26/1997	06/26/1997	06/26/1997
Date Organics Analyzed	-		10/07/1996		10/07/1996	06/20/1997	06/20/1997	06/20/1997
Date Semi-volatile Organics Analyzed	-					06/24/1997	06/24/1997	06/24/1997
Date of Metals SPLP Analysis	-							
Date of Metals SPLP Extraction	-							
Date of Other SPLP Analysis	-							
Extraction Fluid No.	-							
Dinoseb	**µg/kg**					**<380 U**	**<400 U**	**<370 U**
Arsenic	mg/kg					1.5	<1.2 U	1.3
Arsenic (SPLP)	mg/L							
Barium	mg/kg					<17.1 U	<18.0 U	<17.0 U
Barium (SPLP)	mg/L							
Cadmium	mg/kg					<0.11 U	<0.12 U	<0.11 U
Cadmium (SPLP)	mg/L							
Chromium	mg/kg					6.3	5.8	5.4
Chromium (SPLP)	mg/L							
Lead	mg/kg					1.9	1.8	2.2
Lead (SPLP)	mg/L							
Mercury	mg/kg					<0.17 U	<0.18 U	<0.17 U
Mercury (SPLP)	mg/L							
Nickel	mg/kg					7.7	8.1	6.8
Nickel (SPLP)	mg/L							
Selenium	mg/kg					<0.91 U	<0.96 U	<0.91 U
Selenium (SPLP)	mg/L							
Silver	mg/kg					<3.4 U	<3.6 U	<3.4 U
Silver (SPLP)	mg/L							
Zinc	mg/kg					<17.1 U	<18.0 U	<17.0 U
Zinc (SPLP)	mg/L							

Notes: 1. Printed on 06/02/98

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Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Acetylaminofluorene,2-	µg/kg					<380 U	<400 U	<370 U
Aramite	µg/kg					<380 U	<400 U	<370 U
Dibromo-3-chloropropane,1,2-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dimethoate	µg/kg					<380 U	<400 U	<370 U
Disulfoton	µg/kg					<380 U	<400 U	<370 U
Famphur	µg/kg					<380 U	<400 U	<370 U
Phorate	µg/kg					<380 U	<400 U	<370 U
Total Petroleum Hydrocarbons	mg/kg	<35.4		<37.9		<57 U	<60 U	<57 U
Acenaphthene	µg/kg					<380 U	<400 U	<370 U
Acenaphthylene	µg/kg					<380 U	<400 U	<370 U
Acetophenone	µg/kg					<380 U	<400 U	<370 U
Aminobiphenyl,4-	µg/kg					<380 U	<400 U	<370 U
Aniline	µg/kg					<380 U	<400 U	<370 U
Anthracene	µg/kg					<380 U	<400 U	<370 U
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg					<380 U	<400 U	<370 U
Benzo[a]pyrene	µg/kg					<380 U	<400 U	<370 U
Benzo[b]fluoranthene	µg/kg					<380 U	<400 U	<370 U
Benzo[ghi]perylene	µg/kg					<380 U	<400 U	<370 U
Benzo[k]fluoranthene	µg/kg					<380 U	<400 U	<370 U
Benzoic Acid	µg/kg					<380 U	<400 U	<370 U
Benzyl Alcohol	µg/kg					<760 U	<810 U	<760 U
Bis(2-chloroethoxy)methane	µg/kg					<380 U	<400 U	<370 U
Bis(2-chloroethyl) Ether	µg/kg					<380 U	<400 U	<370 U
Bis(2-ethylhexyl) Phthalate	µg/kg					<380 U	<400 U	<370 U
Bromophenyl Phenyl Ether,4-	µg/kg					<380 U	<400 U	<370 U
Butyl Benzyl Phthalate	µg/kg					<380 U	<400 U	<370 U
Carbazole	µg/kg					<380 U	<400 U	<370 U

Notes: 1. Printed on 06/02/98

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Chloro-m-cresol,p-	µg/kg					<760 U	<810 U	<760 U
Chloroaniline,4-	µg/kg					<380 U	<400 U	<370 U
Chloronaphthalene,2-	µg/kg					<380 U	<400 U	<370 U
Chlorophenol,2-	µg/kg					<380 U	<400 U	<370 U
Chlorophenyl Phenyl Ether,4-	µg/kg					<380 U	<400 U	<370 U
Chrysene	µg/kg					<380 U	<400 U	<370 U
Cresol,2-	µg/kg					<380 U	<400 U	<370 U
Cresol,3-	µg/kg					<380 U	<400 U	<370 U
Cresol,4-	µg/kg					<380 U	<400 U	<370 U
Di-n-butyl Phthalate	µg/kg					<380 U	<400 U	<370 U
Di-n-octyl Phthalate	µg/kg					<380 U	<400 U	<370 U
Dibenzo[a,h]anthracene	µg/kg					<380 U	<400 U	<370 U
Dibenzofuran	µg/kg					<380 U	<400 U	<370 U
Dichloro-2-butylene,1,4-trans-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichlorobenzidine,3,3'-	µg/kg					<760 U	<810 U	<760 U
Dichlorophenol,2,4-	µg/kg					<380 U	<400 U	<370 U
Diethyl Phthalate	µg/kg					<380 U	<400 U	<370 U
Dimethyl Phthalate	µg/kg					<380 U	<400 U	<370 U
Dimethylaminoazobenzene,4-	µg/kg					<380 U	<400 U	<370 U
Dimethylbenzidine,3,3'-	µg/kg					<380 U	<400 U	<370 U
Dimethylbenzo[a]anthracene,7,12-	µg/kg					<380 U	<400 U	<370 U
Dimethylphenethylamine,alpha,alpha-	µg/kg					<380 U	<400 U	<370 U
Dimethylphenol,2,4-	µg/kg					<380 U	<400 U	<370 U
Dinitro-o-cresol,4,6-	µg/kg					<950 U	<1000 U	<940 U
Dinitrobenzene,1,3-	µg/kg					<380 U	<400 U	<370 U
Dinitrophenol,2,4-	µg/kg					<950 U	<1000 U	<940 U
Dinitrotoluene,2,4-	µg/kg					<380 U	<400 U	<370 U
Dinitrotoluene,2,6-	µg/kg					<380 U	<400 U	<370 U

Notes: 1. Printed on 06/02/98

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Diphenylamine	µg/kg					<380 U	<400 U	<370 U
Diphenylhydrazine,1,2-	µg/kg							
Ethyl Methanesulfonate	µg/kg					<380 U	<400 U	<370 U
Fluoranthene	µg/kg					<380 U	<400 U	<370 U
Fluorene	µg/kg					<380 U	<400 U	<370 U
Hexachlorobenzene	µg/kg					<380 U	<400 U	<370 U
Hexachlorobutadiene	µg/kg					<380 U	<400 U	<370 U
Hexachlorocyclopentadiene	µg/kg					<380 U	<400 U	<370 U
Hexachloroethane	µg/kg					<380 U	<400 U	<370 U
Hexachloropropylene	µg/kg					<380 U	<400 U	<370 U
Indeno(1,2,3-cd)pyrene	µg/kg					<380 U	<400 U	<370 U
Isophorone	µg/kg					<380 U	<400 U	<370 U
Isosafrole	µg/kg					<380 U	<400 U	<370 U
Methapyrilene	µg/kg					<380 U	<400 U	<370 U
Methyl Methanesulfonate	µg/kg					<380 U	<400 U	<370 U
Methylcholanthrene,3-	µg/kg					<750 U	<790 U	<750 U
Methylnaphthalene,2-	µg/kg					<380 U	<400 U	<370 U
N-nitroso-di-n-butylamine	µg/kg					<380 U	<400 U	<370 U
N-nitroso-n-propylamine	µg/kg					<380 U	<400 U	<370 U
N-nitrosodiethylamine	µg/kg					<380 U	<400 U	<370 U
N-nitrosodimethylamine	µg/kg					<380 U	<400 U	<370 U
N-nitrosodiphenylamine	µg/kg					<380 U	<400 U	<370 U
N-nitrosomethylethylamine	µg/kg					<380 U	<400 U	<370 U
N-nitrosomorpholine	µg/kg					<380 U	<400 U	<370 U
N-nitrosopiperidine	µg/kg					<380 U	<400 U	<370 U
Naphthalene	µg/kg					<380 U	<400 U	<370 U
Naphthoquinone,1,4-	µg/kg					<380 U	<400 U	<370 U
Naphthylamine,alpha-	µg/kg					<380 U	<400 U	<370 U

Notes: 1. Printed on 06/02/98

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Naphthylamine,beta-	µg/kg					<380 U	<400 U	<370 U
Nitro-o-toluidine,5-	µg/kg					<380 U	<400 U	<370 U
Nitroaniline,2-	µg/kg					<950 U	<1000 U	<940 U
Nitroaniline,3-	µg/kg					<950 U	<1000 U	<940 U
Nitroaniline,4-	µg/kg					<950 U	<1000 U	<940 U
Nitrobenzene	µg/kg					<380 U	<400 U	<370 U
Nitrophenol,2-	µg/kg					<380 U	<400 U	<370 U
Nitrophenol,4-	µg/kg					<950 U	<1000 U	<940 U
Nitroquinoline-1-oxide,4-	µg/kg					<380 U	<400 U	<370 U
Nitrosopyrrolidine,n-	µg/kg					<380 U	<400 U	<370 U
Pentachlorophenol	µg/kg					<950 U	<1000 U	<940 U
Phenacetin	µg/kg					<380 U	<400 U	<370 U
Phenanthrene	µg/kg					<380 U	<400 U	<370 U
Phenol	µg/kg					<380 U	<400 U	<370 U
Phenylenediamine,1,4-	µg/kg					<380 U	<400 U	<370 U
Picoline,2-	µg/kg					<380 U	<400 U	<370 U
Pronamide	µg/kg					<380 U	<400 U	<370 U
Propane),2,2'-oxybis(1-chloro-	µg/kg					<380 U	<400 U	<370 U
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg					<380 U	<400 U	<370 U
Pyridine	µg/kg					<380 U	<400 U	<370 U
Safrole	µg/kg					<380 U	<400 U	<370 U
Tetrachlorobenzene,1,2,4,5-	µg/kg					<380 U	<400 U	<370 U
Tetrachlorophenol,2,3,4,6-	µg/kg					<380 U	<400 U	<370 U
Toluidine,o-	µg/kg					<380 U	<400 U	<370 U
Trichlorobenzene,1,2,4-	µg/kg					<380 U	<400 U	<370 U
Trichlorophenol,2,4,5-	µg/kg					<380 U	<400 U	<370 U
Trichlorophenol,2,4,6-	µg/kg					<380 U	<400 U	<370 U

Notes: 1. Printed on 06/02/98

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Triethyl Phosphorothioate,o,o,o-	µg/kg					<380 U	<400 U	<370 U
Trinitrobenzene,1,3,5-	µg/kg					<380 U	<400 U	<370 U
Acetone	µg/kg					<110 U	<120 U	<110 U
Acetonitrile	µg/kg					<57 U	<60 U	<57 U
Acrolein	µg/kg					<57 U	<60 U	<57 U
Acrylonitrile	µg/kg					<110 U	<120 U	<110 U
Allyl Chloride	µg/kg					<110 U	<120 U	<110 U
Benzene	µg/kg					<5.7 U	<6.0 U	<5.7 U
Benzene (screening)	µg/kg		<8		<7			
Bromobenzene	µg/kg							
Bromoform	µg/kg					<5.7 U	<6.0 U	<5.7 U
Carbon Disulfide	µg/kg					<5.7 U	<6.0 U	<5.7 U
Carbon Tetrachloride	µg/kg					<5.7 U	<6.0 U	<5.7 U
Chlorobenzene	µg/kg					<5.7 U	<6.0 U	<5.7 U
Chlorodibromomethane	µg/kg					<5.7 U	<6.0 U	<5.7 U
Chloroethane	µg/kg					<11 U	<12 U	<11 U
Chloroethyl Vinyl Ether,2-	µg/kg							
Chloroform	µg/kg					<5.7 U	<6.0 U	<5.7 U
Chloroprene,beta-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichlorobenzene,1,2-	µg/kg					<380 U	<400 U	<370 U
Dichlorobenzene,1,3-	µg/kg					<380 U	<400 U	<370 U
Dichlorobenzene,1,4-	µg/kg					<380 U	<400 U	<370 U
Dichlorobromomethane	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichlorodifluoromethane	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichloroethane,1,1-	µg/kg					<5.7 U	<6.0 U	<5.7 U

Notes: 1. Printed on 06/02/98

LEA

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

DRAFT

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Dichloroethane,1,2-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichloroethylene,1,1-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichloroethylene,1,2-cis-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichloroethylene,1,2-trans-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichloropropane,1,2-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichloropropylene,1,3-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg					<170 U	<180 U	<170 U
Ethyl Methacrylate	µg/kg					<5.7 U	<6.0 U	<5.7 U
Ethylbenzene	µg/kg					<5.7 U	<6.0 U	<5.7 U
Ethylbenzene (screening)	µg/kg		<17		<15			
Ethylene Dibromide	µg/kg					<5.7 U	<6.0 U	<5.7 U
Hexanone,2-	µg/kg					<57 U	<60 U	<57 U
Iodomethane	µg/kg					<5.7 U	<6.0 U	<5.7 U
Isobutyl Alcohol	µg/kg					<57 U	<60 U	<57 U
Methacrylonitrile	µg/kg					<5.7 U	<6.0 U	<5.7 U
Methyl Bromide	µg/kg					<11 U	<12 U	<11 U
Methyl Chloride	µg/kg					<11 U	<12 U	<11 U
Methyl Ethyl Ketone	µg/kg					<110 U	<120 U	<110 U
Methyl Methacrylate	µg/kg					<5.7 U	<6.0 U	<5.7 U
Methyl-2-pentanone,4-	µg/kg					<11 U	<12 U	<11 U
Methyl-tert-butyl Ether	µg/kg					<5.7 U	<6.0 U	<5.7 U
Methylene Chloride	µg/kg					<5.7 U	<6.0 U	<5.7 U
Pentachlorobenzene	µg/kg					<380 U	<400 U	<370 U
Pentachloroethane	µg/kg					<380 U	<400 U	<370 U
Pentachloronitrobenzene	µg/kg					<380 U	<400 U	<370 U
Propionitrile	µg/kg					<23 U	<24 U	<23 U

Notes: 1. Printed on 06/02/98

LEA

Table 3

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Fire Training Area C

	Location ID	NK-SB-87	NK-SB-87	NK-SB-87	NK-SB-87	NK-TP-19E	NK-TP-19N	NK-TP-19W
	Sample ID	1018841	1018841	1018842	1018842	1635112	1635110	1635113
	Sample Date	10/04/1996	10/04/1996	10/04/1996	10/04/1996	06/09/1997	06/09/1997	06/09/1997
	Sample Time	14:10	14:10	14:20	14:20	08:07	08:00	08:09
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	4' - 6'		2.80'	
	Laboratory	AEL	LEA	AEL	LEA	QUAN	QUAN	QUAN
	Lab. Number	AEL96011365	96-4953-153	AEL96011366	96-4954-154	A7F100149003	A7F100149001	A7F100149004
Constituent	Units							
Styrene	µg/kg					<5.7 U	<6.0 U	<5.7 U
Tetrachloroethane,1,1,1,2-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Tetrachloroethane,1,1,2,2-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Tetrachloroethylene	µg/kg					<5.7 U	<6.0 U	<5.7 U
Tetrachloroethylene (screening)	µg/kg		<21		<19			
Toluene	µg/kg					<5.7 U	<6.0 U	<5.7 U
Toluene (screening)	µg/kg		<12		<10			
Trichloroethane,1,1,1-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Trichloroethane,1,1,1- (screening)	µg/kg		<211		<185			
Trichloroethane,1,1,2-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Trichloroethylene	µg/kg					<5.7 U	<6.0 U	<5.7 U
Trichloroethylene (screening)	µg/kg		<21		<18			
Trichloromonofluoromethane	µg/kg					<5.7 U	<6.0 U	<5.7 U
Trichloropropane,1,2,3-	µg/kg					<5.7 U	<6.0 U	<5.7 U
Vinyl Acetate	µg/kg					<5.7 U	<6.0 U	<5.7 U
Vinyl Chloride	µg/kg					<11 U	<12 U	<11 U
Xylenes (Total)	µg/kg					<5.7 U	<6.0 U	<5.7 U
Xylenes (Total) (screening)	µg/kg							

Notes: 1. Printed on 06/02/98

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Table 4

DRAFT

SUMMARY OF ANALYTICAL RESULTS - GROUNDWATER
P&W East Hartford: Fire Training Area C

	Location ID	NK-GP-05	NK-GP-06	NK-GP-07				
	Sample ID	1016953	1016954	1016955				
	Sample Date	01/01/1993	01/01/1993	01/01/1993				
	Laboratory	unkM	unkM	unkM				
	Lab. Number	unk1016953	unk1016954	unk1016955				
Constituent	Units							
Benzene (screening)	µg/l	<5	<5	<5				
Dichloroethylene,1,1- (screening)	µg/l	<5	<5	<5				
Dichloroethylene,1,2-cis- (screening)	µg/l	<5	<5	<5				
Dichloroethylene,1,2-trans- (screening)	µg/l	<5	<5	<5				
Ethylbenzene (screening)	µg/l	<5	<5	<5				
Tetrachloroethylene (screening)	µg/l	<5	<5	<5				
Toluene (screening)	µg/l	<5	<5	<5				
Trichloroethane,1,1,1- (screening)	µg/l	<5	<5	<5				
Trichloroethylene (screening)	µg/l	<5	<5	<5				
Vinyl Chloride (screening)	µg/l	<5	<5	<5				
Xylenes,m- & p- (screening)	µg/l	<5	<5	<5				
Xylenes,o- & p- (screening)	µg/l	<5	<5	<5				

Notes: 1. Printed on 06/02/98

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DRAWINGS

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UNIT-SPECIFIC TECHNICAL MEMORANDA
MASTER ORDER LIST
SUMMARY SITE INVESTIGATION & REMEDIATION REPORT
AIRPORT/KLONDIKE AREA
PRATT & WHITNEY, EAST HARTFORD, CT

USTM Volume Number	USTM Order Number	Unit Specific Technical Memorandum	Date Submitted to EPA
VOLUME I	1	X-307 Area	4/3/98
	2	SK Undeveloped Land Area	4/3/98
	3	Tie-Down Area	4/2/98
	4	X-430 Area	3/31/98
	5	X-415 Area	4/3/98
	6	X-410 Area	3/31/98
	7	X-407 Area	3/31/98
	8	X-401 Area	4/2/98
	9	X-312/X-314 Area	4/2/98
	10	NK Undeveloped Land Area	4/3/98
	11	MERL Area	3/31/98
	12	Explosives Storage Area	4/2/98
	13	X-410 Oil Rack	4/21/98
	14	Rentschler Airport Area[a]	4/21/98
	15	X-307 Rubble Piles	4/29/98
	16	Fire Training Area D	4/29/98
VOLUME II	17	X-194 AST	5/15/98
	18	Linde Drum/Dumpster	5/15/98
	19	Army Barracks	5/15/98
	20	Firing Range	5/15/98
	21	SK Undeveloped Land	5/22/98
	22	SK Debris Piles	5/22/98
	23	X-410 Septic System	5/22/98
	24	X-401 Septic System	6/2/98
	25	Fire Training Area C	6/2/98
VOLUME III	26	X-307 Septic System	6/16/98
	27	Explosives Storage Fill Area	6/22/98
	29	Linde Septic	6/22/98

NOTE:
1. Highest USTM Order Number corresponds to most recent USTM
2. Most recent USTM should go on top in binders.
3. a = Revised USTM based on EPA comments to 1st submission.

DRAFT

UNIT-SPECIFIC TECHNICAL MEMORANDUM: LINDE SEPTIC SYSTEM STORAGE BUILDING

PRATT & WHITNEY, EAST HARTFORD, CT

AREA: South Klondike

SUB-AREA: Former Linde Gas/Chemical Storage Building

ENVIRONMENTAL UNIT: Former Linde Gas/Chemical Storage Building Septic System

Location: This unit is located in the South Klondike Area at the northern end of Linde Road (Drawing 1).

Description: The former septic septic system consisted of a concrete septic tank, approximately 750 gallons in size, and a leaching field. The layout of the septic system is shown on the Heat Treat Gas Process Plant map (Pratt & Whitney Plant Engineering Department, 1964). The system serviced the former Control Room building associated with the Linde Hydrogen Gas Plant. Presently, only the foundation of the former building remain.

Dates of Operation: Approximately 1965 to early 1990's. The exact dates are unknown. However, the Control Room building was built in 1965 as part of the hydrogen gas plant and remained in place until the Chemical Storage Building was demolished in the early 1990's.

Processes: Domestic sewage from the former Control Building.

Aerial Photographs: Large-scale aerial photographs for 1965, 1970, and 1975 were obtained from Keystone Aerial Surveys, Inc. Six small aerial photographs were obtained from the Pratt & Whitney (P&W) Photographic Services Department. The Control Room building can be observed on facility aerial photographs from 1977. No readily apparent septic system characteristics are discernible from the aerial photographs.

Specific Contaminants of Concern: The specific contaminants of concern are unknown. In order to be as comprehensive as possible in the investigation that was conducted, the following constituent groups were analyzed for: volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCB), and metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, and zinc)

Potential Release Mechanism: Impacts to soils and groundwater associated with potential leaks from the septic tank and seepage from the leaching field.

INVESTIGATION AND REMEDIATION ACTIVITIES:

Due to the potential for a release associated with the septic system, a subsurface investigation to determine the degree and extent of potential soil contamination was performed in August 1996. Prior to 1996, no investigation had reportedly been performed in the vicinity of the septic system. The septic tank was removed in April 1997. The investigations and the removal are discussed below in chronological order.

August 1996 Investigation (Loureiro Engineering Associates, P.C.):

Description: On August 21, 1996, one sludge sample SK-SL-05 was collected from inside the septic tank by Loureiro Engineering Associates, P.C. (LEA). On August 28, 1996, one soil boring, SK-SB-57, was advanced within the septic system leaching field. The sampling locations are shown on Drawing 1. Soil samples were collected from each of the boring in continuous 2-foot intervals to 14 feet, with a 1 foot interval from 14 to 15 feet. The depth of 15 feet was selected to ensure that sufficient data were collected for comparisons against the direct exposure criteria in the Connecticut Remediation Standard Regulation (RSR).

A total of eight soil samples from the soil boring were submitted to the LEA Analytical Laboratory and screened for the presence of target VOCs (benzene (BZ), ethylbenzene (EBZ), tetrachloroethylene (PCE), toluene (TL), 1,1,1-trichloroethane (TCA), 1,1,1-trichloroethylene (TCE), and xylenes (XYL)). Based on visual, olfactory, or instrument evidence, and consideration of the potential release mechanism, two samples from the soil boring were submitted to Averill Environmental Laboratory, Inc. (AEL) for analysis. The samples were analyzed for the presence of VOCs, SVOCs, and metals. The septic tank sludge sample from August 21, 1996, was submitted to AEL for analysis. The sludge sample was analyzed for the presence of VOCs, SVOCs, metals, and PCBs. Due to a laboratory error, resulting in a holding time problem for VOCs, another sample of the septic tank sludge, SK-SL-05, was collected on October 7, 1996. The second sludge sample from October 7, 1996 was submitted to AEL for VOC analysis. A summary of the samples collected and analyses performed during this investigation is included in Table 1.

Investigation Results: Based on the boring log, groundwater was encountered at approximately 6 feet in SK-SB-57,. Varved clay was encountered at 14.5 feet. No visual or olfactory evidence of contamination was noted on the boring log.

Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations are shown on Drawing 1. VOCs were not detected in the soil samples submitted to the LEA Analytical Laboratory or AEL. Similarly, no SVOCs were detected in the soil samples submitted to AEL.

One or more of the metals analyzed were detected in each of the two soil samples submitted for analysis. These metals include arsenic, barium, chromium, lead, nickel, and zinc.

Concentrations of constituents detected in the septic tank sludge samples collected for this unit are presented in Table 4. A complete summary of soil analytical results with detection limits is presented in Table 5. Similar VOCs were detected in both septic tank sludge samples that were submitted to AEL for analysis. The VOCs that were detected include: chloroethane (CEA), 1,4-dichlorobenzene (14DCB), 1,1-dichloroethane (11DCA), 1,2-dichloroethane (12DCA), 1,1-dichloroethylene (11DCE), methyl ethyl ketone (MEK), TL, TCA, 1,1,2-trichloroethane (112TCA), and TCE. The analytical results for VOCs from the first sludge sample are questionable. The sample was analyzed after the holding time of fourteen days.

SVOCs or PCBs were not detected in the septic tank sludge sample submitted to AEL. Arsenic

and zinc were the only metals detected in the septic tank sludge sample at concentrations of 0.036 and 0.016 (mg per l), respectively.

Data Evaluation and Conclusions: The soil boring data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various inorganic constituents (Fuss & O'Neill, 1994). For a more detailed discussion of background concentrations of metals in soil refer to *Technical Memorandum 4, Background Soil Sampling Analysis*. Criteria are established in the RSR based on exposure pathways for various environmental media, including soil and groundwater. The evaluation of the soils data is based on a comparison to the residential direct exposure criteria (RDEC), the industrial/commercial direct exposure criteria (IDEC), and the GB pollutant mobility criteria (PMC) included in the RSR.

Based on analytical results from boring SK-SB-57, there was no evidence that the soil in the vicinity of this unit had been impacted. Based on the presence of VOCs in the septic tank sludge, there is evidence that hazardous constituents may have been released to the septic system. Nevertheless, the samples collected from the septic tank sludge will not be compared to the RSR, since there are no criteria for sludge samples.

The concentrations of the metals detected in soil samples are typical of background concentrations and are not indicative of a release from this unit. For the metals detected in soil no exceedances of the RDEC, IDEC, and GB PMC occurred. No VOCs and PCBs were detected.

April 1997 Remediation (LEA):

Description: As part of the Septic System Removal Project conducted in the Airport/Klondike Area, the septic tank for the Linde Septic System area was removed on April 10, 1997. The soil excavated during the tank removal was disposed of off the site as a non-hazardous waste. The excavation was identified as test pit SK-TP-08. The location of the test pit is shown on Drawing 1.

The excavation was approximately 19 feet by 17 feet by 4 feet deep. Groundwater was encounter in the bottom of the excavation. A total of four soil samples were collected from each of the four walls on April 11, 1997. These soil samples were submitted to Environmental Science Services Laboratory (ESS) for analysis. Due to data validation issues analytical results from ESS were deemed unusable for the Airport/Klondike Project. Subsequent to these concerns, ESS analytical results have not be considered within this Unit-Specific Technical Memorandum.

The four confirmational sidewall samples were recollected on June 9, 1997. These soil samples were submitted to Quanterra Inc. (QNT) for analysis of VOCs, metals, and TPH. A summary of samples and analysis performed are included as Table 1.

Investigation Results: Concentrations of constituents detected in soil samples collected for this unit are presented in Table 2. A complete summary of soil analytical results with detection limits is presented in Table 3. Detected concentrations at each sampling location are shown on

Drawing 1.

VOCs and TPH were not detected in the samples submitted to QNT for analysis. One or more of the metals analyzed were detected in each of the samples submitted for analysis. These metals include barium, chromium, lead, mercury, nickel, and zinc.

Data Evaluation and Conclusions: The data were compared against the default numeric criteria included in the RSR and the site-wide background soil concentrations for various inorganic constituents (Fuss & O'Neill, 1994). For the metals detected in soil, no exceedances of the RDEC, IDEC, or GBPMC were noted.

VOCs and TPH were not detected in the confirmational soil samples collected and analyzed for this unit. Based on the results of the laboratory analyses of the confirmational soil samples, there is no evidence that a release occurred from the septic tank. As a result, the area has been adequately characterized and no further action is warranted for this unit.

REFERENCES:

Fuss & O'Neill, Inc., June 1995, Soil Sampling Background Areas – North Klondike, prepared for Pratt & Whitney.

Keystone Aerial Surveys, Inc. 1975, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1970, *Aerial Photo of Rentschler Airport and Surrounding Areas*, East Hartford, CT.

Keystone Aerial Surveys, Inc. 1965, Aerial Photo of Rentschler Airport and Surrounding Areas, East Hartford, CT.

P&W Photographic Services Department, 1975, Aerial Photograph, Negative Number CN-50747, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054AC, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054AE, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1977, Aerial Photograph, Negative Number 77445-0054AF, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1981, Aerial Photograph, Negative Number 81C1890-037, Pratt & Whitney, East Hartford, CT.

P&W Photographic Services Department, 1983, Aerial Photograph, Negative Number 84C7659-083, Pratt & Whitney, East Hartford, CT.

REFERENCES (Continued):

P&W Plant Engineering Department, May 20, 1964, *Access Road to Heat Treat Gas Process Plant, East Hartford Plant*, Pratt & Whitney Aircraft, East Hartford, CT.

TABLES

Table 1

DRAFT

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

Sample Information						Analysis Information								
Location ID	Sample ID	Sample Date	From (ft)	To (ft)	Class	Portable GC	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides	PCBs	Metals	Extraction	Miscellaneous
SK-SB-57	1017430	8/28/96	0	2	SB	x	x	x				X		
SK-SB-57	1017434	8/28/96	2	4	SB	x								
SK-SB-57	1017435	8/28/96	4	6	SB	x	x	x				X		
SK-SB-57	1017436	8/28/96	6	8	SB	x								
SK-SB-57	1017437	8/28/96	8	10	SB	x								
SK-SB-57	1017438	8/28/96	10	12	SB	x								
SK-SB-57	1017439	8/28/96	12	14	SB	x								
SK-SB-57	1017440	8/28/96	14	15	SB	x								
SK-SL-05	1017539	8/21/96			SRL		X	x			x	X		
SK-SL-05	1018917	10/ 7/96			SRL		X							
SK-TP-08E	1635186	6/10/97			SS		x					X		x
SK-TP-08N	1635184	6/10/97			SS		x					X		x
SK-TP-08S	1635185	6/10/97			SS		x					X		x
SK-TP-08W	1635187	6/10/97			SS		x					X		x

Notes: 1. Legend: X - Analysed; at least one analyte over the detection limit; x - Analysed, no analytes in group over the detection limit

2. Printed on 06/04/98

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Table 2 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-TP-08E	SK-TP-08N	SK-TP-08S	SK-TP-08W
	Sample ID	1017430	1017435	1635186	1635184	1635185	1635187
	Sample Date	08/28/1996	08/28/1996	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	12:50	13:17	09:18	09:14	09:16	09:20
	Sample Depth	0' - 2'	4' - 6'				
	Laboratory	AEL	AEL	QUAN	QUAN	QUAN	QUAN
	Lab. Number	AEL96009818	AEL96009819	A7F110156024	A7F110156022	A7F110156023	A7F110156025
Constituent	Units						
Date Metals Analyzed	-	09/05/1996	09/05/1996	06/27/1997	06/27/1997	06/27/1997	06/27/1997
Arsenic	mg/kg	2.11	1.28		1.3	1.5	1.5
Barium	mg/kg	32.2	24.8				22.2
Cadmium	mg/kg				0.21	0.17	
Chromium	mg/kg	13.3	12.5	8.0	9.9	11.8	11.3
Lead	mg/kg	23.8		3.7	10.2	8.2	10.6
Mercury	mg/kg					0.54	
Nickel	mg/kg	11.9		6.8	7.5	7.2	8.2
Zinc	mg/kg	33.6	24.2	18.3	23.9	24.8	29.7

Notes: 1. Only Detects Shown
2. Printed on 06/04/98

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Table 3

DRAFT

SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57
	Sample ID	1017430	1017430	1017434	1017435	1017435	1017436	1017437
	Sample Date	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996
	Sample Time	12:50	12:50	13:05	13:17	13:17	13:26	13:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96009818	96-4362-316	96-4363-317	AEL96009819	96-4364-318	96-4365-319	96-4366-320
Constituent	Units							
Date Metals Analyzed	-	09/05/1996			09/05/1996			
Date Organics Analyzed	-	09/06/1996	09/03/1996	09/03/1996	09/10/1996	09/03/1996	09/03/1996	09/03/1996
Date Semi-volatile Organics Analyzed	-	09/28/1996			09/30/1996			
Arsenic	mg/kg	2.11			1.28			
Barium	mg/kg	32.2			24.8			
Cadmium	mg/kg	<3.41			<3.49			
Chromium	mg/kg	13.3			12.5			
Lead	mg/kg	23.8			<23.3			
Mercury	mg/kg	<0.228			<0.233			
Nickel	mg/kg	11.9			<11.6			
Selenium	mg/kg	<1.14			<1.16			
Silver	mg/kg	<5.69			<5.82			
Zinc	mg/kg	33.6			24.2			
Dibromo-3-chloropropane,1,2-	µg/kg							
Total Petroleum Hydrocarbons	mg/kg							
Acenaphthene	µg/kg	<370			<390			
Acenaphthylene	µg/kg	<370			<390			
Anthracene	µg/kg	<370			<390			
Benzidine	µg/kg	<370			<390			
Benzo[a]anthracene	µg/kg	<370 N1			<390			
Benzo[a]pyrene	µg/kg	<370 N1			<390			
Benzo[b]fluoranthene	µg/kg	<370 N1			<390			
Benzo[ghi]perylene	µg/kg	<370 N1			<390			
Benzo[k]fluoranthene	µg/kg	<370 N1			<390			
Bis(2-chloroethoxy)methane	µg/kg	<370			<390			
Bis(2-chloroethyl) Ether	µg/kg	<370			<390			
Bis(2-ethylhexyl)phthalate	µg/kg	<370			<390			
Bromophenyl Phenyl Ether,4-	µg/kg	<370			<390			

Notes: 1. Printed on 06/04/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57
	Sample ID	1017430	1017430	1017434	1017435	1017435	1017436	1017437
	Sample Date	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996
	Sample Time	12:50	12:50	13:05	13:17	13:17	13:26	13:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96009818	96-4362-316	96-4363-317	AEL96009819	96-4364-318	96-4365-319	96-4366-320
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg	<370			<390			
Chloronaphthalene,2-	µg/kg	<370			<390			
Chlorophenol,2-	µg/kg	<370			<390			
Chlorophenyl Phenyl Ether,4-	µg/kg	<370			<390			
Chrysene	µg/kg	<370 N1			<390			
Di-n-butyl Phthalate	µg/kg	<370			<390			
Di-n-octyl Phthalate	µg/kg	<370			<390			
Dibenzo[a,h]anthracene	µg/kg	<370			<390			
Dichloro-2-butylene,1,4-trans-	µg/kg							
Dichlorobenzidine,3,3'-	µg/kg	<370			<390			
Dichlorophenol,2,4-	µg/kg	<370			<390			
Diethyl Phthalate	µg/kg	<370			<390			
Dimethyl Phthalate	µg/kg	<370			<390			
Dimethylphenol,2,4-	µg/kg	<370			<390			
Dinitro-o-cresol,4,6-	µg/kg	<370			<390			
Dinitrophenol,2,4-	µg/kg	<370			<390			
Dinitrotoluene,2,4-	µg/kg	<370			<390			
Dinitrotoluene,2,6-	µg/kg	<370			<390			
Diphenylhydrazine,1,2-	µg/kg	<370			<390			
Fluoranthene	µg/kg	<370 N1			<390			
Fluorene	µg/kg	<370			<390			
Hexachlorobenzene	µg/kg	<370			<390			
Hexachlorobutadiene	µg/kg	<370			<390			
Hexachlorocyclopentadiene	µg/kg	<370			<390			
Hexachloroethane	µg/kg	<370			<390			
Indeno(1,2,3-cd)pyrene	µg/kg	<370 N1			<390			
Isophorone	µg/kg	<370			<390			
N-nitroso-n-propylamine	µg/kg	<370			<390			

Notes: 1. Printed on 06/04/98

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Table 3 *DRAFT*
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57
	Sample ID	1017430	1017430	1017434	1017435	1017435	1017436	1017437
	Sample Date	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996
	Sample Time	12:50	12:50	13:05	13:17	13:17	13:26	13:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96009818	96-4362-316	96-4363-317	AEL96009819	96-4364-318	96-4365-319	96-4366-320
Constituent	Units							
N-nitrosodimethylamine	µg/kg	<370			<390			
N-nitrosodiphenylamine	µg/kg	<370			<390			
Naphthalene	µg/kg	<370			<390			
Nitrobenzene	µg/kg	<370			<390			
Nitrophenol,2-	µg/kg	<370			<390			
Nitrophenol,4-	µg/kg	<370			<390			
Pentachlorophenol	µg/kg	<370			<390			
Phenanthrene	µg/kg	<370 N1			<390			
Phenol	µg/kg	<370			<390			
Propane),2,2'-oxybis(2-chloro-	µg/kg	<370			<390			
Pyrene	µg/kg	<370 N1			<390			
Trichlorobenzene,1,2,4-	µg/kg	<370			<390			
Trichlorophenol,2,4,6-	µg/kg	<370			<390			
Acetone	µg/kg	<40			<92			
Acetonitrile	µg/kg							
Acrolein	µg/kg	<17			<46			
Acrylonitrile	µg/kg	<17			<46			
Allyl Chloride	µg/kg							
Benzene	µg/kg	<6.9			<18			
Benzene (screening)	µg/kg		<7	<7		<8	<8	<8
Bromobenzene	µg/kg	<6.9			<18			
Bromoform	µg/kg	<6.9			<18			
Carbon Disulfide	µg/kg	<6.9			<18			
Carbon Tetrachloride	µg/kg	<6.9			<18			
Chlorobenzene	µg/kg	<6.9			<18			
Chlorodibromomethane	µg/kg	<6.9			<18			
Chloroethane	µg/kg	<6.9			<18			
Chloroethyl Vinyl Ether,2-	µg/kg	<6.9			<18			

Notes: 1. Printed on 06/04/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57
	Sample ID	1017430	1017430	1017434	1017435	1017435	1017436	1017437
	Sample Date	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996
	Sample Time	12:50	12:50	13:05	13:17	13:17	13:26	13:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96009818	96-4362-316	96-4363-317	AEL96009819	96-4364-318	96-4365-319	96-4366-320
Constituent	Units							
Chloroform	µg/kg	<6.9			<18			
Chloroprene,beta-	µg/kg							
Chlorotoluene,o-	µg/kg	<6.9			<18			
Chlorotoluene,p-	µg/kg	<6.9			<18			
Dibromomethane	µg/kg	<6.9			<18			
Dichlorobenzene,1,2-	µg/kg	<6.9			<18			
Dichlorobenzene,1,3-	µg/kg	<6.9			<18			
Dichlorobenzene,1,4-	µg/kg	<6.9			<18			
Dichlorobromomethane	µg/kg	<6.9			<18			
Dichlorodifluoromethane	µg/kg	<6.9			<18			
Dichloroethane,1,1-	µg/kg	<6.9			<18			
Dichloroethane,1,2-	µg/kg	<6.9			<18			
Dichloroethylene,1,1-	µg/kg	<6.9			<18			
Dichloroethylene,1,2-cis-	µg/kg	<6.9			<18			
Dichloroethylene,1,2-trans-	µg/kg	<6.9			<18			
Dichloropropane,1,2-	µg/kg	<6.9			<18			
Dichloropropylene,1,3-	µg/kg							
Dichloropropylene,1,3-cis-	µg/kg	<6.9			<18			
Dichloropropylene,1,3-trans-	µg/kg	<6.9			<18			
Dioxane,1,4-	µg/kg							
Ethyl Methacrylate	µg/kg							
Ethylbenzene	µg/kg	<6.9			<18			
Ethylbenzene (screening)	µg/kg		<15	<16		<16	<18	<18
Ethylene Dibromide	µg/kg							
Hexanone,2-	µg/kg	<17			<46			
Iodomethane	µg/kg							
Isobutyl Alcohol	µg/kg							
Methacrylonitrile	µg/kg							

Notes: 1. Printed on 06/04/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57	SK-SB-57
	Sample ID	1017430	1017430	1017434	1017435	1017435	1017436	1017437
	Sample Date	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996	08/28/1996
	Sample Time	12:50	12:50	13:05	13:17	13:17	13:26	13:30
	Sample Depth	0' - 2'	0' - 2'	2' - 4'	4' - 6'	4' - 6'	6' - 8'	8' - 10'
	Laboratory	AEL	LEA	LEA	AEL	LEA	LEA	LEA
	Lab. Number	AEL96009818	96-4362-316	96-4363-317	AEL96009819	96-4364-318	96-4365-319	96-4366-320
Constituent	Units							
Methyl Bromide	µg/kg	<6.9			<18			
Methyl Chloride	µg/kg	<6.9			<18			
Methyl Ethyl Ketone	µg/kg	<17			<46			
Methyl Methacrylate	µg/kg							
Methyl-2-pentanone,4-	µg/kg	<17			<46			
Methyl-tert-butyl Ether	µg/kg	<6.9			<18			
Methylene Chloride	µg/kg	<10			<18			
Propionitrile	µg/kg							
Styrene	µg/kg	<6.9			<18			
Tetrachloroethane,1,1,1,2-	µg/kg	<6.9			<18			
Tetrachloroethane,1,1,2,2-	µg/kg	<6.9			<18			
Tetrachloroethylene	µg/kg	<6.9			<18			
Tetrachloroethylene (screening)	µg/kg		<19	<20		<21	<23	<22
Toluene	µg/kg	<6.9			<18			
Toluene (screening)	µg/kg		<10	<11		<12	<13	<13
Trichloroethane,1,1,1-	µg/kg	<6.9			<18			
Trichloroethane,1,1,1- (screening)	µg/kg		<185	<199		<207	<229	<224
Trichloroethane,1,1,2-	µg/kg	<6.9			<18			
Trichloroethylene	µg/kg	<6.9			<18			
Trichloroethylene (screening)	µg/kg		<18	<20		<20	<23	<22
Trichloromonofluoromethane	µg/kg	<6.9			<18			
Trichloropropane,1,2,3-	µg/kg	<6.9			<18			
Vinyl Acetate	µg/kg	<6.9			<18			
Vinyl Chloride	µg/kg	<6.9			<18			
Xylenes (Total)	µg/kg	<6.9			<18			

Notes: 1. Printed on 06/04/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-TP-08E	SK-TP-08N	SK-TP-08S	SK-TP-08W
	Sample ID	1017438	1017439	1017440	1635186	1635184	1635185	1635187
	Sample Date	08/28/1996	08/28/1996	08/28/1996	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	13:39	13:45	13:55	09:18	09:14	09:16	09:20
	Sample Depth	10' - 12'	12' - 14'	14' - 15'				
	Laboratory	LEA	LEA	LEA	QUAN	QUAN	QUAN	QUAN
	Lab. Number	96-4367-321	96-4372-326	96-4373-327	A7F110156024	A7F110156022	A7F110156023	A7F110156025
Constituent	Units							
Date Metals Analyzed	-				06/27/1997	06/27/1997	06/27/1997	06/27/1997
Date Organics Analyzed	-	09/03/1996	09/04/1996	09/04/1996	06/22/1997	06/22/1997	06/22/1997	06/22/1997
Date Semi-volatile Organics Analyzed	-							
Arsenic	mg/kg				<1.2 U	1.3	1.5	1.5
Barium	mg/kg				<17.3 U	<17.8 U	<20.4 U	22.2
Cadmium	mg/kg				<0.12 U	0.21	0.17	<0.13 U
Chromium	mg/kg				8.0	9.9	11.8	11.3
Lead	mg/kg				3.7	10.2	8.2	10.6
Mercury	mg/kg				<0.17 U	<0.18 U	0.54	<0.20 U
Nickel	mg/kg				6.8	7.5	7.2	8.2
Selenium	mg/kg				<0.92 U	<0.95 U	<1.1 U	<1.0 U
Silver	mg/kg				<3.5 U	<3.6 U	<4.1 U	<3.9 U
Zinc	mg/kg				18.3	23.9	24.8	29.7
Dibromo-3-chloropropane,1,2-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Total Petroleum Hydrocarbons	mg/kg				<58 U	<59 U	<68 U	<65 U
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg							
Benzidine	µg/kg							
Benzo[a]anthracene	µg/kg							
Benzo[a]pyrene	µg/kg							
Benzo[b]fluoranthene	µg/kg							
Benzo[ghi]perylene	µg/kg							
Benzo[k]fluoranthene	µg/kg							
Bis(2-chloroethoxy)methane	µg/kg							
Bis(2-chloroethyl) Ether	µg/kg							
Bis(2-ethylhexyl)phthalate	µg/kg							
Bromophenyl Phenyl Ether,4-	µg/kg							

Notes: 1. Printed on 06/04/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-TP-08E	SK-TP-08N	SK-TP-08S	SK-TP-08W
	Sample ID	1017438	1017439	1017440	1635186	1635184	1635185	1635187
	Sample Date	08/28/1996	08/28/1996	08/28/1996	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	13:39	13:45	13:55	09:18	09:14	09:16	09:20
	Sample Depth	10' - 12'	12' - 14'	14' - 15'				
	Laboratory	LEA	LEA	LEA	QUAN	QUAN	QUAN	QUAN
	Lab. Number	96-4367-321	96-4372-326	96-4373-327	A7F110156024	A7F110156022	A7F110156023	A7F110156025
Constituent	Units							
Butyl Benzyl Phthalate	µg/kg							
Chloronaphthalene,2-	µg/kg							
Chlorophenol,2-	µg/kg							
Chlorophenyl Phenyl Ether,4-	µg/kg							
Chrysene	µg/kg							
Di-n-butyl Phthalate	µg/kg							
Di-n-octyl Phthalate	µg/kg							
Dibenzo[a,h]anthracene	µg/kg							
Dichloro-2-butylene,1,4-trans-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichlorobenzidine,3,3'-	µg/kg							
Dichlorophenol,2,4-	µg/kg							
Diethyl Phthalate	µg/kg							
Dimethyl Phthalate	µg/kg							
Dimethylphenol,2,4-	µg/kg							
Dinitro-o-cresol,4,6-	µg/kg							
Dinitrophenol,2,4-	µg/kg							
Dinitrotoluene,2,4-	µg/kg							
Dinitrotoluene,2,6-	µg/kg							
Diphenylhydrazine,1,2-	µg/kg							
Fluoranthene	µg/kg							
Fluorene	µg/kg							
Hexachlorobenzene	µg/kg							
Hexachlorobutadiene	µg/kg							
Hexachlorocyclopentadiene	µg/kg							
Hexachloroethane	µg/kg							
Indeno(1,2,3-cd)pyrene	µg/kg							
Isophorone	µg/kg							
N-nitroso-n-propylamine	µg/kg							

Notes: 1. Printed on 06/04/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-TP-08E	SK-TP-08N	SK-TP-08S	SK-TP-08W
	Sample ID	1017438	1017439	1017440	1635186	1635184	1635185	1635187
	Sample Date	08/28/1996	08/28/1996	08/28/1996	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	13:39	13:45	13:55	09:18	09:14	09:16	09:20
	Sample Depth	10' - 12'	12' - 14'	14' - 15'				
	Laboratory	LEA	LEA	LEA	QUAN	QUAN	QUAN	QUAN
	Lab. Number	96-4367-321	96-4372-326	96-4373-327	A7F110156024	A7F110156022	A7F110156023	A7F110156025
Constituent	Units							
N-nitrosodimethylamine	µg/kg							
N-nitrosodiphenylamine	µg/kg							
Naphthalene	µg/kg							
Nitrobenzene	µg/kg							
Nitrophenol,2-	µg/kg							
Nitrophenol,4-	µg/kg							
Pentachlorophenol	µg/kg							
Phenanthrene	µg/kg							
Phenol	µg/kg							
Propane),2,2'-oxybis(2-chloro-	µg/kg							
Pyrene	µg/kg							
Trichlorobenzene,1,2,4-	µg/kg							
Trichlorophenol,2,4,6-	µg/kg							
Acetone	µg/kg				<120 U	<120 U	<140 U	<130 U
Acetonitrile	µg/kg				<58 U	<59 U	<68 U	<65 U
Acrolein	µg/kg				<58 U	<59 U	<68 U	<65 U
Acrylonitrile	µg/kg				<120 U	<120 U	<140 U	<130 U
Allyl Chloride	µg/kg				<120 U	<120 U	<140 U	<130 U
Benzene	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Benzene (screening)	µg/kg	<8	<8	<8				
Bromobenzene	µg/kg							
Bromoform	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Carbon Disulfide	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Carbon Tetrachloride	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Chlorobenzene	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Chlorodibromomethane	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Chloroethane	µg/kg				<12 U	<12 U	<14 U	<13 U
Chloroethyl Vinyl Ether,2-	µg/kg							

Notes: 1. Printed on 06/04/98

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SUMMARY OF ANALYTICAL RESULTS - SOIL

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-TP-08E	SK-TP-08N	SK-TP-08S	SK-TP-08W
	Sample ID	1017438	1017439	1017440	1635186	1635184	1635185	1635187
	Sample Date	08/28/1996	08/28/1996	08/28/1996	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	13:39	13:45	13:55	09:18	09:14	09:16	09:20
	Sample Depth	10' - 12'	12' - 14'	14' - 15'				
	Laboratory	LEA	LEA	LEA	QUAN	QUAN	QUAN	QUAN
	Lab. Number	96-4367-321	96-4372-326	96-4373-327	A7F110156024	A7F110156022	A7F110156023	A7F110156025
Constituent	Units							
Chloroform	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Chloroprene,beta-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Chlorotoluene,o-	µg/kg							
Chlorotoluene,p-	µg/kg							
Dibromomethane	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichlorobenzene,1,2-	µg/kg							
Dichlorobenzene,1,3-	µg/kg							
Dichlorobenzene,1,4-	µg/kg							
Dichlorobromomethane	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichlorodifluoromethane	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloroethane,1,1-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloroethane,1,2-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloroethylene,1,1-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloroethylene,1,2-cis-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloroethylene,1,2-trans-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloropropane,1,2-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloropropylene,1,3-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Dichloropropylene,1,3-cis-	µg/kg							
Dichloropropylene,1,3-trans-	µg/kg							
Dioxane,1,4-	µg/kg				<170 U	<180 U	<200 U	<200 U
Ethyl Methacrylate	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Ethylbenzene	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Ethylbenzene (screening)	µg/kg	<16	<17	<17				
Ethylene Dibromide	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Hexanone,2-	µg/kg				<58 U	<59 U	<68 U	<65 U
Iodomethane	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Isobutyl Alcohol	µg/kg				<58 U	<59 U	<68 U	<65 U
Methacrylonitrile	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U

Notes: 1. Printed on 06/04/98

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Table 3 *DRAFT*
SUMMARY OF ANALYTICAL RESULTS - SOIL
P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SB-57	SK-SB-57	SK-SB-57	SK-TP-08E	SK-TP-08N	SK-TP-08S	SK-TP-08W
	Sample ID	1017438	1017439	1017440	1635186	1635184	1635185	1635187
	Sample Date	08/28/1996	08/28/1996	08/28/1996	06/10/1997	06/10/1997	06/10/1997	06/10/1997
	Sample Time	13:39	13:45	13:55	09:18	09:14	09:16	09:20
	Sample Depth	10' - 12'	12' - 14'	14' - 15'				
	Laboratory	LEA	LEA	LEA	QUAN	QUAN	QUAN	QUAN
	Lab. Number	96-4367-321	96-4372-326	96-4373-327	A7F110156024	A7F110156022	A7F110156023	A7F110156025
Constituent	Units							
Methyl Bromide	µg/kg				<12 U	<12 U	<14 U	<13 U
Methyl Chloride	µg/kg				<12 U	<12 U	<14 U	<13 U
Methyl Ethyl Ketone	µg/kg				<120 U	<120 U	<140 U	<130 U
Methyl Methacrylate	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Methyl-2-pentanone,4-	µg/kg				<12 U	<12 U	<14 U	<13 U
Methyl-tert-butyl Ether	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Methylene Chloride	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Propionitrile	µg/kg				<23 U	<24 U	<27 U	<26 U
Styrene	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Tetrachloroethane,1,1,1,2-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Tetrachloroethane,1,1,2,2-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Tetrachloroethylene	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Tetrachloroethylene (screening)	µg/kg	<21	<22	<21				
Toluene	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Toluene (screening)	µg/kg	<12	<12	<12				
Trichloroethane,1,1,1-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Trichloroethane,1,1,1- (screening)	µg/kg	<207	<215	<211				
Trichloroethane,1,1,2-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Trichloroethylene	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Trichloroethylene (screening)	µg/kg	<20	<21	<21				
Trichloromonofluoromethane	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Trichloropropane,1,2,3-	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Vinyl Acetate	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U
Vinyl Chloride	µg/kg				<12 U	<12 U	<14 U	<13 U
Xylenes (Total)	µg/kg				<5.8 U	<5.9 U	<6.8 U	<6.5 U

Notes: 1. Printed on 06/04/98

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Table 4 *DRAFT*

SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SLUDGE

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SL-05	SK-SL-05					
	Sample ID	1017539	1018917					
	Sample Date	08/21/1996	10/07/1996					
	Sample Time	11:45	12:28					
	Laboratory	AEL	AEL					
	Lab. Number	AEL96009325	AEL96011323					
Constituent	Units							
Date Metals Analyzed	-	09/05/1996						
Date Organics Analyzed	-	09/06/1996	10/10/1996					
Arsenic	mg/L	0.036						
Zinc	mg/L	0.016						
Chloroethane	µg/L	5.8 oh	3.5					
Dichlorobenzene,1,4-	µg/L	110 J11 oh	2.8					
Dichloroethane,1,1-	µg/L	240 J11 oh	680 J11					
Dichloroethane,1,2-	µg/L		1.1					
Dichloroethylene,1,1-	µg/L	3.8 oh	2.0					
Methyl Ethyl Ketone	µg/L		8.8					
Tetrachloroethylene	µg/L	2.1 J1 oh						
Toluene	µg/L	35 J11 oh	1.4					
Trichloroethane,1,1,1-	µg/L	270 J11 oh	220					
Trichloroethane,1,1,2-	µg/L	1.4 oh	1.1					
Trichloroethylene	µg/L	1.3 oh						

Notes: 1. Only Detects Shown
2. Printed on 06/04/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SL-05	SK-SL-05					
	Sample ID	1017539	1018917					
	Sample Date	08/21/1996	10/07/1996					
	Sample Time	11:45	12:28					
	Laboratory	AEL	AEL					
	Lab. Number	AEL96009325	AEL96011323					
Constituent	Units							
Date Metals Analyzed	-	09/05/1996						
Date Organics Analyzed	-	09/06/1996	10/10/1996					
Date PCBs Analyzed	-	09/13/1996						
Date Semi-volatile Organics Analyzed	-	09/10/1996						
Arsenic	mg/L	0.036						
Barium	mg/L	<0.010						
Cadmium	mg/L	<0.0010						
Chromium	mg/L	<0.010						
Lead	mg/L	<0.0050						
Mercury	mg/L	<0.0004						
Nickel	mg/L	<0.020						
Selenium	mg/L	<0.010						
Silver	mg/L	<0.010						
Zinc	mg/L	0.016						
PCB 1016	µg/L	<0.40						
PCB 1221	µg/L	<1.00						
PCB 1232	µg/L	<0.40						
PCB 1242	µg/L	<0.40						
PCB 1248	µg/L	<0.40						
PCB 1254	µg/L	<0.40						
PCB 1260	µg/L	<0.40						
Acenaphthene	µg/L	<10						
Acenaphthylene	µg/L	<1.57 MDL						
Anthracene	µg/L	<10						
Benzidine	µg/L	<10						
Benzo[a]anthracene	µg/L	<0.82 MDL						
Benzo[a]pyrene	µg/L	<0.37 MDL						
Benzo[b]fluoranthene	µg/L	<0.51 MDL						
Benzo[ghi]perylene	µg/L	<10						

Notes: 1. Printed on 06/04/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SL-05	SK-SL-05					
	Sample ID	1017539	1018917					
	Sample Date	08/21/1996	10/07/1996					
	Sample Time	11:45	12:28					
	Laboratory	AEL	AEL					
	Lab. Number	AEL96009325	AEL96011323					
Constituent	Units							
Benzo[k]fluoranthene	µg/L	<0.60 MDL						
Bis(2-chloroethoxy)methane	µg/L	<10						
Bis(2-chloroethyl) Ether	µg/L	<10						
Bis(2-ethylhexyl)phthalate	µg/L	<1.32 MDL						
Bromophenyl Phenyl Ether,4-	µg/L	<10						
Butyl Benzyl Phthalate	µg/L	<10						
Chloronaphthalene,2-	µg/L	<10						
Chlorophenol,2-	µg/L	<10						
Chlorophenyl Phenyl Ether,4-	µg/L	<10						
Chrysene	µg/L	<10						
Di-n-butyl Phthalate	µg/L	<10						
Di-n-octyl Phthalate	µg/L	<10						
Dibenzo[a,h]anthracene	µg/L	<10						
Dichlorobenzidine,3,3'-	µg/L	<10						
Dichlorophenol,2,4-	µg/L	<10						
Diethyl Phthalate	µg/L	<10						
Dimethyl Phthalate	µg/L	<10						
Dimethylphenol,2,4-	µg/L	<10						
Dinitro-o-cresol,4,6-	µg/L	<10						
Dinitrophenol,2,4-	µg/L	<10						
Dinitrotoluene,2,4-	µg/L	<10						
Dinitrotoluene,2,6-	µg/L	<10						
Diphenylhydrazine,1,2-	µg/L	<10						
Fluoranthene	µg/L	<10						
Fluorene	µg/L	<10						
Hexachlorobenzene	µg/L	<1.20 MDL						
Hexachlorobutadiene	µg/L	<10						
Hexachlorocyclopentadiene	µg/L	<10						
Hexachloroethane	µg/L	<3						

Notes: 1. Printed on 06/04/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SL-05	SK-SL-05					
	Sample ID	1017539	1018917					
	Sample Date	08/21/1996	10/07/1996					
	Sample Time	11:45	12:28					
	Laboratory	AEL	AEL					
	Lab. Number	AEL96009325	AEL96011323					
Constituent	Units							
Indeno(1,2,3-cd)pyrene	µg/L	<10						
Isophorone	µg/L	<10						
N-nitroso-n-propylamine	µg/L	<10						
N-nitrosodimethylamine	µg/L	<10						
N-nitrosodiphenylamine	µg/L	<10						
Naphthalene	µg/L	<10						
Nitrobenzene	µg/L	<10						
Nitrophenol,2-	µg/L	<10						
Nitrophenol,4-	µg/L	<10						
Pentachlorophenol	µg/L	<0.63 MDL						
Phenanthrene	µg/L	<1.06 MDL						
Phenol	µg/L	<10						
Propane),2,2'-oxybis(2-chloro-	µg/L	<10						
Pyrene	µg/L	<10						
Trichlorobenzene,1,2,4-	µg/L	<10						
Trichlorophenol,2,4,6-	µg/L	<10						
Acetone	µg/L	<4.0 oh	<4.0					
Acrolein	µg/L	<15 oh	<15					
Acrylonitrile	µg/L	<0.65 oh	<0.65					
Benzene	µg/L	<1.0 oh	<1.0					
Bromobenzene	µg/L	<1.0 oh	<1.0					
Bromoform	µg/L	<1.0 oh	<1.0					
Carbon Disulfide	µg/L	<1.0 oh	<1.0					
Carbon Tetrachloride	µg/L	<1.0 oh	<1.0					
Chlorobenzene	µg/L	<1.0 oh	<1.0					
Chlorodibromomethane	µg/L	<0.50 oh	<0.50					
Chloroethane	µg/L	5.8 oh	3.5					
Chloroethyl Vinyl Ether,2-	µg/L	<1.0 oh	<1.0					
Chloroform	µg/L	<1.0 oh	<1.0 N1					

Notes: 1. Printed on 06/04/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SL-05	SK-SL-05					
	Sample ID	1017539	1018917					
	Sample Date	08/21/1996	10/07/1996					
	Sample Time	11:45	12:28					
	Laboratory	AEL	AEL					
	Lab. Number	AEL96009325	AEL96011323					
Constituent	Units							
Chlorotoluene,o-	µg/L	<1.0 oh	<1.0					
Chlorotoluene,p-	µg/L	<1.0 oh	<1.0					
Dibromomethane	µg/L	<1.0 oh	<1.0					
Dichlorobenzene,1,2-	µg/L	<1.0 oh	<1.0					
Dichlorobenzene,1,3-	µg/L	<1.0 oh	<1.0					
Dichlorobenzene,1,4-	µg/L	110 J11 oh	2.8					
Dichlorobromomethane	µg/L	<1.0 oh	<1.0					
Dichlorodifluoromethane	µg/L	<1.0 oh	<1.0					
Dichloroethane,1,1-	µg/L	240 J11 oh	680 J11					
Dichloroethane,1,2-	µg/L	<1.0 oh	1.1					
Dichloroethylene,1,1-	µg/L	3.8 oh	2.0					
Dichloroethylene,1,2-cis-	µg/L	<1.0 oh	<1.0					
Dichloroethylene,1,2-trans-	µg/L	<1.0 oh	<1.0					
Dichloropropane,1,2-	µg/L	<1.0 oh	<1.0					
Dichloropropylene,1,3-cis-	µg/L	<0.50 oh	<0.50					
Dichloropropylene,1,3-trans-	µg/L	<0.50 oh	<0.50					
Ethylbenzene	µg/L	<1.0 oh	<1.0					
Hexanone,2-	µg/L	<2.0 oh	<2.0					
Methyl Bromide	µg/L	<1.0 oh	<1.0					
Methyl Chloride	µg/L	<1.0 oh	<1.0					
Methyl Ethyl Ketone	µg/L	<2.0 oh	8.8					
Methyl-2-pentanone,4-	µg/L	<2.0 oh	<2.0					
Methyl-tert-butyl Ether	µg/L	<1.0 oh	<1.0					
Methylene Chloride	µg/L	<2.0 oh	<2.0					
Styrene	µg/L	<1.0 oh	<1.0					
Tetrachloroethane,1,1,1,2-	µg/L	<1.0 oh	<1.0					
Tetrachloroethane,1,1,2,2-	µg/L	<0.50 oh	<0.50					
Tetrachloroethylene	µg/L	2.1 J1 oh	<1.0					
Toluene	µg/L	35 J11 oh	1.4					

Notes: 1. Printed on 06/04/98

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Table 5

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SUMMARY OF ANALYTICAL RESULTS - SLUDGE

P&W East Hartford: Former Linde Gas Chemical Storage Building Septic System

	Location ID	SK-SL-05	SK-SL-05					
	Sample ID	1017539	1018917					
	Sample Date	08/21/1996	10/07/1996					
	Sample Time	11:45	12:28					
	Laboratory	AEL	AEL					
	Lab. Number	AEL96009325	AEL96011323					
Constituent	Units							
Trichloroethane,1,1,1-	µg/L	270 J11 oh	220					
Trichloroethane,1,1,2-	µg/L	1.4 oh	1.1					
Trichloroethylene	µg/L	1.3 oh	<1.0					
Trichloromonofluoromethane	µg/L	<1.0 oh	<1.0					
Trichloropropane,1,2,3-	µg/L	<1.0 oh	<1.0					
Vinyl Acetate	µg/L	<2.0 oh	<2.0					
Vinyl Chloride	µg/L	<1.0 oh	<1.0					
Xylenes (Total)	µg/L	<1.0 oh	<1.0					

Notes: 1. Printed on 06/04/98

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