

**RCRA Corrective Action
Environmental Indicator (EI) RCRIS code (CA725)**

Attachment No. 5

***Summary of Surface Soil Analytical Data
and
Constituents Detected in Surface Soil
Environmental Indicator Determination
and
Evaluation of Soil Data From ECM vs. non-ECM Areas of the Site
For
Pratt & Whitney Rocky Hill Facility***

**SURFACE SOIL SAMPLING
IN SUPPORT OF
VCAP RISK ASSESSMENT**

**Pratt & Whitney
Rocky Hill, CT**

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1. SUMMARY

Surface soil sampling was performed at the Pratt & Whitney Rocky Hill facility in support of the Voluntary Corrective Action Plan (VCAP) Risk Assessment. The samples collected were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), eight RCRA metals plus copper, nickel and zinc, total petroleum hydrocarbons (TPH) and polychlorinated biphenyls (PCBs).

2. FACILITY INFORMATION

The Pratt & Whitney Rocky Hill facility, is located at 60 Belamose Avenue in Rocky Hill, Connecticut. The facility consists of a main factory building, a separate powerhouse, and several auxiliary buildings on 51.5 acres of land. The site includes two hazardous waste storage buildings, a NPDES-permitted wastewater treatment system, and general flammable materials storage areas.

3. METHODOLOGY

Sixteen surface soil samples were collected during these investigations from the site. The samples were collected from the upper 6-inches of soil using a decontaminated spatula and placed into laboratory-supplied glassware.

The sample collection equipment was decontaminated between sampling locations. The samples collected were placed in an ice-filled cooler and submitted to Lancaster Laboratories, Lancaster, PA for analysis under chain-of-custody procedures. The collected samples were analyzed for VOCs, SVOCs, metals (As, Ba, Cd, Cr, Pb, Hg, Se, Ag, Cu, Ni, and Zn), TPH and PCBs. All sample locations are shown in the Site Plan provided as Attachment No. 2 of the *Documentation of Environmental Indicator Determination for Current Human Exposures Under Control*. In addition, one trip blank, one equipment blank, and one performance evaluation sample were submitted for quality assurance/quality control (QA/QC) purposes.

4. RESULTS

A summary of sampling and analytical information is provided in Table 1 while the analytical results (detected values only) are presented in Table 2. A summary of all analytical results is provided in Table 3. Tables 4a through 4c present a list of exceedances over generic Pratt & Whitney screening levels. A list of qualifiers is attached at the end of the Table section in this report. All sampling locations are shown on the Site Plan provided as Attachment No. 2 of the

Documentation of Environmental Indicator Determination for Current Human Exposures Under Control.

The range of metal concentrations detected for each metal analyzed were as follows: arsenic (1.2 - 4.4 mg/kg); barium (23.9 - 159 mg/kg); cadmium (0.59 - 2.2 mg/kg); chromium (10.5 - 20.7 mg/kg); copper (9.3 - 99.1 mg/kg); lead (0.0115 - 0.171 mg/kg); mercury (0.0047 - 0.73 mg/kg); nickel (8.7 - 46.0 mg/kg); silver (ND<0.23 - 0.25 mg/kg); and zinc (24.9 - 147 mg/kg).

PCB concentrations ranged from non detectable levels (ND<37 $\mu\text{g}/\text{kg}$) up to 190 $\mu\text{g}/\text{kg}$. The highest total PCB concentration (300 $\mu\text{g}/\text{kg}$) was observed at location RH-RSK-SS-07. The TPH concentrations ranged from non detectable levels (ND<50 mg/kg) to 106 mg/kg. SVOC compounds detected, and their corresponding ranges, included: anthracene (ND<410 - 910 $\mu\text{g}/\text{kg}$); benzo(a)anthracene (65 - 3,400 $\mu\text{g}/\text{kg}$); benzo(a)pyrene (62 - 2,500 $\mu\text{g}/\text{kg}$); benzo(b)fluoranthene (110 - 3,500 $\mu\text{g}/\text{kg}$); benzo(k)fluoranthene (42 - 1,200 $\mu\text{g}/\text{kg}$); chrysene (90 - 3,300 $\mu\text{g}/\text{kg}$); fluoranthene (140 - 3,600 $\mu\text{g}/\text{kg}$); phenanthrene (84 - 2,700 $\mu\text{g}/\text{kg}$); pyrene (130 - 4,800 $\mu\text{g}/\text{kg}$); etc. No volatile organic compounds were detected in any of the samples analyzed with the exception of acetone (18J $\mu\text{g}/\text{kg}$) and methylene chloride (3J $\mu\text{g}/\text{kg}$), which are attributed to laboratory contamination. The qualifier J denotes an estimated concentration below the detection limit.

One trip blank and one equipment blank were submitted with this data set. 1,1-Dichloroethylene at a concentration of 9 $\mu\text{g}/\text{kg}$ was detected in the equipment blank. However, 1,1-dichloroethylene was not detected in any of the samples. No other compounds were detected in the blanks. Good agreement was obtained between the blind duplicate samples analyzed (RH-RSK-SS-05). Relative percent differences ranged up to 56% (bis(2-ethylhexyl)phthalate detected at 220 J $\mu\text{g}/\text{kg}$ and 390 J $\mu\text{g}/\text{kg}$ in the duplicate).

One performance evaluation sample for each suite of compounds was also submitted for analysis along with the samples. All volatile organic compounds were reported within acceptance limits. Acetone and 1,1-dichloroethylene were detected as false positives, i.e., they were absent from the vendor-specified acceptance limits. Five SVOC compounds (acenaphthene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, naphthalene, and 2-methylphenol) were reported outside acceptance limits and 4-aminobiphenyl was reported as a false positive. The results for PCBs and target metals were all reported within acceptance limits. The reported TPH concentration was below the corresponding acceptance limit.

Comparison of the soil data against applicable VCAP screening levels indicated an exceedance. Specifically, the soil data were compared to applicable numeric criteria published in Table 3-10 of the *Conceptual Site Models and Screening Levels for Pratt & Whitney's VCAP Connecticut Facilities*, prepared by Gradient Corporation, issued on December 19, 1997 and revised on September 18, 1998 and September 15, 1999. Table 3-10 is titled, *Generic P&W Soil Screening Levels (SSLs) Based on Dermal Contact, P&W VCAP, Connecticut Facilities*. The screening levels for soil were based on the limits for groundskeepers, samplers, and trespassers. The comparison indicated a single exceedance over the generic P&W VCAP soil screening levels for groundskeepers for benzo[a]pyrene at location RH-RSK-SS-01. It should be noted that benzo[a]pyrene is not a primary constituent of concern at this facility. Further the 95% upper confidence limit (UCL) of the mean of the data set for benzo[a]pyrene in surficial soil (808 $\mu\text{g}/\text{kg}$) at the facility is below the screening level for groundskeepers (1600 $\mu\text{g}/\text{kg}$). To arrive at this result, the data for this exposure scenario was log-transformed to achieve a normal distribution that resulted in an average benzo[a]pyrene concentration of 363 $\mu\text{g}/\text{kg}$ with a standard deviation of 813 $\mu\text{g}/\text{kg}$. Therefore no exceedances are observed in soil. It should also be noted that the project-specific practical quantitation limit for n-nitrosodimethylamine is 330 $\mu\text{g}/\text{kg}$. Subsequent to the analyses performed, lower screening levels were performed by Gradient Corporation. The screening level for n-nitrosodimethylamine for groundskeepers is 230 $\mu\text{g}/\text{kg}$, and for samplers 400 $\mu\text{g}/\text{kg}$. The lower screening levels were developed in response to recent changes in the conceptual site model, which was finalized on September 15, 1999. Although the analyses were done using a higher detection limit, n-nitrosodimethylamine has not been detected in any of the samples analyzed. Moreover, based on historic sampling and manufacturing use / operational knowledge n-nitrosodimethylamine is not expected to be a constituent of concern at the Pratt & Whitney facilities. Therefore, no further evaluation is necessary regarding this compound. Tables 4a through 4c present a list of exceedances over applicable screening levels.

A letter from Lancaster Laboratories regarding the detection limits achieved was provided to EPA in the *Pratt & Whitney Voluntary Corrective Action Plan Progress Report for Third Quarter 1999*. According to the letter, instrument sensitivity and purging characteristics limit the achievable detection limits.

Table 1
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

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
RH-RSK-SS-01	1656391	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-02	1656392	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-03	1656393	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-04	1656394	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-05	1656395	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-05	1656396	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-06	1656397	03/19/1998			SS		X	X			X	X		X
RH-RSK-SS-07	1656398	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-08	1656399	03/19/1998			SS		x	X			x	X		X
RH-RSK-SS-09	1656401	03/19/1998			SS		x	X			x	X		X
RH-RSK-SS-10	1656402	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-11	1656403	03/19/1998			SS		X	X			X	X		X
RH-RSK-SS-12	1656404	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-13	1656405	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-14	1656406	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-15	1656407	03/19/1998			SS		x	X			X	X		X
RH-RSK-SS-16	1656408	03/19/1998			SS		x	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 10/06/1999



Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-01	RH-RSK-SS-02	RH-RSK-SS-03	RH-RSK-SS-04	RH-RSK-SS-05	RH-RSK-SS-05	RH-RSK-SS-06
Sample ID		1656391	1656392	1656393	1656394	1656395	1656396	1656397
Sample Date		03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time		09:20	09:35	09:40	09:45	10:15	10:17	10:30
Laboratory		LANC						
Lab. Number		2896589	2896590	2896591	2896592	2896593	2896594	2896595
Constituent	Units							
Date Metals Analyzed	-	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998
Date Organics Analyzed	-							04/02/1998
Date PCBs Analyzed	-	03/23/1998	03/23/1998	03/23/1998	03/23/1998	03/23/1998	03/23/1998	03/23/1998
Date Physical Analyzed	-	04/02/1998	04/02/1998	04/02/1998		04/03/1998	04/03/1998	
Date Semi-volatile Organics Analyzed	-	03/26/1998	03/27/1998	03/30/1998	03/30/1998	03/30/1998	03/30/1998	03/30/1998
Arsenic	mg/kg	2.8 P	1.2 P	2.9 P	3.6 P	2.8 P	2.7 P	2.9 P
Barium	mg/kg	68.1 P	45.0 P	30.5 P	31.0 P	34.8 P	31.0 P	41.8 P
Cadmium	mg/kg	1.4 P	1.2 P	0.90 P	1.0 P	1.4 P	1.0 P	1.1 P
Chromium	mg/kg	14.4 P	13.7 P	10.9 P	12.1 P	18.7 P	16.0 P	13.1 P
Copper	mg/kg	30.7 N	23.9 N	13.7 N	15.2 N	17.7 N	17.8 N	15.8 N
Lead	mg/kg	0.0926 P	0.0383 P	0.0185 P	0.0259 P	0.0271 P	0.0268 P	0.0247 P
Mercury	mg/kg	0.085 B	0.73 C	0.078 B	0.11 B	0.052 B	0.060 B	0.076 B
Nickel	mg/kg	13.1 P	16.8 P	8.7 P	9.0 P	19.6 P	18.4 P	15.0 P
Silver	mg/kg	0.14 B		0.15 B	0.15 B	0.14 B	0.12 B	0.16 B
Zinc	mg/kg	74.1 E	69.5 E	31.3 E	39.7 E	42.2 E	38.0 E	36.7 E
PCB 1254	µg/kg							
PCB 1260	µg/kg	23 J	9.2 J	9 J	9.5 J	19 J	14 J	8.8 J
Total Petroleum Hydrocarbons	mg/kg	29 J	106	16 J		17 J J	23 J J	
Acenaphthene	µg/kg	280 J						
Acenaphthylene	µg/kg	140 J						
Anthracene	µg/kg	910	57 J					
Benzo[a]anthracene	µg/kg	3400	500	65 J	80 J	73 J	87 J	99 J
Benzo[a]pyrene	µg/kg	2500	590	62 J	93 J	90 J	93 J	120 J
Benzo[b]fluoranthene	µg/kg	3500	800	110 J	140 J	140 J	160 J	180 J
Benzo[ghi]perylene	µg/kg	1000	350 J					
Benzo[k]fluoranthene	µg/kg	1200	290 J		47 J	42 J	53 J	49 J
Bis(2-ethylhexyl)phthalate	µg/kg	280 J	140 J	160 J	980	390 J	220 J	100 J
Butyl Benzyl Phthalate	µg/kg				47 J			
Chrysene	µg/kg	3300	520	90 J	110 J	110 J	110 J	150 J

Notes: 1. Only Detects Shown
2. Printed on 10/06/1999



Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-07	RH-RSK-SS-08	RH-RSK-SS-09	RH-RSK-SS-10	RH-RSK-SS-11	RH-RSK-SS-12	RH-RSK-SS-13
Sample ID		1656398	1656399	1656401	1656402	1656403	1656404	1656405
Sample Date		03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time		10:40	10:50	11:00	11:10	11:20	12:00	12:10
Laboratory		LANC						
Lab. Number		2896596	2896597	2896599	2896600	2896601	2896602	2896603
Constituent	Units							
Date Metals Analyzed	-	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998
Date Organics Analyzed	-					04/02/1998		
Date PCBs Analyzed	-	03/23/1998			03/23/1998	03/23/1998	03/24/1998	03/24/1998
Date Physical Analyzed	-	04/03/1998	04/03/1998	04/03/1998	04/03/1998			04/03/1998
Date Semi-volatile Organics Analyzed	-	03/30/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/27/1998
Arsenic	mg/kg	3.6 P	3.6 P	4.4 P	2.7 P	3.8 P	3.6 P	3.6 P
Barium	mg/kg	159 P	62.6 P	99.8 P	70.5 P	44.7 P	32.1 P	38.6 P
Cadmium	mg/kg	2.2 P	1.2 P	1.5 P	1.6 P	0.96 P	0.92 P	0.91 P
Chromium	mg/kg	18.6 P	15.8 P	20.7 P	17.6 P	11.1 P	12.4 P	15.6 P
Copper	mg/kg	99.1 N	34.4 N	65.5 N	22.4 N	18.3 N	16.6 N	15.2 N
Lead	mg/kg	0.171 P	0.0184 P	0.0240 P	0.0202 P	0.0307 P	0.0250 P	0.0246 P
Mercury	mg/kg	0.26 C	0.056 B	0.072 B	0.051 B	0.080 B	0.094 B	0.0047 B
Nickel	mg/kg	46.0 P	15.8 P	20.0 P	18.5 P	9.0 P	9.4 P	13.1 P
Silver	mg/kg	0.14 B	0.25 B		0.15 B	0.23 B	0.25 B	0.16 B
Zinc	mg/kg	147 E	50.9 E	62.8 E	53.6 E	36.3 E	35.8 E	36.0 E
PCB 1254	µg/kg	190						
PCB 1260	µg/kg	110			24 J	17 J	17 J	13 J
Total Petroleum Hydrocarbons	mg/kg	20 J J	19 J J	30 J J	21 J J			18 J J
Acenaphthene	µg/kg	310 J	180 J					46 J J
Acenaphthylene	µg/kg							
Anthracene	µg/kg	340 J	320 J					57 J
Benzo[a]anthracene	µg/kg	830	570	140 J	150 J	86 J	130 J	220 J
Benzo[a]pyrene	µg/kg	760	510	180 J	160 J	87 J	140 J	170 J
Benzo[b]fluoranthene	µg/kg	990	650	250 J	230 J	140 J	220 J	230 J
Benzo[ghi]perylene	µg/kg	400 J	200 J		88 J		67 J	
Benzo[k]fluoranthene	µg/kg	360 J	230 J	91 J	91 J	43 J	63 J	85 J
Bis(2-ethylhexyl)phthalate	µg/kg	390 J			200 J		160 J	
Butyl Benzyl Phthalate	µg/kg							
Chrysene	µg/kg	930	680	220 J	210 J	130 J	180 J	210 J

Notes: 1. Only Detects Shown
2. Printed on 10/06/1999



Table 2
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION (DETECTS) - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-14	RH-RSK-SS-15	RH-RSK-SS-16				
	Sample ID	1656406	1656407	1656408				
	Sample Date	03/19/1998	03/19/1998	03/19/1998				
	Sample Time	12:20	12:25	12:30				
	Laboratory	LANC	LANC	LANC				
	Lab. Number	2896604	2896605	2896606				
Constituent	Units							
Date Metals Analyzed	-	03/31/1998	03/31/1998	03/31/1998				
Date Organics Analyzed	-							
Date PCBs Analyzed	-	03/24/1998	03/24/1998	03/24/1998				
Date Physical Analyzed	-		04/03/1998	04/03/1998				
Date Semi-volatile Organics Analyzed	-	04/01/1998	03/31/1998	03/31/1998				
Arsenic	mg/kg	1.5 P	1.6 P	2.3 P				
Barium	mg/kg	23.9 P	42.9 P	57.7 P				
Cadmium	mg/kg	0.59 P	0.81 P	1.1 P				
Chromium	mg/kg	10.5 P	11.1 P	12.2 P				
Copper	mg/kg	9.3 N	20.9 N	35.1 N				
Lead	mg/kg	0.0115 P	0.0298 P	0.0911 P				
Mercury	mg/kg	0.021 B	0.045 B	0.29 C				
Nickel	mg/kg	16.7 P	11.8 P	19.3 P				
Silver	mg/kg	0.14 B	0.12 B	0.15 B				
Zinc	mg/kg	24.9 E	40.3 E	75.4 E				
PCB 1254	µg/kg			12 J				
PCB 1260	µg/kg	6 J	11 J	21 J				
Total Petroleum Hydrocarbons	mg/kg		57 J	69 J				
Acenaphthene	µg/kg							
Acenaphthylene	µg/kg							
Anthracene	µg/kg			59 J				
Benzo[a]anthracene	µg/kg	110 J	210 J	400				
Benzo[a]pyrene	µg/kg	130 J	230 J	450 J				
Benzo[b]fluoranthene	µg/kg	160 J	310 J	600 J				
Benzo[ghi]perylene	µg/kg	98 J	120 J	220 J J				
Benzo[k]fluoranthene	µg/kg	59 J	120 J	220 J J				
Bis(2-ethylhexyl)phthalate	µg/kg	160 J	130 J	82 J				
Butyl Benzyl Phthalate	µg/kg							
Chrysene	µg/kg	130 J	240 J	490				

Notes: 1. Only Detects Shown
2. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

Location ID	RH-RSK-SS-01	RH-RSK-SS-02	RH-RSK-SS-03	RH-RSK-SS-04	RH-RSK-SS-05	RH-RSK-SS-05	RH-RSK-SS-06
Sample ID	1656391	1656392	1656393	1656394	1656395	1656396	1656397
Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time	09:20	09:35	09:40	09:45	10:15	10:17	10:30
Laboratory	LANC						
Lab. Number	2896589	2896590	2896591	2896592	2896593	2896594	2896595
Constituent	Units						
Date Metals Analyzed	-	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998
Date Organics Analyzed	-	04/02/1998	04/02/1998	04/02/1998	04/02/1998	04/02/1998	04/02/1998
Date PCBs Analyzed	-	03/23/1998	03/23/1998	03/23/1998	03/23/1998	03/23/1998	03/23/1998
Date Physical Analyzed	-	04/02/1998	04/02/1998	04/02/1998	04/03/1998	04/03/1998	04/03/1998
Date Semi-volatile Organics Analyzed	-	03/26/1998	03/27/1998	03/30/1998	03/30/1998	03/30/1998	03/30/1998
Diallate	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Arsenic	mg/kg	2.8 P	1.2 P	2.9 P	3.6 P	2.8 P	2.9 P
Barium	mg/kg	68.1 P	45.0 P	30.5 P	31.0 P	34.8 P	41.8 P
Cadmium	mg/kg	1.4 P	1.2 P	0.90 P	1.0 P	1.4 P	1.1 P
Chromium	mg/kg	14.4 P	13.7 P	10.9 P	12.1 P	18.7 P	13.1 P
Copper	mg/kg	30.7 N	23.9 N	13.7 N	15.2 N	17.7 N	15.8 N
Lead	mg/kg	0.0926 P	0.0383 P	0.0185 P	0.0259 P	0.0271 P	0.0247 P
Mercury	mg/kg	0.085 B	0.73 C	0.078 B	0.11 B	0.052 B	0.076 B
Nickel	mg/kg	13.1 P	16.8 P	8.7 P	9.0 P	19.6 P	15.0 P
Selenium	mg/kg	<1.3 U	<1.1 U	<1.2 U	<1.3 U	<1.2 U	<1.3 U
Silver	mg/kg	0.14 B	<0.23 U	0.15 B	0.15 B	0.14 B	0.16 B
Zinc	mg/kg	74.1 E	69.5 E	31.3 E	39.7 E	42.2 E	36.7 E
PCB 1016	µg/kg	<42 U	<37 U	<41 U	<42 U	<41 U	<44 U
PCB 1221	µg/kg	<85 U	<76 U	<83 U	<85 U	<83 U	<89 U
PCB 1232	µg/kg	<42 U	<37 U	<41 U	<42 U	<41 U	<44 U
PCB 1242	µg/kg	<42 U	<37 U	<41 U	<42 U	<41 U	<44 U
PCB 1248	µg/kg	<42 U	<37 U	<41 U	<42 U	<41 U	<44 U
PCB 1254	µg/kg	<42 U	<37 U	<41 U	<42 U	<41 U	<44 U
PCB 1260	µg/kg	23 J	9.2 J	9 J	9.5 J	19 J	8.8 J
Acetylaminofluorene,2-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Chlorobenzilate	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Dibromo-3-chloropropane,1,2-	µg/kg	<6 U	<6 U	<6 U	<6 U J	<6 U	<7 U J
Dimethoate	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Hexachlorobenzene	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<440 U

Notes: 1. Printed on 10/06/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-01	RH-RSK-SS-02	RH-RSK-SS-03	RH-RSK-SS-04	RH-RSK-SS-05	RH-RSK-SS-05	RH-RSK-SS-06
	Sample ID	1656391	1656392	1656393	1656394	1656395	1656396	1656397
	Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
	Sample Time	09:20	09:35	09:40	09:45	10:15	10:17	10:30
	Laboratory	LANC						
	Lab. Number	2896589	2896590	2896591	2896592	2896593	2896594	2896595
Constituent	Units							
Hexachlorocyclopentadiene	µg/kg	<420 U R	<380 U J	<410 U J	<420 U J	<410 U J	<410 U J	<440 U J
Isodrin	µg/kg	<840 U	<750 U	<820 U	<840 U	<820 U	<810 U	<880 U
Tetraethyl Dithiopyrophosphate	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Thionazin	µg/kg	<840 U	<750 U	<820 U	<840 U	<820 U	<810 U	<880 U
Total Petroleum Hydrocarbons	mg/kg	29 J	106	16 J	<51 U J	17 J J	23 J J	<53 U J
Acenaphthene	µg/kg	280 J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Acenaphthylene	µg/kg	140 J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Acetophenone	µg/kg	<420 U R	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Aminobiphenyl,4-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Aniline	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Anthracene	µg/kg	910	57 J	<410 U	<420 U	<410 U	<410 U	<440 U
Benzo[a]anthracene	µg/kg	3400	500	65 J	80 J	73 J	87 J	99 J
Benzo[a]pyrene	µg/kg	2500	590	62 J	93 J	90 J	93 J	120 J
Benzo[b]fluoranthene	µg/kg	3500	800	110 J	140 J	140 J	160 J	180 J
Benzo[ghi]perylene	µg/kg	1000	350 J	<410 U	<420 U	<410 U	<410 U	<440 U
Benzo[k]fluoranthene	µg/kg	1200	290 J	<410 U	47 J	42 J	53 J	49 J
Benzyl Alcohol	µg/kg	<840 U J	<750 U	<820 U	<840 U	<820 U	<810 U	<880 U
Bis(2-chloroethoxy)methane	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Bis(2-chloroethyl)ether	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Bis(2-chloroisopropyl)ether	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Bis(2-ethylhexyl)phthalate	µg/kg	280 J	140 J	160 J	980	390 J	220 J	100 J
Bromophenyl Phenyl Ether,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Butyl Benzyl Phthalate	µg/kg	<420 U	<380 U	<410 U	47 J	<410 U	<410 U	<440 U
Chloro-m-cresol,p-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Chloroaniline,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Chloronaphthalene,2-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Chlorophenol,2-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Chlorophenyl Phenyl Ether,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Chrysene	µg/kg	3300	520	90 J	110 J	110 J	110 J	150 J

Notes: 1. Printed on 10/06/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-01	RH-RSK-SS-02	RH-RSK-SS-03	RH-RSK-SS-04	RH-RSK-SS-05	RH-RSK-SS-05	RH-RSK-SS-06
	Sample ID	1656391	1656392	1656393	1656394	1656395	1656396	1656397
	Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
	Sample Time	09:20	09:35	09:40	09:45	10:15	10:17	10:30
	Laboratory	LANC						
	Lab. Number	2896589	2896590	2896591	2896592	2896593	2896594	2896595
Constituent	Units							
Cresol,2-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Cresol,4-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Di-n-butyl Phthalate	µg/kg	<420 U	<380 U	<410 U	110 J	100 J	170 J	<440 U
Di-n-octyl Phthalate	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dibenzo[a,h]anthracene	µg/kg	510	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dibenzofuran	µg/kg	110 J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dichloro-2-butylene,1,4-trans-	µg/kg	<63 U	<56 U	<62 U	<63 U J	<62 U	<61 U J	<66 U J
Dichlorobenzidine,3,3'-	µg/kg	<840 U	<750 U	<820 U	<840 U	<820 U	<810 U	<880 U
Dichlorophenol,2,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dichlorophenol,2,6-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Diethyl Phthalate	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dimethyl Phthalate	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dimethylaminoazobenzene,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dimethylbenzidine,3,3'-	µg/kg	<840 U J	<750 U	<820 U	<840 U	<820 U	<810 U	<880 U
Dimethylbenzo[a]anthracene,7,12-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dimethylphenol,2,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dinitro-o-cresol,4,6-	µg/kg	<1100 U	<940 U	<1000 U	<1100 U	<1000 U	<1000 U	<1100 U
Dinitrobenzene,1,3-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dinitrophenol,2,4-	µg/kg	<1100 U	<940 U	<1000 U	<1100 U	<1000 U	<1000 U	<1100 U
Dinitrotoluene,2,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Dinitrotoluene,2,6-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Ethylmethanesulfonate	µg/kg	<840 U	<750 U	<820 U	<840 U	<820 U	<810 U	<880 U
Fluoranthene	µg/kg	3600	660	140 J	190 J	170 J	180 J	220 J
Fluorene	µg/kg	440	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Hexachlorobutadiene	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Hexachloroethane	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Hexachloropropylene	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Indeno(1,2,3-cd)pyrene	µg/kg	1200	330 J	<410 U	<420 U	<410 U	<410 U	<440 U
Isophorone	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

Location ID	RH-RSK-SS-01	RH-RSK-SS-02	RH-RSK-SS-03	RH-RSK-SS-04	RH-RSK-SS-05	RH-RSK-SS-05	RH-RSK-SS-06
Sample ID	1656391	1656392	1656393	1656394	1656395	1656396	1656397
Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time	09:20	09:35	09:40	09:45	10:15	10:17	10:30
Laboratory	LANC						
Lab. Number	2896589	2896590	2896591	2896592	2896593	2896594	2896595
Constituent	Units						
Isosafrole	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Methapyrilene	µg/kg	88 J J	<750 U	<820 U	<840 U	<820 U	<880 U
Methyl Methanesulfonate	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<440 U
Methylcholanthrene,3-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Methylnaphthalene,2-	µg/kg	47 J	<380 U	<410 U	<420 U	<410 U	<440 U
Naphthalene	µg/kg	70 J	<380 U	<410 U	<420 U	<410 U	<440 U
Naphthoquinone,1,4-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<440 U
Naphthylamine,alpha-	µg/kg	<420 U R	<380 U	<410 U	<420 U	<410 U	<440 U
Naphthylamine,beta-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<440 U
Nitro-o-toluidine,5-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<440 U
Nitroaniline,2-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitroaniline,3-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitroaniline,4-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrobenzene	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrophenol,2-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrophenol,4-	µg/kg	<1100 U	<940 U	<1000 U	<1100 U	<1000 U	<1100 U
Nitroquinoline-1-oxide,4-	µg/kg	<4200 U R	<3800 U R	<4100 U R	<4200 U R	<4100 U R	<4400 U R
Nitroso-di-n-butylamine,n-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitroso-n-propylamine,n-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrosodiethylamine,n-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrosodimethylamine,n-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrosodiphenylamine,n-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrosomethylethylamine,n-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrosomorpholine,n-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrosopiperidine,n-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<440 U
Nitrosopyrrolidine,n-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Pentachlorophenol	µg/kg	<1100 U	<940 U	<1000 U	<1100 U	<1000 U	<1100 U
Phenacetin	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<440 U
Phenanthrene	µg/kg	2700	220 J	84 J	120 J	90 J	110 J
							160 J

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-01	RH-RSK-SS-02	RH-RSK-SS-03	RH-RSK-SS-04	RH-RSK-SS-05	RH-RSK-SS-05	RH-RSK-SS-06
	Sample ID	1656391	1656392	1656393	1656394	1656395	1656396	1656397
	Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
	Sample Time	09:20	09:35	09:40	09:45	10:15	10:17	10:30
	Laboratory	LANC						
	Lab. Number	2896589	2896590	2896591	2896592	2896593	2896594	2896595
Constituent	Units							
Phenol	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Phenylenediamine,1,4-	µg/kg	<8400 U R	<7500 U	<8200 U	<8400 U	<8200 U	<8100 U	<8800 U
Picoline,2-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Pronamide	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Pyrene	µg/kg	4800	740	130 J	190 J	190 J	200 J	240 J
Pyridine	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Safrole	µg/kg	<420 U R	<380 U R	<410 U R	<420 U R	<410 U R	<410 U R	<440 U R
Tetrachlorobenzene,1,2,4,5-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Tetrachlorophenol,2,3,4,6-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Toluidine,o-	µg/kg	<420 U J	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Trichlorophenol,2,4,5-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Trichlorophenol,2,4,6-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Triethyl Phosphorothioate,o,o,o-	µg/kg	<420 U	<380 U	<410 U	<420 U	<410 U	<410 U	<440 U
Trinitrobenzene,1,3,5-	µg/kg	<840 U R	<750 U R	<820 U R	<840 U R	<820 U R	<810 U R	<880 U R
Acetone	µg/kg	<25 U	<23 U	<25 U	<25 U J	<25 U	<24 U J	<27 U J
Acetonitrile	µg/kg	<130 U R	<110 U R	<120 U R	<130 U R	<120 U R	<120 U R	<130 U R
Acrolein	µg/kg	<130 U	<110 U	<120 U	<130 U R	<120 U R	<120 U R	<130 U R
Acrylonitrile	µg/kg	<63 U	<56 U	<62 U	<63 U R	<62 U R	<61 U R	<66 U R
Allyl Chloride	µg/kg	<6 U J	<6 U J	<6 U J	<6 U	<6 U	<6 U	<7 U
Benzene	µg/kg	<6 U	<7 U					
Bromoform	µg/kg	<6 U	<7 U					
Carbon Disulfide	µg/kg	<6 U	<7 U					
Carbon Tetrachloride	µg/kg	<6 U	<7 U					
Chlorobenzene	µg/kg	<6 U	<7 U					
Chlorodibromomethane	µg/kg	<6 U	<7 U					
Chloroethane	µg/kg	<6 U	<7 U					
Chloroform	µg/kg	<6 U	<7 U					
Chloroprene,beta-	µg/kg	<6 U	<7 U					
Dibromomethane	µg/kg	<6 U	<7 U					

Notes: 1. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-01	RH-RSK-SS-02	RH-RSK-SS-03	RH-RSK-SS-04	RH-RSK-SS-05	RH-RSK-SS-05	RH-RSK-SS-06
Sample ID	1656391	1656392	1656393	1656394	1656395	1656396	1656397	1656398
Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time	09:20	09:35	09:40	09:45	10:15	10:17	10:30	
Laboratory	LANC	LANC	LANC	LANC	LANC	LANC	LANC	LANC
Lab. Number	2896589	2896590	2896591	2896592	2896593	2896594	2896595	
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg	<420 U	<380 U	<410 U	<420 U J	<410 U	<410 U	<440 U J
Dichlorobenzene, 1,3-	µg/kg	<420 U	<380 U	<410 U	<420 U J	<410 U	<410 U	<440 U J
Dichlorobenzene, 1,4-	µg/kg	<420 U	<380 U	<410 U	<420 U J	<410 U	<410 U	<440 U J
Dichlorobromomethane	µg/kg	<6 U	<7 U					
Dichlorodifluoromethane	µg/kg	<6 U	<7 U					
Dichloroethane, 1,1-	µg/kg	<6 U	<7 U					
Dichloroethane, 1,2-	µg/kg	<6 U	<7 U					
Dichloroethylene, 1,1-	µg/kg	<6 U	<7 U					
Dichloroethylene, 1,2-cis-	µg/kg	<6 U	<7 U					
Dichloroethylene, 1,2-trans-	µg/kg	<6 U	<7 U					
Dichloropropane, 1,2-	µg/kg	<6 U	<7 U					
Dichloropropane, 1,3-	µg/kg	<6 U	<7 U					
Dichloropropylene, 1,3-cis-	µg/kg	<6 U	<7 U					
Dichloropropylene, 1,3-trans-	µg/kg	<6 U	<7 U					
Dioxane, 1,4-	µg/kg	<320 U R	<280 U R	<310 U R	<320 U R	<310 U R	<300 U R	<330 U R
Ethylbenzene	µg/kg	<6 U	<7 U					
Ethylene Dibromide	µg/kg	<6 U	<7 U					
Ethylmethacrylate	µg/kg	<6 U	<6 U	<6 U	<6 U J	<6 U	<6 U J	<7 U
Hexanone, 2-	µg/kg	<13 U J	<11 U J	<12 U J	<13 U	<12 U	<12 U	<13 U
Iodomethane	µg/kg	<6 U	<7 U					
Isobutyl Alcohol	µg/kg	<320 U R	<280 U R	<310 U R	<320 U R	<310 U R	<300 U R	<330 U R
Methacrylonitrile	µg/kg	<63 U	<56 U	<62 U	<63 U	<62 U	<61 U	<66 U
Methyl Bromide	µg/kg	<6 U	<7 U					
Methyl Chloride	µg/kg	<6 U	<7 U					
Methyl Ethyl Ketone	µg/kg	<13 U	<11 U	<12 U	<13 U J	<12 U	<12 U J	<13 U J
Methyl Methacrylate	µg/kg	<6 U	<7 U					
Methyl-2-pentanone, 4-	µg/kg	<13 U	<11 U	<12 U	<13 U	<12 U	<12 U	<13 U
Methyl-tert-butyl Ether	µg/kg	<6 U	<7 U					
Methylene Chloride	µg/kg	<6 U	3 J					

Notes: 1. Printed on 10/06/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-07	RH-RSK-SS-08	RH-RSK-SS-09	RH-RSK-SS-10	RH-RSK-SS-11	RH-RSK-SS-12	RH-RSK-SS-13
Sample ID		1656398	1656399	1656401	1656402	1656403	1656404	1656405
Sample Date		03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time		10:40	10:50	11:00	11:10	11:20	12:00	12:10
Laboratory		LANC						
Lab. Number		2896596	2896597	2896599	2896600	2896601	2896602	2896603
Constituent	Units							
Date Metals Analyzed	-	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998
Date Organics Analyzed	-	04/02/1998	04/02/1998	04/02/1998	04/02/1998	04/02/1998	04/02/1998	04/02/1998
Date PCBs Analyzed	-	03/23/1998	03/23/1998	03/23/1998	03/23/1998	03/23/1998	03/24/1998	03/24/1998
Date Physical Analyzed	-	04/03/1998	04/03/1998	04/03/1998	04/03/1998	04/03/1998	04/03/1998	04/03/1998
Date Semi-volatile Organics Analyzed	-	03/30/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/31/1998	03/27/1998
Diallate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Arsenic	mg/kg	3.6 P	3.6 P	4.4 P	2.7 P	3.8 P	3.6 P	3.6 P
Barium	mg/kg	159 P	62.6 P	99.8 P	70.5 P	44.7 P	32.1 P	38.6 P
Cadmium	mg/kg	2.2 P	1.2 P	1.5 P	1.6 P	0.96 P	0.92 P	0.91 P
Chromium	mg/kg	18.6 P	15.8 P	20.7 P	17.6 P	11.1 P	12.4 P	15.6 P
Copper	mg/kg	99.1 N	34.4 N	65.5 N	22.4 N	18.3 N	16.6 N	15.2 N
Lead	mg/kg	0.171 P	0.0184 P	0.0240 P	0.0202 P	0.0307 P	0.0250 P	0.0246 P
Mercury	mg/kg	0.26 C	0.056 B	0.072 B	0.051 B	0.080 B	0.094 B	0.0047 B
Nickel	mg/kg	46.0 P	15.8 P	20.0 P	18.5 P	9.0 P	9.4 P	13.1 P
Selenium	mg/kg	<1.3 U	<1.4 U	<1.3 U	<1.3 U	<1.3 U	<1.4 U	<1.2 U
Silver	mg/kg	0.14 B	0.25 B	<0.27 U	0.15 B	0.23 B	0.25 B	0.16 B
Zinc	mg/kg	147 E	50.9 E	62.8 E	53.6 E	36.3 E	35.8 E	36.0 E
PCB 1016	µg/kg	<42 U	<46 U	<44 U	<42 U	<41 U	<45 U	<41 U
PCB 1221	µg/kg	<85 U	<93 U	<90 U	<85 U	<84 U	<92 U	<83 U
PCB 1232	µg/kg	<42 U	<46 U	<44 U	<42 U	<41 U	<45 U	<41 U
PCB 1242	µg/kg	<42 U	<46 U	<44 U	<42 U	<41 U	<45 U	<41 U
PCB 1248	µg/kg	<42 U	<46 U	<44 U	<42 U	<41 U	<45 U	<41 U
PCB 1254	µg/kg	190	<46 U	<44 U	<42 U	<41 U	<45 U	<41 U
PCB 1260	µg/kg	110	<46 U	<44 U	24 J	17 J	17 J	13 J
Acetylaminofluorene,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Chlorobenzilate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dibromo-3-chloropropane,1,2-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Dimethoate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Hexachlorobenzene	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U

Notes: 1. Printed on 10/06/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-07	RH-RSK-SS-08	RH-RSK-SS-09	RH-RSK-SS-10	RH-RSK-SS-11	RH-RSK-SS-12	RH-RSK-SS-13
	Sample ID	1656398	1656399	1656401	1656402	1656403	1656404	1656405
	Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
	Sample Time	10:40	10:50	11:00	11:10	11:20	12:00	12:10
	Laboratory	LANC						
	Lab. Number	2896596	2896597	2896599	2896600	2896601	2896602	2896603
Constituent	Units							
Hexachlorocyclopentadiene	µg/kg	<420 U J	<460 U J	<450 U J	<420 U J	<420 U J	<460 U J	<410 U
Isodrin	µg/kg	<850 U	<920 U	<900 U	<850 U	<830 U	<910 U	<820 U
Tetraethyl Dithiopyrophosphate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Thionazin	µg/kg	<850 U	<920 U	<900 U	<850 U	<830 U	<910 U	<820 U
Total Petroleum Hydrocarbons	mg/kg	20 J J	19 J J	30 J J	21 J J	<50 U J	<55 U J	18 J J
Acenaphthene	µg/kg	310 J	180 J	<450 U	<420 U	<420 U	<460 U	46 J J
Acenaphthylene	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Acetophenone	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Aminobiphenyl,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Aniline	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Anthracene	µg/kg	340 J	320 J	<450 U	<420 U	<420 U	<460 U	57 J
Benzo[a]anthracene	µg/kg	830	570	140 J	150 J	86 J	130 J	220 J
Benzo[a]pyrene	µg/kg	760	510	180 J	160 J	87 J	140 J	170 J
Benzo[b]fluoranthene	µg/kg	990	650	250 J	230 J	140 J	220 J	230 J
Benzo[ghi]perylene	µg/kg	400 J	200 J	<450 U	88 J	<420 U	67 J	<410 U
Benzo[k]fluoranthene	µg/kg	360 J	230 J	91 J	91 J	43 J	63 J	85 J
Benzyl Alcohol	µg/kg	<850 U	<920 U	<900 U	<850 U	<830 U	<910 U	<820 U
Bis(2-chloroethoxy)methane	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Bis(2-chloroethyl)ether	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Bis(2-chloroisopropyl)ether	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Bis(2-ethylhexyl)phthalate	µg/kg	390 J	<460 U	<450 U	200 J	<420 U	160 J	<410 U
Bromophenyl Phenyl Ether,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Butyl Benzyl Phthalate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Chloro-m-cresol,p-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Chloroaniline,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Chloronaphthalene,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Chlorophenol,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Chlorophenyl Phenyl Ether,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Chrysene	µg/kg	930	680	220 J	210 J	130 J	180 J	210 J

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

Location ID	RH-RSK-SS-07	RH-RSK-SS-08	RH-RSK-SS-09	RH-RSK-SS-10	RH-RSK-SS-11	RH-RSK-SS-12	RH-RSK-SS-13	
Sample ID	1656398	1656399	1656401	1656402	1656403	1656404	1656405	
Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	
Sample Time	10:40	10:50	11:00	11:10	11:20	12:00	12:10	
Laboratory	LANC							
Lab. Number	2896596	2896597	2896599	2896600	2896601	2896602	2896603	
Constituent	Units							
Cresol,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U J
Cresol,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Di-n-butyl Phthalate	µg/kg	54 J	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Di-n-octyl Phthalate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dibenzo[a,h]anthracene	µg/kg	<420 U	53 J	<450 U	<420 U	<420 U	<460 U	<410 U
Dibenzofuran	µg/kg	96 J	86 J	<450 U	<420 U	<420 U	<460 U	<410 U
Dichloro-2-butylene,1,4-trans-	µg/kg	<64 U J	<69 U	<67 U	<63 U J	<63 U	<69 U	<62 U
Dichlorobenzidine,3,3'	µg/kg	<850 U	<920 U	<900 U	<850 U	<830 U	<910 U	<820 U
Dichlorophenol,2,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dichlorophenol,2,6-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Diethyl Phthalate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dimethyl Phthalate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dimethylaminoazobenzene,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dimethylbenzidine,3,3'	µg/kg	<850 U	<920 U	<900 U	<850 U	<830 U	<910 U	<820 U
Dimethylbenzo[a]anthracene,7,12-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dimethylphenol,2,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dinitro-o-cresol,4,6-	µg/kg	<1100 U	<1200 U	<1100 U	<1100 U	<1000 U	<1100 U	<1000 U
Dinitrobenzene,1,3-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dinitrophenol,2,4-	µg/kg	<1100 U	<1200 U	<1100 U	<1100 U	<1000 U	<1100 U	<1000 U
Dinitrotoluene,2,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Dinitrotoluene,2,6-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Ethylmethanesulfonate	µg/kg	<850 U	<920 U	<900 U	<850 U	<830 U	<910 U	<820 U
Fluoranthene	µg/kg	1800	1200	330 J	390 J	210 J	320 J	450
Fluorene	µg/kg	400 J	430 J	<450 U	<420 U	<420 U	<460 U	300 J
Hexachlorobutadiene	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Hexachloroethane	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Hexachloropropylene	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Indeno(1,2,3-cd)pyrene	µg/kg	410 J	230 J	98 J	92 J	45 J	<460 U	81 J
Isophorone	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U

Notes: 1. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

Location ID	RH-RSK-SS-07	RH-RSK-SS-08	RH-RSK-SS-09	RH-RSK-SS-10	RH-RSK-SS-11	RH-RSK-SS-12	RH-RSK-SS-13
Sample ID	1656398	1656399	1656401	1656402	1656403	1656404	1656405
Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time	10:40	10:50	11:00	11:10	11:20	12:00	12:10
Laboratory	LANC						
Lab. Number	2896596	2896597	2896599	2896600	2896601	2896602	2896603
Constituent	Units						
Isosafrole	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Methapyrilene	µg/kg	<850 U	<920 U J	<900 U J	<850 U J	<830 U J	<820 U
Methyl Methanesulfonate	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Methylcholanthrene,3-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Methylnaphthalene,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Naphthalene	µg/kg	71 J	<460 U	<450 U	<420 U	<420 U	<410 U J
Naphthoquinone,1,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Naphthylamine,alpha-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Naphthylamine,beta-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitro-o-toluidine,5-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitroaniline,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitroaniline,3-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitroaniline,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrobenzene	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrophenol,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrophenol,4-	µg/kg	<1100 U	<1200 U	<1100 U	<1100 U	<1000 U	<1000 U
Nitroquinoline-1-oxide,4-	µg/kg	<4200 U R	<4600 U R	<4500 U R	<4200 U R	<4200 U R	<4100 U R
Nitroso-di-n-butylamine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitroso-n-propylamine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrosodiethylamine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrosodimethylamine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrosodiphenylamine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrosomethylethylamine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrosomorpholine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrosopiperidine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Nitrosopyrrolidine,n-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Pentachlorophenol	µg/kg	<1100 U	<1200 U	<1100 U	<1100 U	<1000 U	<1000 U
Phenacetin	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<410 U
Phenanthrene	µg/kg	1600	1200	220 J	230 J	95 J	270 J

Notes: 1. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

Location ID	RH-RSK-SS-07	RH-RSK-SS-08	RH-RSK-SS-09	RH-RSK-SS-10	RH-RSK-SS-11	RH-RSK-SS-12	RH-RSK-SS-13	
Sample ID	1656398	1656399	1656401	1656402	1656403	1656404	1656405	
Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	
Sample Time	10:40	10:50	11:00	11:10	11:20	12:00	12:10	
Laboratory	LANC							
Lab. Number	2896596	2896597	2896599	2896600	2896601	2896602	2896603	
Constituent	Units							
Phenol	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Phenylenediamine,1,4-	µg/kg	<8500 U	<9200 U	<9000 U	<8500 U	<8300 U	<9100 U	<8200 U
Picoline,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Pronamide	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Pyrene	µg/kg	2000	1200	330 J	330 J	170 J	260 J	460
Pyridine	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Safrole	µg/kg	<420 U R	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U R
Tetrachlorobenzene,1,2,4,5-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Tetrachlorophenol,2,3,4,6-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Toluidine,o-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Trichlorophenol,2,4,5-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Trichlorophenol,2,4,6-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Triethyl Phosphorothioate,o,o,o-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U	<410 U
Trinitrobenzene,1,3,5-	µg/kg	<850 U R	<920 U R	<900 U R	<850 U R	<830 U R	<910 U R	<820 U R
Acetone	µg/kg	<25 U J	<28 U	<27 U	<25 U J	18 J	<27 U	<25 U
Acetonitrile	µg/kg	<130 U R	<140 U R	<130 U R	<130 U R	<130 U R	<140 U R	<120 U R
Acrolein	µg/kg	<130 U R	<140 U R	<130 U R	<130 U R	<130 U	<140 U	<120 U
Acrylonitrile	µg/kg	<64 U R	<69 U R	<67 U R	<63 U R	<63 U	<69 U	<62 U
Allyl Chloride	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Benzene	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Bromoform	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Carbon Disulfide	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Carbon Tetrachloride	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Chlorobenzene	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Chlorodibromomethane	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Chloroethane	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U J	<7 U J	<6 U J
Chloroform	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Chloroprene,beta-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U
Dibromomethane	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U	<6 U

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

Location ID	RH-RSK-SS-07	RH-RSK-SS-08	RH-RSK-SS-09	RH-RSK-SS-10	RH-RSK-SS-11	RH-RSK-SS-12	RH-RSK-SS-13
Sample ID	1656398	1656399	1656401	1656402	1656403	1656404	1656405
Sample Date	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998	03/19/1998
Sample Time	10:40	10:50	11:00	11:10	11:20	12:00	12:10
Laboratory	LANC						
Lab. Number	2896596	2896597	2896599	2896600	2896601	2896602	2896603
Constituent	Units						
Dichlorobenzene,1,2-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U J
Dichlorobenzene,1,3-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U J
Dichlorobenzene,1,4-	µg/kg	<420 U	<460 U	<450 U	<420 U	<420 U	<460 U
Dichlorobromomethane	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichlorodifluoromethane	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloroethane,1,1-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloroethane,1,2-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloroethylene,1,1-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloroethylene,1,2-cis-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloroethylene,1,2-trans-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloropropane,1,2-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloropropane,1,3-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloropropylene,1,3-cis-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dichloropropylene,1,3-trans-	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Dioxane,1,4-	µg/kg	<320 U R	<350 U R	<340 U R	<320 U R	<310 U R	<340 U R
Ethylbenzene	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Ethylene Dibromide	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Ethylmethacrylate	µg/kg	<6 U	<7 U	<7 U	<6 U J	<6 U	<7 U
Hexanone,2-	µg/kg	<13 U	<14 U	<13 U	<13 U	<13 U	<14 U
Iodomethane	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Isobutyl Alcohol	µg/kg	<320 U R	<350 U R	<340 U R	<320 U R	<310 U R	<340 U R
Methacrylonitrile	µg/kg	<64 U	<69 U	<67 U	<63 U	<63 U	<69 U
Methyl Bromide	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U J	<7 U J
Methyl Chloride	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Methyl Ethyl Ketone	µg/kg	<13 U J	<14 U	<13 U	<13 U J	<13 U	<14 U
Methyl Methacrylate	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Methyl-2-pentanone,4-	µg/kg	<13 U	<14 U	<13 U	<13 U	<13 U	<14 U
Methyl-tert-butyl Ether	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U
Methylene Chloride	µg/kg	<6 U	<7 U	<7 U	<6 U	<6 U	<7 U

Notes: 1. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-14	RH-RSK-SS-15	RH-RSK-SS-16				
	Sample ID	1656406	1656407	1656408				
	Sample Date	03/19/1998	03/19/1998	03/19/1998				
	Sample Time	12:20	12:25	12:30				
	Laboratory	LANC	LANC	LANC				
	Lab. Number	2896604	2896605	2896606				
Constituent	Units							
Date Metals Analyzed	-	03/31/1998	03/31/1998	03/31/1998				
Date Organics Analyzed	-	04/02/1998	04/02/1998	04/02/1998				
Date PCBs Analyzed	-	03/24/1998	03/24/1998	03/24/1998				
Date Physical Analyzed	-	04/03/1998	04/03/1998	04/03/1998				
Date Semi-volatile Organics Analyzed	-	04/01/1998	03/31/1998	03/31/1998				
Diallate	µg/kg	<420 U	<410 U	<390 U				
Arsenic	mg/kg	1.5 P	1.6 P	2.3 P				
Barium	mg/kg	23.9 P	42.9 P	57.7 P				
Cadmium	mg/kg	0.59 P	0.81 P	1.1 P				
Chromium	mg/kg	10.5 P	11.1 P	12.2 P				
Copper	mg/kg	9.3 N	20.9 N	35.1 N				
Lead	mg/kg	0.0115 P	0.0298 P	0.0911 P				
Mercury	mg/kg	0.021 B	0.045 B	0.29 C				
Nickel	mg/kg	16.7 P	11.8 P	19.3 P				
Selenium	mg/kg	<1.3 U	<1.2 U	<1.2 U				
Silver	mg/kg	0.14 B	0.12 B	0.15 B				
Zinc	mg/kg	24.9 E	40.3 E	75.4 E				
PCB 1016	µg/kg	<42 U	<41 U	<39 U				
PCB 1221	µg/kg	<85 U	<83 U	<79 U				
PCB 1232	µg/kg	<42 U	<41 U	<39 U				
PCB 1242	µg/kg	<42 U	<41 U	<39 U				
PCB 1248	µg/kg	<42 U	<41 U	<39 U				
PCB 1254	µg/kg	<42 U	<41 U	12 J				
PCB 1260	µg/kg	6 J	11 J	21 J				
Acetylaminofluorene,2-	µg/kg	<420 U	<410 U	<390 U				
Chlorobenzilate	µg/kg	<420 U	<410 U	<390 U				
Dibromo-3-chloropropane,1,2-	µg/kg	<6 U	<6 U	<6 U				
Dimethoate	µg/kg	<420 U	<410 U	<390 U				
Hexachlorobenzene	µg/kg	<420 U	<410 U	<390 U				

Notes: 1. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-14	RH-RSK-SS-15	RH-RSK-SS-16				
	Sample ID	1656406	1656407	1656408				
	Sample Date	03/19/1998	03/19/1998	03/19/1998				
	Sample Time	12:20	12:25	12:30				
	Laboratory	LANC	LANC	LANC				
	Lab. Number	2896604	2896605	2896606				
Constituent	Units							
Hexachlorocyclopentadiene	µg/kg	<420 U J	<410 U J	<390 U J				
Isodrin	µg/kg	<850 U	<830 U	<780 U				
Tetraethyl Dithiopyrophosphate	µg/kg	<420 U	<410 U	<390 U				
Thionazin	µg/kg	<850 U	<830 U	<780 U				
Total Petroleum Hydrocarbons	mg/kg	<51 U J	57 J	69 J				
Acenaphthene	µg/kg	<420 U	<410 U	<390 U				
Acenaphthylene	µg/kg	<420 U	<410 U	<390 U				
Acetophenone	µg/kg	<420 U	<410 U	<390 U				
Aminobiphenyl,4-	µg/kg	<420 U	<410 U	<390 U				
Aniline	µg/kg	<420 U	<410 U	<390 U				
Anthracene	µg/kg	<420 U	<410 U	59 J				
Benzo[a]anthracene	µg/kg	110 J	210 J	400				
Benzo[a]pyrene	µg/kg	130 J	230 J	450 J				
Benzo[b]fluoranthene	µg/kg	160 J	310 J	600 J				
Benzo[ghi]perylene	µg/kg	98 J	120 J	220 J J				
Benzo[k]fluoranthene	µg/kg	59 J	120 J	220 J J				
Benzyl Alcohol	µg/kg	<850 U J	<830 U	<780 U				
Bis(2-chloroethoxy)methane	µg/kg	<420 U	<410 U	<390 U				
Bis(2-chloroethyl)ether	µg/kg	<420 U	<410 U	<390 U				
Bis(2-chloroisopropyl)ether	µg/kg	<420 U	<410 U	<390 U				
Bis(2-ethylhexyl)phthalate	µg/kg	160 J	130 J	82 J				
Bromophenyl Phenyl Ether,4-	µg/kg	<420 U	<410 U	<390 U				
Butyl Benzyl Phthalate	µg/kg	<420 U	<410 U	<390 U				
Chloro-m-cresol,p-	µg/kg	<420 U	<410 U	<390 U				
Chloroaniline,4-	µg/kg	<420 U	<410 U	<390 U				
Chloronaphthalene,2-	µg/kg	<420 U	<410 U	<390 U				
Chlorophenol,2-	µg/kg	<420 U	<410 U	<390 U				
Chlorophenyl Phenyl Ether,4-	µg/kg	<420 U	<410 U	<390 U				
Chrysene	µg/kg	130 J	240 J	490				

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-14	RH-RSK-SS-15	RH-RSK-SS-16				
	Sample ID	1656406	1656407	1656408				
	Sample Date	03/19/1998	03/19/1998	03/19/1998				
	Sample Time	12:20	12:25	12:30				
	Laboratory	LANC	LANC	LANC				
	Lab. Number	2896604	2896605	2896606				
Constituent	Units							
Cresol,2-	µg/kg	<420 U	<410 U	<390 U				
Cresol,4-	µg/kg	<420 U	<410 U	<390 U				
Di-n-butyl Phthalate	µg/kg	<420 U	<410 U	<390 U				
Di-n-octyl Phthalate	µg/kg	<420 U	<410 U	<390 U J				
Dibenzo[a,h]anthracene	µg/kg	<420 U	<410 U	<390 U J				
Dibenzofuran	µg/kg	<420 U	<410 U	<390 U				
Dichloro-2-butylene,1,4-trans-	µg/kg	<63 U	<62 U	<59 U				
Dichlorobenzidine,3,3'-	µg/kg	<850 U	<830 U	<780 U				
Dichlorophenol,2,4-	µg/kg	<420 U	<410 U	<390 U				
Dichlorophenol,2,6-	µg/kg	<420 U	<410 U	<390 U				
Diethyl Phthalate	µg/kg	<420 U	<410 U	<390 U				
Dimethyl Phthalate	µg/kg	<420 U	<410 U	<390 U				
Dimethylaminoazobenzene,4-	µg/kg	<420 U	<410 U	<390 U				
Dimethylbenzidine,3,3'-	µg/kg	<850 U	<830 U	<780 U				
Dimethylbenzo[a]anthracene,7,12-	µg/kg	<420 U	<410 U	<390 U J				
Dimethylphenol,2,4-	µg/kg	<420 U	<410 U	<390 U				
Dinitro-o-cresol,4,6-	µg/kg	<1100 U	<1000 U	<980 U				
Dinitrobenzene,1,3-	µg/kg	<420 U	<410 U	<390 U				
Dinitrophenol,2,4-	µg/kg	<1100 U	<1000 U	<980 U				
Dinitrotoluene,2,4-	µg/kg	<420 U	<410 U	<390 U				
Dinitrotoluene,2,6-	µg/kg	<420 U	<410 U	<390 U				
Ethylmethanesulfonate	µg/kg	<850 U	<830 U	<780 U				
Fluoranthene	µg/kg	200 J	390 J	580				
Fluorene	µg/kg	<420 U	<410 U	340 J				
Hexachlorobutadiene	µg/kg	<420 U	<410 U	<390 U				
Hexachloroethane	µg/kg	<420 U	<410 U	<390 U				
Hexachloropropylene	µg/kg	<420 U	<410 U	<390 U				
Indeno(1,2,3-cd)pyrene	µg/kg	89 J	120 J	210 J J				
Isophorone	µg/kg	<420 U	<410 U	<390 U				

Notes: 1. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-14	RH-RSK-SS-15	RH-RSK-SS-16				
	Sample ID	1656406	1656407	1656408				
	Sample Date	03/19/1998	03/19/1998	03/19/1998				
	Sample Time	12:20	12:25	12:30				
	Laboratory	LANC	LANC	LANC				
	Lab. Number	2896604	2896605	2896606				
Constituent	Units							
Isosafrole	µg/kg	<420 U	<410 U	<390 U				
Methapyrilene	µg/kg	<850 U J	<830 U J	<780 U J				
Methyl Methanesulfonate	µg/kg	<420 U	<410 U	<390 U				
Methylcholanthrene,3-	µg/kg	<420 U	<410 U	<390 U J				
Methylnaphthalene,2-	µg/kg	<420 U	<410 U	<390 U				
Naphthalene	µg/kg	<420 U	<410 U	<390 U				
Naphthoquinone,1,4-	µg/kg	<420 U J	<410 U	<390 U				
Naphthylamine,alpha-	µg/kg	<420 U	<410 U	<390 U				
Naphthylamine,beta-	µg/kg	<420 U	<410 U	<390 U				
Nitro-o-toluidine,5-	µg/kg	<420 U	<410 U	<390 U				
Nitroaniline,2-	µg/kg	<420 U	<410 U	<390 U				
Nitroaniline,3-	µg/kg	<420 U	<410 U	<390 U				
Nitroaniline,4-	µg/kg	<420 U	<410 U	<390 U				
Nitrobenzene	µg/kg	<420 U	<410 U	<390 U				
Nitrophenol,2-	µg/kg	<420 U	<410 U	<390 U				
Nitrophenol,4-	µg/kg	<1100 U	<1000 U	<980 U				
Nitroquinoline-1-oxide,4-	µg/kg	<4200 U R	<4100 U R	<3900 U R				
Nitroso-di-n-butylamine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitroso-n-propylamine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitrosodiethylamine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitrosodimethylamine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitrosodiphenylamine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitrosomethylethylamine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitrosomorpholine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitrosopiperidine,n-	µg/kg	<420 U	<410 U	<390 U				
Nitrosopyrrolidine,n-	µg/kg	<420 U	<410 U	<390 U				
Pentachlorophenol	µg/kg	<1100 U	<1000 U	<980 U				
Phenacetin	µg/kg	<420 U	<410 U	<390 U				
Phenanthrene	µg/kg	98 J	220 J	260 J				

Notes: 1. Printed on 10/06/1999

Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-14	RH-RSK-SS-15	RH-RSK-SS-16				
	Sample ID	1656406	1656407	1656408				
	Sample Date	03/19/1998	03/19/1998	03/19/1998				
	Sample Time	12:20	12:25	12:30				
	Laboratory	LANC	LANC	LANC				
	Lab. Number	2896604	2896605	2896606				
Constituent	Units							
Phenol	µg/kg	<420 U	<410 U	<390 U				
Phenylenediamine,1,4-	µg/kg	<8500 U J	<8300 U	<7800 U				
Picoline,2-	µg/kg	<420 U	<410 U	<390 U				
Pronamide	µg/kg	<420 U	<410 U	<390 U				
Pyrene	µg/kg	200 J	400 J	810				
Pyridine	µg/kg	<420 U	<410 U	<390 U				
Safrole	µg/kg	<420 U	<410 U	<390 U				
Tetrachlorobenzene,1,2,4,5-	µg/kg	<420 U	<410 U	<390 U				
Tetrachlorophenol,2,3,4,6-	µg/kg	<420 U	<410 U	<390 U				
Toluidine,o-	µg/kg	<420 U	<410 U	<390 U				
Trichlorophenol,2,4,5-	µg/kg	<420 U	<410 U	<390 U				
Trichlorophenol,2,4,6-	µg/kg	<420 U	<410 U	<390 U				
Triethyl Phosphorothioate,o,o,o-	µg/kg	<420 U	<410 U	<390 U				
Trinitrobenzene,1,3,5-	µg/kg	<850 U R	<830 U R	<780 U R				
Acetone	µg/kg	<25 U	<25 U	<24 U				
Acetonitrile	µg/kg	<130 U R	<120 U R	<120 U R				
Acrolein	µg/kg	<130 U	<120 U	<120 U				
Acrylonitrile	µg/kg	<63 U	<62 U	<59 U				
Allyl Chloride	µg/kg	<6 U	<6 U	<6 U				
Benzene	µg/kg	<6 U	<6 U	<6 U				
Bromoform	µg/kg	<6 U	<6 U	<6 U				
Carbon Disulfide	µg/kg	<6 U	<6 U	<6 U				
Carbon Tetrachloride	µg/kg	<6 U	<6 U	<6 U				
Chlorobenzene	µg/kg	<6 U	<6 U	<6 U				
Chlorodibromomethane	µg/kg	<6 U	<6 U	<6 U				
Chloroethane	µg/kg	<6 U J	<6 U J	<6 U J				
Chloroform	µg/kg	<6 U	<6 U	<6 U				
Chloroprene,beta-	µg/kg	<6 U	<6 U	<6 U				
Dibromomethane	µg/kg	<6 U	<6 U	<6 U				

Notes: 1. Printed on 10/06/1999



Table 3
SUMMARY OF ANALYTICAL RESULTS - SOIL SAMPLING
Pratt & Whitney, Rocky Hill, Connecticut

	Location ID	RH-RSK-SS-14	RH-RSK-SS-15	RH-RSK-SS-16				
	Sample ID	1656406	1656407	1656408				
	Sample Date	03/19/1998	03/19/1998	03/19/1998				
	Sample Time	12:20	12:25	12:30				
	Laboratory	LANC	LANC	LANC				
	Lab. Number	2896604	2896605	2896606				
Constituent	Units							
Dichlorobenzene, 1,2-	µg/kg	<420 U	<410 U	<390 U				
Dichlorobenzene, 1,3-	µg/kg	<420 U	<410 U	<390 U				
Dichlorobenzene, 1,4-	µg/kg	<420 U	<410 U	<390 U				
Dichlorobromomethane	µg/kg	<6 U	<6 U	<6 U				
Dichlorodifluoromethane	µg/kg	<6 U	<6 U	<6 U				
Dichloroethane, 1,1-	µg/kg	<6 U	<6 U	<6 U				
Dichloroethane, 1,2-	µg/kg	<6 U	<6 U	<6 U				
Dichloroethylene, 1,1-	µg/kg	<6 U	<6 U	<6 U				
Dichloroethylene, 1,2-cis-	µg/kg	<6 U	<6 U	<6 U				
Dichloroethylene, 1,2-trans-	µg/kg	<6 U	<6 U	<6 U				
Dichloropropane, 1,2-	µg/kg	<6 U	<6 U	<6 U				
Dichloropropane, 1,3-	µg/kg	<6 U	<6 U	<6 U				
Dichloropropylene, 1,3-cis-	µg/kg	<6 U	<6 U	<6 U				
Dichloropropylene, 1,3-trans-	µg/kg	<6 U	<6 U	<6 U				
Dioxane, 1,4-	µg/kg	<320 U R	<310 U R	<290 U R				
Ethylbenzene	µg/kg	<6 U	<6 U	<6 U				
Ethylene Dibromide	µg/kg	<6 U	<6 U	<6 U				
Ethylmethacrylate	µg/kg	<6 U	<6 U	<6 U				
Hexanone, 2-	µg/kg	<13 U	<12 U	<12 U				
Iodomethane	µg/kg	<6 U	<6 U	<6 U				
Isobutyl Alcohol	µg/kg	<320 U R	<310 U R	<290 U R				
Methacrylonitrile	µg/kg	<63 U	<62 U	<59 U				
Methyl Bromide	µg/kg	<6 U J	<6 U J	<6 U J				
Methyl Chloride	µg/kg	<6 U	<6 U	<6 U				
Methyl Ethyl Ketone	µg/kg	<13 U	<12 U	<12 U				
Methyl Methacrylate	µg/kg	<6 U	<6 U	<6 U				
Methyl-2-pentanone, 4-	µg/kg	<13 U	<12 U	<12 U				
Methyl-tert-butyl Ether	µg/kg	<6 U	<6 U	<6 U				
Methylene Chloride	µg/kg	<6 U	<6 U	<6 U				

Notes: 1. Printed on 10/06/1999



Table 4b
EXCEEDANCES OF P&W VCAP RISK-BASED SOIL SCREENING LEVELS FOR OF P & W VCAP RISK BASED LIMITS FOR TRESPAS
Pratt & Whitney, Rocky Hill, Connecticut

- Notes: 1. Only Exceedances Shown
2. Printed on 10/06/1999



Table 4c

EXCEEDANCES OF P&W VCAP RISK-BASED SOIL SCREENING LEVELS FOR OF P & W VCAP RISK BASED LIMITS FOR SAMPL
Pratt & Whitney, Rocky Hill, Connecticut

- Notes: 1. Only Exceedances Shown
2. Printed on 10/06/1999



List of Qualifiers

Organic Qualifiers

- A** TIC is a possible aldol-condensation product
- B** Analyte was also detected in the blank
- C** Pesticide result confirmed by GC/MS
- D** Compound quantitated on a diluted sample
- E** Concentration exceeds the calibration range of the instrument
- J** Estimated value
- N** Presumptive evidence of a compound (TICs only)
- P** Concentration difference between primary and confirmation columns >25%
- U** Compound was not detected
- X.Y.Z** Defined in case narrative

Inorganic Qualifiers

- B** Value is <CRDL, but ≥IDL
- E** Estimated due to interference
- M** duplicate injection precision not met
- N** Spike sample not within control limits
- S** Method of standard additions (MSA) used for calculation
- U** Compound was not detected
- W** Post digestion spike out of control limits
- *** Duplicate analysis not within control limits
- +** Correlation coefficient for MSA <0.995

Upper 95% Confidence Limit Calculations
Benzo[a]pyrene Concentrations in Surficial Soils
Environmental Indicators Determination, Human Exposures Under Control
Pratt & Whitney, Rocky Hill, Connecticut

Location ID	Concentration	Units	ln(Concentration)
RH-RSK-SS-01	2500	µg/kg	7.824
RH-RSK-SS-02	590	µg/kg	6.380
RH-RSK-SS-03	62	µg/kg	4.127
RH-RSK-SS-04	93	µg/kg	4.533
RH-RSK-SS-05	90	µg/kg	4.500
RH-RSK-SS-05	93	µg/kg	4.533
RH-RSK-SS-12	140	µg/kg	4.942
RH-RSK-SS-13	170	µg/kg	5.136
RH-RSK-SS-14	130	µg/kg	4.868
RH-RSK-SS-15	230	µg/kg	5.438
RH-RSK-SS-16	450	µg/kg	6.109
	Transformed Mean		5.308
	Transformed St Dev		1.084
	Transformed Variance		1.175
	Count		11
	Corrected Mean	µg/kg	363
	Corrected St Dev	µg/kg	813

Upper 95% Confidence Limit 0.808 mg/kg

Notes:

The corrected mean and standard deviation were calculated based on a method presented in *Statistical Methods for Environmental Pollution Monitoring*, by R. O. Gilbert, 1987, Van nostrand Reinhold.

ECM Area				All other areas				Difference Between Maxima		
Acetone Maximum: 17	Detects	9.00		Acetone Maximum: 81	Detects	6.00		64		
	Non-Detects	9.00			Non-Detects	56.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	13.89	2.62		Normal	26.88	27.63			
	Log Transformed	13.65	1.23		Log Transformed	19.43	2.25			
Arsenic Maximum: 2.6	Detects	13.00		Anthracene Maximum: 1500	Detects	1.00			0.6	
	Non-Detects	3.00			Non-Detects	23.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	1.32	0.73		Normal	1,500.00				
	Log Transformed	1.12	1.87		Log Transformed	1,500.00				
Barium Maximum: 92.1	Detects	16.00		Arsenic Maximum: 3.2	Detects	45.00				93.9
	Non-Detects	0.00			Non-Detects	19.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	49.14	21.67		Normal	1.61	0.68			
	Log Transformed	44.07	1.68		Log Transformed	1.47	1.58			
Benzo[a]anthracene Maximum: 44	Detects	1.00		Barium Maximum: 186	Detects	60.00		3056		
	Non-Detects	12.00			Non-Detects	4.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	44.00			Normal	51.46	39.71			
	Log Transformed	44.00			Log Transformed	41.54	1.86			
Benzo[b]fluoranthene Maximum: 390	Detects	1.00		Benzene Maximum: 40	Detects	5.00			2710	
	Non-Detects	12.00			Non-Detects	396.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	390.00			Normal	11.00	16.51			
	Log Transformed	390.00			Log Transformed	4.64	4.23			
Benzo[k]fluoranthene Maximum: 130	Detects	1.00		Benzo[a]anthracene Maximum: 3100	Detects	3.00				1170
	Non-Detects	12.00			Non-Detects	21.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	130.00			Normal	1,383.33	1,491.92			
	Log Transformed	130.00			Log Transformed	930.63	2.92			
Benzo[ghi]perylene Maximum: 2000	Detects	1.00		Benzo[a]pyrene Maximum: 3000	Detects	2.00		2710		
	Non-Detects	12.00			Non-Detects	22.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	390.00			Normal	1,770.00	1,739.48			
	Log Transformed	390.00			Log Transformed	1,272.79	3.36			
Benzo[k]fluoranthene Maximum: 1300	Detects	1.00		Benzo[b]fluoranthene Maximum: 3100	Detects	3.00			1170	
	Non-Detects	12.00			Non-Detects	21.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	130.00			Normal	1,403.33	1,478.59			
	Log Transformed	130.00			Log Transformed	954.82	2.90			
Benzo[k]fluoranthene Maximum: 1300	Detects	1.00		Benzo[ghi]perylene Maximum: 2000	Detects	2.00				1170
	Non-Detects	12.00			Non-Detects	22.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	130.00			Normal	1,195.00	1,138.44			
	Log Transformed	130.00			Log Transformed	883.18	3.18			
Benzo[k]fluoranthene Maximum: 1300	Detects	1.00		Benzo[k]fluoranthene Maximum: 1300	Detects	1.00		1170		
	Non-Detects	12.00			Non-Detects	23.00				
	Average		St. Dev.		Average		St. Dev.			
	Normal	130.00			Normal	1,300.00				
	Log Transformed	130.00			Log Transformed	1,300.00				

Bis(2-ethylhexyl)phthalate	Detects	2.00		
	Non-Detects	11.00		
Maximum: 220		Average	St. Dev.	
	Normal	160.00	84.85	
	Log Transformed	148.32	1.75	
Butyl Benzyl Phthalate	Detects	1.00		
	Non-Detects	12.00		
Maximum: 120		Average	St. Dev.	
	Normal	120.00		
	Log Transformed	120.00		
Cadmium	Detects	5.00		
	Non-Detects	11.00		
Maximum: 0.055		Average	St. Dev.	
	Normal	0.04	0.01	
	Log Transformed	0.04	1.25	
Carbon Disulfide	Detects	2.00		
	Non-Detects	95.00		
Maximum: 5800		Average	St. Dev.	
	Normal	2,932.00	4,055.96	
	Log Transformed	609.26	24.21	
Chromium	Detects	16.00		
	Non-Detects	0.00		
Maximum: 30		Average	St. Dev.	
	Normal	14.21	8.03	
	Log Transformed	11.88	1.95	
Chrysene	Detects	1.00		
	Non-Detects	12.00		
Maximum: 40		Average	St. Dev.	
	Normal	40.00		
	Log Transformed	40.00		
Copper	Detects	1.00		
	Non-Detects	0.00		
Maximum: 11.1		Average	St. Dev.	
	Normal	11.10		
	Log Transformed	11.10		
Di-n-octyl Phthalate	Detects	1.00		
	Non-Detects	12.00		
Maximum: 180		Average	St. Dev.	
	Normal	180.00		
	Log Transformed	180.00		

Cadmium	Detects	4.00		
	Non-Detects	60.00		
Maximum: 0.43		Average	St. Dev.	
	Normal	0.22	0.15	
	Log Transformed	0.19	1.85	
Carbon Disulfide	Detects	6.00		
	Non-Detects	192.00		
Maximum: 55		Average	St. Dev.	
	Normal	31.50	15.02	
	Log Transformed	28.16	1.73	
Chlorobenzene	Detects	1.00		
	Non-Detects	63.00		
Maximum: 450		Average	St. Dev.	
	Normal	450.00		
	Log Transformed	450.00		
Chromium	Detects	64.00		
	Non-Detects	0.00		
Maximum: 50.1		Average	St. Dev.	
	Normal	12.43	9.03	
	Log Transformed	10.17	1.86	
Chrysene	Detects	2.00		
	Non-Detects	22.00		
Maximum: 2600		Average	St. Dev.	
	Normal	1,565.00	1,463.71	
	Log Transformed	1,173.88	3.08	
Dioxane,1,4-	Detects	2.00		
	Non-Detects	60.00		
Maximum: 1500		Average	St. Dev.	
	Normal	1,095.00	572.76	
	Log Transformed	1,017.35	1.73	
Ethylbenzene	Detects	1.00		
	Non-Detects	400.00		
Maximum: 5		Average	St. Dev.	
	Normal	5.00		
	Log Transformed	5.00		

0.375

5745

20.1

2560

Pratt & Whitney, Rocky Hill Soil Comparisons

Fluoranthene	Detects	1.00		
	Non-Detects	12.00		
Maximum: 120		Average	St. Dev.	
	Normal	120.00		
	Log Transformed	120.00		
Lead	Detects	16.00		
	Non-Detects	0.00		
Maximum: 58.2		Average	St. Dev.	
	Normal	8.21	15.55	
	Log Transformed	0.66	35.07	
Mercury	Detects	6.00		
	Non-Detects	10.00		
Maximum: 0.53		Average	St. Dev.	
	Normal	0.14	0.19	
	Log Transformed	0.07	3.13	
Methylene Chloride	Detects	1.00		
	Non-Detects	17.00		
Maximum: 2.4		Average	St. Dev.	
	Normal	2.40		
	Log Transformed	2.40		
Nickel	Detects	16.00		
	Non-Detects	0.00		
Maximum: 13.1		Average	St. Dev.	
	Normal	8.06	3.70	
	Log Transformed	6.73	2.11	
Phenanthrene	Detects	1.00		
	Non-Detects	12.00		
Maximum: 90		Average	St. Dev.	
	Normal	90.00		
	Log Transformed	90.00		
Tetrachloroethylene	Detects	1.00		
	Non-Detects	113.00		
Maximum: 20		Average	St. Dev.	
	Normal	20.00		
	Log Transformed	20.00		

Fluoranthene	Detects	3.00		
	Non-Detects	21.00		
Maximum: 8100		Average	St. Dev.	
	Normal	3,273.33	4,182.36	
	Log Transformed	1,800.00	3.72	
Fluorene	Detects	1.00		
	Non-Detects	23.00		
Maximum: 2800		Average	St. Dev.	
	Normal	2,800.00		
	Log Transformed	2,800.00		
Indeno(1,2,3-cd)pyrene	Detects	2.00		
	Non-Detects	22.00		
Maximum: 2000		Average	St. Dev.	
	Normal	1,195.00	138.44	
	Log Transformed	883.18	3.18	
Lead	Detects	64.00		
	Non-Detects	0.00		
Maximum: 310		Average	St. Dev.	
	Normal	13.71	40.06	
	Log Transformed	4.59	6.73	
Mercury	Detects	3.00		
	Non-Detects	61.00		
Maximum: 2		Average	St. Dev.	
	Normal	1.00	0.92	
	Log Transformed	0.68	3.28	
Methylene Chloride	Detects	4.00		
	Non-Detects	58.00		
Maximum: 3.5		Average	St. Dev.	
	Normal	2.85	0.47	
	Log Transformed	2.82	1.17	
Nickel	Detects	56.00		
	Non-Detects	8.00		
Maximum: 43.4		Average	St. Dev.	
	Normal	12.73	8.45	
	Log Transformed	10.65	1.80	
Phenanthrene	Detects	3.00		
	Non-Detects	21.00		
Maximum: 5500		Average	St. Dev.	
	Normal	2,173.33	2,882.09	
	Log Transformed	1,117.45	4.01	
Pyrene	Detects	3.00		
	Non-Detects	21.00		
Maximum: 4700		Average	St. Dev.	
	Normal	2,150.00	2,219.80	
	Log Transformed	1,497.85	2.79	
Selenium	Detects	3.00		
	Non-Detects	61.00		
Maximum: 1.2		Average	St. Dev.	
	Normal	0.57	0.55	
	Log Transformed	0.42	2.50	
Tetrachloroethylene	Detects	17.00		
	Non-Detects	384.00		
Maximum: 43		Average	St. Dev.	
	Normal	10.91	10.31	
	Log Transformed	7.15	2.86	

7980

251.8

1.47

1.1

30.3

5410

23

Pratt & Whitney, Rocky Hill Soil Comparisons

Titanium Maximum: 372	Detects	6.00		
	Non-Detects	0.00		
	Average		St. Dev.	
	Normal	248.00		76.12
Toluene Maximum: 2	Log Transformed	238.82		1.35
	Detects	3.00		
	Non-Detects	111.00		
	Average		St. Dev.	
Trichloroethylene Maximum: 1	Normal	1.32		0.60
	Log Transformed	1.23		1.55
	Detects	1.00		
	Non-Detects	113.00		
Zinc Maximum: 410	Average		St. Dev.	
	Normal	88.51		106.88
	Log Transformed	54.78		2.54
	Detects	16.00		
	Non-Detects	0.00		

Titanium Maximum: 834	Detects	63.00		
	Non-Detects	0.00		
	Average		St. Dev.	
	Normal	311.55		183.02
Toluene Maximum: 67	Log Transformed	265.49		1.77
	Detects	11.00		
	Non-Detects	390.00		
	Average		St. Dev.	
Total Petroleum Hydrocarbons Maximum: 6500	Normal	9.37		19.21
	Log Transformed	3.87		3.31
	Detects	9.00		
	Non-Detects	40.00		
Trichloroethylene Maximum: 6	Average		St. Dev.	
	Normal	1,460.78		2,235.96
	Log Transformed	408.64		6.57
	Detects	1.00		
Xylenes,m- & p- Maximum: 10	Non-Detects	399.00		
	Average		St. Dev.	
	Normal	6.00		6.00
	Log Transformed	6.00		6.00
Zinc Maximum: 1050	Detects	2.00		
	Non-Detects	337.00		
	Average		St. Dev.	
	Normal	7.00		4.24
Zinc Maximum: 1050	Log Transformed	6.32		1.91
	Detects	52.00		
	Non-Detects	14.00		
	Average		St. Dev.	
Zinc Maximum: 1050	Normal	100.70		207.64
	Log Transformed	45.15		2.80
	Detects	52.00		
	Non-Detects	14.00		

462

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640