

**TABLE 1**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-1						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-1 S1 0 - 2" 3/05/02 1	P-1 S2 2" - 2' 3/05/02 1	P-1 S3 2' - 4' 3/05/02 1	P-1 S4 4' - 6' 3/05/02 1	P-1 S5 6' - 8' 3/05/02 1	INSTRUMENT DETECTION LIMIT (ug/L)	
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	7.6	3.7	3.6	33.0	1.4	3.0	3 - 12*
Barium	32.9	22.3	22.2	152	12.6	3.0	15 - 600
Cadmium	1.1	4.7	2.3	46.0	1.2	2.0	0.1 - 1, (10****)
Chromium	46.3	58.3	102	11800	69.5	3.0	1.5 - 40*, (50****)
Lead	51.9	19.0	134	139	0.55	1.0	200 - 500**
Mercury	0.20	0.087	0.21	0.34	U	0.1	0.001 - 0.2
Selenium	0.74	0.75	0.48	5.0	B	8.0	0.1 - 3.9
Silver	4.6	5.7	4.3	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	0.200	0.170	U	U	U	-	0.033
Aroclor-1254	U	0.075	0.870	U	U	-	0.033
Aroclor-1260	U	U	U	0.220	U	-	0.033
<b>TOTAL PCBs</b>	0.200	0.245	0.870	0.220	0		1/10 ****

**Qualifiers:**  
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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-2						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-2 S1 (mg/kg)	P-2 S2 (mg/kg)	P-2 S3 (mg/kg)	P-2 S4 (mg/kg)	P-2 S5 (mg/kg)	INSTRUMENT DETECTION LIMIT (ug/L)	
SAMPLE IDENTIFICATION	P-2 S1	P-2 S2	P-2 S3	P-2 S4	P-2 S5		
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1	1	1	1	1		
PERCENT SOLIDS	82	92	91	94	94		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	10.6	7.0	4.2	3.0	2.7	3.0	3 - 12*
Barium	30.9	23.2	33.1	17.2	16.8	3.0	15 - 600
Cadmium	2.2	3.2	4.9	3.6	0.79	2.0	0.1 - 1, (10****)
Chromium	<b>86.0</b>	<b>147</b>	<b>262</b>	<b>162</b>	13.9	3.0	1.5 - 40*, (50****)
Lead	49.0	28.3	48.5	20.8	2.5	1.0	200 - 500**
Mercury	<b>0.21</b>	0.18	0.066	0.036		0.1	0.001 - 0.2
Selenium	0.59 B					8.0	0.1 - 3.9
Silver	5.6	5.7	12.1	5.0		2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	0.620	0.340	U	U	U	-	0.033
Aroclor-1254	0.390	U	U	U	U	-	0.033
Aroclor-1260	U	U	0.220 P	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>1.010</b>	0.340	0.220	0	0		1/10 ****

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-3					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-3 S1 0 - 2" 3/05/02 1	P-3 S2 2" - 2' 3/05/02 1	P-3 S3 2' - 4' 3/05/02 1	P-3 S4 4' - 6' 3/05/02 1	P-3 S5 6' - 8' 3/05/02 1			
PERCENT SOLIDS	88	93	93	98	97			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>								
Arsenic	6.2	4.8	10.6	2.3	1.8	3.0	-	3 - 12*
Barium	20.9	27.0	25.0	11.0	2.5	3.0	-	15 - 600
Cadmium	1.1	5.4	1.4	0.60	0.13	2.0	-	0.1 - 1, (10****)
Chromium	44.5	<b>476</b>	10.4	14.7	2.2	3.0	-	1.5 - 40*, (50****)
Lead	28.6	54.8	39.1	3.7	0.71	1.0	-	200 - 500**
Mercury	0.13	<b>0.25</b>	<b>0.24</b>			0.1	-	0.001 - 0.2
Selenium		U	0.55	U	U	8.0	-	0.1 - 3.9
Silver	2.3	21.4	U	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016		U	U	U	U	-	0.033	---
Aroclor-1221		U	U	U	U	-	0.067	---
Aroclor-1232		U	U	U	U	-	0.033	---
Aroclor-1242		U	U	U	U	-	0.033	---
Aroclor-1248		0.240	U	U	U	-	0.033	---
Aroclor-1254	0.260	U	U	U	U	-	0.033	---
Aroclor-1260	U	0.400	U	0.350	U	-	0.033	---
<b>TOTAL PCBs</b>	0.260	0.640	0	0.350	0			1/10 ****

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-4					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-4 S1	P-4 S2	P-4 S3	P-4 S4	P-4 S5			
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'			
SAMPLE DEPTH								
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02			
DILUTION FACTOR	1	1	1	1	1			
PERCENT SOLIDS	83	94	88	87	97			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>								
Arsenic	4.5	3.5	2.9	3.4	0.87	3.0	-	3 - 12*
Barium	18.0	19.1	15.7	47.9	6.6	3.0	-	15 - 600
Cadmium	1.4	2.6	0.37	0.35	0.096	2.0	-	0.1 - 1, (10****)
Chromium	<b>126</b>	<b>101</b>	8.1	14.8	2.6	3.0	-	1.5 - 40*, (50****)
Lead	48.0	17.6	4.4	6.0	1.1	1.0	-	200 - 500**
Mercury	0.097	0.067	U	U	U	0.1	-	0.001 - 0.2
Selenium	2.3	2.3	U	U	U	8.0	-	0.1 - 3.9
Silver			U	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	0.290	1.300	U	U	U	-	0.033	---
Aroclor-1254	0.310	0.310	U	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	<b>0.600</b>	<b>1.610</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>1/10 ****</b>

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-5						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-5 S1 (mg/kg)	P-5 S2 (mg/kg)	P-5 S3 (mg/kg)	P-5 S4 (mg/kg)	P-5 S5 (mg/kg)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1	1	1	1	1		
PERCENT SOLIDS	77	88	76	37	86		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	10.3	2.9	6.3	472	5.6	3.0	3 - 12*
Barium	43.2	20.2	63.5	5470	33.4	3.0	15 - 600
Cadmium	1.2	0.72	0.49	56.3	0.63	2.0	0.1 - 1, (10****)
Chromium	37.2	14.3	971	12400	136	3.0	1.5 - 40*, (50****)
Lead	41.1	7.5	37.5	1410	4.9	1.0	200 - 500**
Mercury	0.17	0.078	0.040	18.5	0.025	0.1	0.001 - 0.2
Selenium	0.64	U	U	U	U	8.0	0.1 - 3.9
Silver	1.2	0.33	0.21	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	0.300	0.120	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
TOTAL PCBs	0.300	0.120	0	2.600	0.099		1/10 ****

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-6						EASTERN USA BACKGROUND LEVELS
	P-6 S1 0 - 2" 3/05/02 1 80 (mg/kg)	P-6 S2 2' - 2' 3/05/02 1 92 (mg/kg)	P-6 S3 2' - 4' 3/05/02 1 93 (mg/kg)	P-6 S4 4' - 6' 3/05/02 1 96 (mg/kg)	P-6 S5 6' - 8' 3/05/02 1 93 (mg/kg)	INSTRUMENT DETECTION LIMIT (ug/L)	
<b>RCRA Metals</b>							
Arsenic	8.3	4.2	3.0	3.0	5.0	3.0	3 - 12*
Barium	30.4	15.2	13.2	10.4	59.5	3.0	15 - 600
Cadmium	1.3	0.41	0.38	0.32	0.46	2.0	0.1 - 1, (10***)
Chromium	35.5	11.6	10.8	5.9	15.4	3.0	1.5 - 40*, (50****)
Lead	40.6	9.6	8.9	2.7	7.9	1.0	200 - 500**
Mercury	0.16	0.047	0.020	U	U	0.1	0.001 - 0.2
Selenium	0.77	0.56	U	U	U	8.0	0.1 - 3.9
Silver	2.1	0.29	0.16	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	0.380	0.180	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.380	0.180	0	0	0		1/10 ****

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TABLE 1 (continued)  
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 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-7						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-7 S1	P-7 S2	P-7 S3	P-7 S4	P-7 S5	INSTRUMENT DETECTION LIMIT (ug/L)	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DATE OF COLLECTION	1	1	1	1	1		
DILUTION FACTOR	88	87	93	94	83		
PERCENT SOLIDS							
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
<b>RCRA Metals</b>							
Arsenic	8.7	6.2	3.4	2.9	4.8	3.0	3 - 12*
Barium	26.7	40.4	23.8	30.1	33.3	3.0	15 - 600
Cadmium	1.5	2.3	0.58	0.39	0.77	2.0	0.1 - 1, (10****)
Chromium	49.6	151	9.1	10.2	12.5	3.0	1.5 - 40*, (50****)
Lead	37.6	594	4.8	4.5	7.5	1.0	200 - 500**
Mercury	0.15	0.19	0.015	U	0.022	0.1	0.001 - 0.2
Selenium	0.44	B	U	U	U	8.0	0.1 - 3.9
Silver	2.7	14.9	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	0.270	0.290	U	U	U	-	0.033
Aroclor-1254	0.340	0.220	P	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.610	0.510	0	0	0		1/10 ****

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 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-8					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-8 S1 (mg/kg)	P-8 S2 (mg/kg)	P-8 S3 (mg/kg)	P-8 S4 (mg/kg)	P-8 S5 (mg/kg)			
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'			
SAMPLE DEPTH								
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02			
DILUTION FACTOR	1	1	1	1	1			
PERCENT SOLIDS	83	84	84	94	100			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>								
Arsenic	6.2	10.3	7.2	0.98 B	0.94	3.0	-	3 - 12*
Barium	22.6	45.1	26.9	4.2 B	3.3 B	3.0	-	15 - 600
Cadmium	0.67	1.2	1.0	U	0.12 B	2.0	-	0.1 - 1, (10****)
Chromium	18.0	38.8	16.5	1.9	1.7	3.0	-	1.5 - 40*, (50****)
Lead	32.6	72.0	8.6	0.96	0.84	1.0	-	200 - 500**
Mercury	0.19	<b>0.36</b>	0.032 B	U	U	0.1	-	0.001 - 0.2
Selenium	U	U	U	U	U	8.0	-	0.1 - 3.9
Silver	1.5 B	0.93 B	U	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	0.150	0.150	U	U	U	-	0.033	---
Aroclor-1254	0.210 P	U	U	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.360	0.150	0	0	0			1/10 ****

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**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-9						EASTERN USA BACKGROUND LEVELS
	P-9 S1	P-9 S2	P-9 S3	P-9 S4	P-9 S5		
SAMPLE IDENTIFICATION	P-9 S1	P-9 S2	P-9 S3	P-9 S4	P-9 S5		
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1	1 / 5	1 / 100	1 / 5	1		
PERCENT SOLIDS	85	89	89	94	93		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	6.0	7.0	5.6	4.0	2.0	3.0	3 - 12*
Barium	27.9	19.9	26.7	17.7	10.4	3.0	15 - 600
Cadmium	0.98	1.4	2.3	0.88	1.7	2.0	0.1 - 1, (10***)
Chromium	21.2	14.7	18.3	21.1	12.1	3.0	1.5 - 40*, (50****)
Lead	26.7	26.1	24.4	14.1	17.4	1.0	200 - 500**
Mercury	0.12	0.095	0.12	0.14	0.024	0.1	0.001 - 0.2
Selenium	U	0.49	1.3	1.9	0.34	8.0	0.1 - 3.9
Silver	2.8	U	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	0.350	3.700	55.000	3.100	0.067	-	0.033
Aroclor-1254	U	U	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>0.350</b>	<b>3.700</b>	<b>55.000</b>	<b>3.100</b>	<b>0.067</b>		<b>1/10 ****</b>

**Qualifiers:**  
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B: Constituent concentration is less than the CRDL, but greater than the IDL.  
P: Concentration estimated, possibly biased low since primary and confirmation column concentrations had a percent difference >25%; lower value reported.

**Notes:**  
--- : Not established.  
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\*\* : Background for metropolitan or suburban areas.  
\*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
\*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-10						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-10 S1 (mg/kg)	P-10 S2 (mg/kg)	P-10 S3 (mg/kg)	P-10 S4 (mg/kg)	P-10 S5 (mg/kg)				
SAMPLE IDENTIFICATION	P-10 S1	P-10 S2	P-10 S3	P-10 S4	P-10 S5				
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'				
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02				
DILUTION FACTOR	1	1	1	1	1				
PERCENT SOLIDS	82	96	97	96	98				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
<b>RCRA Metals</b>									
Arsenic	9.3	0.94 B	2.6	0.39 B	0.81 B		-	3 - 12*	
Barium	24.2	3.5 B	12.7	2.7 B	3.3 B		-	15 - 600	
Cadmium	0.79	0.17 B	0.46	U	U		-	0.1 - 1, (10***)	
Chromium	21.8	9.7	14.6	1.1	2.0		-	1.5 - 40*, (50****)	
Lead	51.6	1.2	5.9	0.73	0.68		-	200 - 500**	
Mercury	0.15	U	0.040	0.041	U		-	0.001 - 0.2	
Selenium	U	U	U	U	U		-	0.1 - 3.9	
Silver	1.7	U	0.13	U	U		-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U		0.033	---	
Aroclor-1221	U	U	U	U	U		0.067	---	
Aroclor-1232	U	U	U	U	U		0.033	---	
Aroclor-1242	U	U	U	U	U		0.033	---	
Aroclor-1248	0.380 P	0.190	0.860 P	U	U		0.033	---	
Aroclor-1254	0.430 P	U	0.072 P	U	U		0.033	---	
Aroclor-1260	U	U	U	U	U		0.033	---	
<b>TOTAL PCBs</b>	0.810	0.190	0.932	0	0			1/10 ****	

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Notes:  
 --- : Not established.  
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 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-11					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-11 S1	P-11 S2	P-11 S3	P-11 S4	P-11 S5			
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'			
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02			
DILUTION FACTOR	1	1	1 / 10	1 / 10	1			
PERCENT SOLIDS	86	97	91	97	98			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>								
Arsenic	7.9	2.8	3.3	0.88 B	1.1	3.0	-	3 - 12*
Barium	19.5	6.3 B	14.4	4.8 B	4.4 B	3.0	-	15 - 600
Cadmium	0.50	0.61	0.41	0.14 B	0.16 B	2.0	-	0.1 - 1, (10****)
Chromium	16.9	37.0	9.8	3.9	2.2	3.0	-	1.5 - 40*, (50****)
Lead	29.5	2.4	4.2	1.3	1.0	1.0	-	200 - 500**
Mercury	0.16	U	0.023 B	U	U	0.1	-	0.001 - 0.2
Selenium	U	U	U	U	U	8.0	-	0.1 - 3.9
Silver	0.85 B	U	U	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	U	U	U	3.200	U	-	0.033	---
Aroclor-1254	0.210 P	U	3.500	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.210	0	3.500	3.200	0			1/10 ****

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 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-12						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-12 S1	P-12 S2	P-12 S3	P-12 S4	P-12 S5	INSTRUMENT DETECTION LIMIT (ug/L)	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DATE OF COLLECTION	1	1	1	1	1		
DILUTION FACTOR	81	95	97	96	95		
PERCENT SOLIDS							
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	10.6	1.3	0.94	2.6	1.0	3.0	3 - 12*
Barium	20.9	6.2 B	5.1 B	6.9 B	8.7 B	3.0	15 - 600
Cadmium	0.59	0.12 B	0.12 B	0.25 B	0.38	2.0	0.1 - 1, (10****)
Chromium	22.0	13.4	9.1	40.3	16.2	3.0	1.5 - 40*, (50****)
Lead	57.6	2.6	1.3	2.9	1.7	1.0	200 - 500**
Mercury	<b>0.23</b>	0.028 B	U	0.020 B	U	0.1	0.001 - 0.2
Selenium	1.3 B	0.50 B	0.53 B	0.55 B	0.45 B	8.0	0.1 - 3.9
Silver	0.78 B	U	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	0.500 P	U	0.036	0.160	0.130	-	0.033
Aroclor-1254	0.540	U	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>1.040</b>	0	0.036	0.160	0.130		1/10 ****

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-13						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-13 S1	P-13 S2	P-13 S3	P-13 S4	P-13 S5		
SAMPLE IDENTIFICATION	0 - 2"	2' - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DATE OF COLLECTION	1	1	1	1	1		
DILUTION FACTOR	84	93	96	94	98		
PERCENT SOLIDS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
UNITS							
<b>RCRA Metals</b>							
Arsenic	13.7	2.8	0.79 B	1.9	0.85 B	3.0	3 - 12*
Barium	24.5	9.8	5.2 B	13.8	4.7 B	3.0	15 - 600
Cadmium	0.59	0.19 B	0.23 B	0.96	2.2	2.0	0.1 - 1, (10****)
Chromium	19.1	18.2	26.2	30.2	0.93	3.0	1.5 - 40*, (50****)
Lead	39.2	5.7	1.3	2.7	0.93	1.0	200 - 500**
Mercury	0.25	0.44	U	0.018 B	0.50 B	0.1	0.001 - 0.2
Selenium	1.1 B	0.59 B	U	0.65 B	0.50 B	8.0	0.1 - 3.9
Silver	0.63 B	U	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	0.190	0.076	-	0.033
Aroclor-1254	0.330 P	0.038 P	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
TOTAL PCBs	0.330	0.038	0	0.190	0.076		1/10 ****

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-14						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-14 S1 (mg/kg)	P-14 S2 (mg/kg)	P-14 S3 (mg/kg)	P-14 S4 (mg/kg)	P-14 S5 (mg/kg)	INSTRUMENT DETECTION LIMIT (ug/L)	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DILUTION FACTOR	1	1	1	1	1		
PERCENT SOLIDS	83	93	98	96	99		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	7.6	7.2	0.93	3.0	2.3	3.0	3 - 12*
Barium	26.4	20.1	3.3 B	11.0	4.7 B	3.0	15 - 600
Cadmium	0.76	0.27 B	U	0.30	0.13 B	2.0	0.1 - 1, (10****)
Chromium	27.4	22.2	12.7	<b>76.4</b>	<b>90.9</b>	3.0	1.5 - 40*, (50****)
Lead	107	16.6	1.4	17.5	8.0	1.0	200 - 500**
Mercury	<b>0.25</b>	0.19	0.023 B	0.046	0.031 B	0.1	0.001 - 0.2
Selenium	0.79 B	U	U	U	U	8.0	0.1 - 3.9
Silver	0.23 B	U	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	1.800	0.170 P	U	0.420	0.230	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>1.800</b>	0.170	0	0.420	0.230		1/10 ****

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**TABLE 1 (continued)**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-15						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-15 S1	P-15 S2	P-15 S3	P-15 S4	P-15 S5	P-15 S5			
SAMPLE IDENTIFICATION									
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'				
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02				
DILUTION FACTOR	1	1	1	1	1				
PERCENT SOLIDS	84	95	95	91	97				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
<b>RCRA Metals</b>									
Arsenic	7.8	2.1	1.2	4.0	1.4	3.0	-	3 - 12*	
Barium	18.1	10.4	5.1 B	23.4	6.6 B	3.0	-	15 - 600	
Cadmium	0.49	0.12 B	0.12 B	0.28 B	0.11 B	2.0	-	0.1 - 1, (10***)	
Chromium	25.9	13.0	46.8	18.7	3.2	3.0	-	1.5 - 40*, (50****)	
Lead	51.2	3.8	2.5	7.8	1.3	1.0	-	200 - 500**	
Mercury	0.19	0.021 B	U	0.043 B	U	0.1	-	0.001 - 0.2	
Selenium	U	U	U	U	U	8.0	-	0.1 - 3.9	
Silver	2.5	U	U	U	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	U	U	U	U	U	-	0.033	---	
Aroclor-1254	1.500	U	U	U	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	<b>1.500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			<b>1/10 ****</b>	

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-16					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-16 S1	P-16 S2	P-16 S3	P-16 S4	P-16 S5			
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'			
SAMPLE DEPTH								
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02			
DILUTION FACTOR	1	1	1	1	1			
PERCENT SOLIDS	87	93	96	96	98			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>								
Arsenic	7.0	1.2	2.3	2.2	0.87	3.0	-	3 - 12*
Barium	19.2	6.3	19.3	7.7	3.0	3.0	-	15 - 600
Cadmium	0.50	0.20	0.20	B	U	2.0	-	0.1 - 1, (10****)
Chromium	31.9	16.9	9.8	5.2	2.1	3.0	-	1.5 - 40*, (50****)
Lead	43.4	2.3	3.8	3.1	1.3	1.0	-	200 - 500**
Mercury	0.14	U	0.020	U	U	0.1	-	0.001 - 0.2
Selenium	0.73	U	U	U	U	8.0	-	0.1 - 3.9
Silver	4.7	U	U	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	U	U	U	U	U	-	0.033	---
Aroclor-1254	0.550	U	U	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.550	0	0	0	0			1/10 ****

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 --- : Not established.  
 \* : New York State Background.  
 \*\* : Background for metropolitan or suburban areas.  
 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).



TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-17						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-17 S1 0 - 2" 3/06/02 1	P-17 S2 2" - 2' 3/06/02 1	P-17 S3 2' - 4' 3/06/02 1	P-17 S4 4' - 6' 3/06/02 1	P-17 S5 6' - 8' 3/06/02 1	INSTRUMENT DETECTION LIMIT (ug/L)	
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	4.4	1.1	1.1	3.2	5.0	3.0	3 - 12*
Barium	13.1	5.3 B	6.5 B	16.3	5.4 B	3.0	15 - 600
Cadmium	0.36	0.24 B	U	0.17 B	0.46	2.0	0.1 - 1, (10***)
Chromium	15.9	17.0	3.3	8.2	5.8	3.0	1.5 - 40*, (50****)
Lead	20.5	2.8	1.5	5.1	2.7	1.0	200 - 500**
Mercury	0.065	U	U	0.019 B	U	0.1	0.001 - 0.2
Selenium	U	U	U	U	0.74 B	8.0	0.1 - 3.9
Silver	1.1 B	0.77 B	0.12 B	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	0.250	U	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.250	0	0	0	0		1/10 ****

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Notes:

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- \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.
- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-18						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-18 S1	P-18 S2	P-18 S3	P-18 S4	P-18 S5	INSTRUMENT DETECTION LIMIT (ug/L)	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DILUTION FACTOR	1	1	1	1	1		
PERCENT SOLIDS	84	87	92	97	98		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	16.9	13.3	3.8	1.5	1.4	3.0	3 - 12*
Barium	28.1	23.5	23.8	5.2 B	4.4 B	3.0	15 - 600
Cadmium	0.63	0.38	0.37	U	U	2.0	0.1 - 1, (10****)
Chromium	14.9	16.0	15.9	3.9	3.9	3.0	1.5 - 40*, (50****)
Lead	101	67.5	34.8	1.6	1.6	1.0	200 - 500**
Mercury	0.19	0.52	0.070	U	0.026 B	0.1	0.001 - 0.2
Selenium	0.69 B	U	U	U	U	8.0	0.1 - 3.9
Silver	U	U	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	0.470 P	0.260 P	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.470	0.260	0	0	0		1/10 ****

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Notes:

- : Not established.
- \* : New York State Background.
- \*\* : Background for metropolitan or suburban areas.
- \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.
- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-19						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-19 S1 0 - 2" 3/05/02 1 94	P-19 S2 2' - 2' 3/05/02 1 90	P-19 S3 2' - 4' 3/05/02 1 92	P-19 S4 4' - 6' 3/05/02 1 92	P-19 S5 6' - 8' 3/05/02 20 89	(mg/kg)			
<b>UNITS</b>	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>									
Arsenic	2.3	4.2	6.2	2.8	5.6	3.0	-	3 - 12*	
Barium	17.5	23.8	26.4	17.7	35.1	3.0	-	15 - 600	
Cadmium	0.74	0.96	0.70	0.16	4.7	2.0	-	0.1 - 1, (10****)	
Chromium	35.2	49.7	33.9	9.4	<b>155</b>	3.0	-	1.5 - 40*, (50****)	
Lead	6.8	11.6	25.0	5.0	32.3	1.0	-	200 - 500**	
Mercury	0.032 B	0.078	0.11	0.016	0.20	0.1	-	0.001 - 0.2	
Selenium	0.83 B	0.78 B	0.81 B	0.59 B	0.74 B	8.0	-	0.1 - 3.9	
Silver	2.9	0.95 B	1.50 B	U	4.1	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	23.000	-	0.033	---	
Aroclor-1248	0.440	U	0.300	U	U	-	0.033	---	
Aroclor-1254	U	0.550	U	U	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.440	0.550	0.300	0	<b>23.000</b>			1/10 ****	

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 --- : Not established.  
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 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 [ ] : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-20						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-20 S1	P-20 S2	P-20 S3	P-20 S4	P-20 S5				
SAMPLE IDENTIFICATION	P-20 S1	P-20 S2	P-20 S3	P-20 S4	P-20 S5				
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'				
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02				
DILUTION FACTOR	1	1	1	100	10				
PERCENT SOLIDS	89	95	93	93	96				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
<b>RCRA Metals</b>									
Arsenic	4.2	4.5	3.5	6.4	4.2	3.0	-	3 - 12*	
Barium	20.1	16.0	25.6	51.7	17.9	3.0	-	15 - 600	
Cadmium	0.29 B	0.48	0.98	8.1	2.3	2.0	-	0.1 - 1, (10***)	
Chromium	7.8	18.8	<b>98.6</b>	<b>149</b>	34.8	3.0	-	1.5 - 40*, (50****)	
Lead	6.1	41.1	9.4	33.0	21.3	1.0	-	200 - 500**	
Mercury	U	0.060	0.040	0.19	0.11	0.1	-	0.001 - 0.2	
Selenium	U	U	0.38 B	U	U	8.0	-	0.1 - 3.9	
Silver	U	0.26 B	0.97 B	3.9	2.0	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	U	U	0.120	59.000	5.600	-	0.033	---	
Aroclor-1254	U	0.110 P	0.200	U	0.700	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0	0.110	0.320	<b>59.000</b>	6.300			1/10 ****	

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 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-21						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-21 S1	P-21 S2	P-21 S3	P-21 S4	P-21 S5	P-21 S5			
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'				
SAMPLE DEPTH									
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02				
DILUTION FACTOR	1	1	1	1	1				
PERCENT SOLIDS	85	94	89	88	86				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
<b>RCRA Metals</b>									
Arsenic	10.1	3.3	9.0	4.3	3.5	3.0	-	3 - 12*	
Barium	30.7	15.3	24.3	21.7	48.9	3.0	-	15 - 600	
Cadmium	0.71	0.44	0.46	0.98	0.35	2.0	-	0.1 - 1, (10****)	
Chromium	28.5	40.6	10.9	24.8	13.6	3.0	-	1.5 - 40*, (50****)	
Lead	29.3	6.9	22.4	11.0	6.5	1.0	-	200 - 500**	
Mercury	0.16	0.047	<b>0.54</b>	0.097		0.1	-	0.001 - 0.2	
Selenium	U	U	U	U	U	8.0	-	0.1 - 3.9	
Silver	1.7	0.18	0.60	1.0	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	0.060	0.120	0.046	0.560	U	-	0.033	---	
Aroclor-1254	U	U	U	0.230	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.060	0.120	0.046	0.790	0			1/10 ****	

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 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

**TABLE 1 (continued)**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-22						EASTERN USA BACKGROUND LEVELS
	P-22 S1	P-22 S2	P-22 S3	P-22 S4	P-22 S5		
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1	1	1 / 50	1	1		
PERCENT SOLIDS	83	86	83	86	98		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	9.8	8.9	15.7	14.5	0.77 B	3.0	3 - 12*
Barium	22.7	16.9	68.5	131	3.4 B	3.0	15 - 600
Cadmium	0.62	0.51	4.8	9.1	U	2.0	0.1 - 1, (10****)
Chromium	16.7	12.0	204	76.6	1.6	3.0	1.5 - 40*, (50****)
Lead	45.7	41.4	71.1	584	1.2	1.0	200 - 500**
Mercury	0.12	0.12	0.22	0.071	U	0.1	0.001 - 0.2
Selenium	0.67 B	U	1.1 B	0.68 B	U	8.0	0.1 - 3.9
Silver	0.22 B	0.33 B	2.9	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	26.000 P	0.085 P	U	-	0.033
Aroclor-1254	0.110 P	0.160 P	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.110	0.160	26.000	0.085	0		1/10 ****

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- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

**TABLE 1 (continued)**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-23						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-23 S1	P-23 S2	P-23 S3	P-23 S4	P-23 S5	P-23 S5			
SAMPLE IDENTIFICATION	P-23 S1	P-23 S2	P-23 S3	P-23 S4	P-23 S5	P-23 S5			
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'	6' - 8'			
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02			
DILUTION FACTOR	1	1	1	1	1	1			
PERCENT SOLIDS	85	96	91	84	96	96			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>									
Arsenic	10.4	2.5	2.4	3.8	2.2	2.2	3.0	3 - 12*	
Barium	19.7	8.2 B	16.4	16.7	8.0 B	8.0 B	3.0	15 - 600	
Cadmium	0.52	0.25 B	0.36	2.1	2.7	2.7	2.0	0.1 - 1, (10****)	
Chromium	12.2	9.3	9.3	20.1	29.4	29.4	3.0	1.5 - 40*, (50****)	
Lead	38.8	4.5	5.4	12.1	6.8	6.8	1.0	200 - 500**	
Mercury	0.16	0.026 B	U	0.046	0.032	0.032	0.1	0.001 - 0.2	
Selenium	0.46 B	U	U	U	U	U	8.0	0.1 - 3.9	
Silver	0.14 B	U	U	1.2 B	2.2	2.2	2.0	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	U	-	0.033	
Aroclor-1221	U	U	U	U	U	U	-	0.067	
Aroclor-1232	U	U	U	U	U	U	-	0.033	
Aroclor-1242	U	U	U	U	U	U	-	0.033	
Aroclor-1248	U	U	0.570	U	U	U	-	0.033	
Aroclor-1254	0.140 P	0.041 P	U	U	U	U	-	0.033	
Aroclor-1260	U	U	U	U	U	U	-	0.033	
<b>TOTAL PCBs</b>	0.140	0.041	0.570	0	0	0		1/10 ****	

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--- : Not established.  
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\*\* : Background for metropolitan or suburban areas.  
\*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
\*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-24						EASTERN USA BACKGROUND LEVELS
	P-24 S1 0 - 2" 3/05/02 1	P-24 S2 2" - 2' 3/05/02 1 / 5	P-24 S3 2' - 4' 3/05/02 1	P-24 S4 4' - 6' 3/05/02 1	P-24 S5 6' - 8' 3/05/02 1	INSTRUMENT DETECTION LIMIT	
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	9.7	5.6	3.4	0.83 B	1.6	3.0	3 - 12*
Barium	20.3	16.4	12.4	7.4 B	14.5	3.0	15 - 600
Cadmium	0.98	0.86	0.75	0.28	0.55	2.0	0.1 - 1, (10***)
Chromium	24.2	24.5	18.1	3.7	10.5	3.0	1.5 - 40*, (50****)
Lead	36.8	24.3	37.3	1.9	12.8	1.0	200 - 500**
Mercury	0.090	0.098	0.036	0.017 B	0.023 B	0.1	0.001 - 0.2
Selenium	U	U	U	U	U	8.0	0.1 - 3.9
Silver	1.9	0.93 B	0.35 B	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	1.100	2.500 P	1.100 P	0.270 P	0.330 P	-	0.033
Aroclor-1254	0.650	1.300	0.750	0.300	0.350	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>1.750</b>	<b>3.800</b>	<b>1.850</b>	<b>0.570</b>	<b>0.680</b>		<b>1/10 ****</b>

Qualifiers:  
 U: Constituent analyzed for but not detected.  
 B: Constituent concentration is less than the CRDL, but greater than the IDL.  
 P: Concentration estimated, possibly biased low since primary and confirmation column concentrations had a percent difference >25%; lower value reported.

Notes:  
 --- : Not established.  
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 \*\* : Background for metropolitan or suburban areas.  
 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).



TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-25						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-25 S1 (mg/kg)	P-25 S2 (mg/kg)	P-25 S3 (mg/kg)	P-25 S4 (mg/kg)	P-25 S5 (mg/kg)				
SAMPLE IDENTIFICATION	P-25 S1	P-25 S2	P-25 S3	P-25 S4	P-25 S5				
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'				
DATE OF COLLECTION	3/07/02	3/07/02	3/07/02	3/07/02	3/07/02				
DILUTION FACTOR	1	1	1	1	1				
PERCENT SOLIDS	78	95	95	88	98				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
<b>RCRA Metals</b>									
Arsenic	8.7	7.4	2.7	1.3	1.9	3.0	-	3 - 12*	
Barium	28.7	22.5	13.4	20.0	3.8	3.0	-	15 - 600	
Cadmium	0.89	9.8	3.0	U	U	2.0	-	0.1 - 1, (10***)	
Chromium	27.4	<b>645</b>	<b>208</b>	8.5	3.8	3.0	-	1.5 - 40*, (50****)	
Lead	88.7	26.0	10.4	4.0	1.4	1.0	-	200 - 500**	
Mercury	0.19	0.12	0.029	0.020	U	0.1	-	0.001 - 0.2	
Selenium	U	U	U	U	U	8.0	-	0.1 - 3.9	
Silver	2.4	1.9	0.29	U	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	U	U	U	U	U	-	0.033	---	
Aroclor-1254	2.000	0.190	0.120	U	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	<b>2.000</b>	<b>0.190</b>	<b>0.120</b>	<b>0</b>	<b>0</b>			<b>1/10 ****</b>	

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- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-26						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-26 S1	P-26 S2	P-26 S3	P-26 S4	P-26 S5		
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DATE OF COLLECTION	1	1	1	1/10	1/20		
DILUTION FACTOR	100	94	95	88	89		
PERCENT SOLIDS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
UNITS							
<b>RCRA Metals</b>							
Arsenic	8.8	5.2	2.9	3.2	5.3	3 - 12*	
Barium	25.7	18.8	14.7	20.8	54.8	15 - 600	
Cadmium	0.51	0.44	3.7	2.6	7.1	0.1 - 1, (10****)	
Chromium	12.4	19.5	<b>126</b>	<b>76.3</b>	<b>185</b>	1.5 - 40*, (50****)	
Lead	32.1	17.0	91.8	19.0	36.0	200 - 500**	
Mercury	<b>0.22</b>	<b>0.23</b>	0.077	0.083	0.17	0.001 - 0.2	
Selenium	0.75 B	U	1.2 B	0.48 B	0.74 B	0.1 - 3.9	
Silver	0.16 B	1.5	22.7	14.2	4.7	---	
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	0.033	
Aroclor-1221	U	U	U	U	U	0.067	
Aroclor-1232	U	U	U	U	U	0.033	
Aroclor-1242	U	U	U	11,000	31,000	0.033	
Aroclor-1248	U	0.310	1,300	U	U	0.033	
Aroclor-1254	U	U	0.120	U	U	0.033	
Aroclor-1260	U	U	U	U	U	0.033	
<b>TOTAL PCBs</b>	0	0.310	1,420	<b>11,000</b>	<b>31,000</b>		1/10 ****

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 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-27						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-27 S1	P-27 S2	P-27 S3	P-27 S4	P-27 S5	INSTRUMENT DETECTION LIMIT (ug/L)	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1	1	1/5	1/10	1/50		
PERCENT SOLIDS	72 / 82	87	92	90	88		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	8.4	2.6	12.2	3.1	5.8	3.0	3 - 12*
Barium	25.9	13.6	59.7	26.6	35.1	3.0	15 - 600
Cadmium	1.1	0.34	2.7	2.5	7.1	2.0	0.1 - 1, (10****)
Chromium	37.6	17.2	64.6	87.9	142	3.0	1.5 - 40*, (50****)
Lead	31.9	7.4	46.0	16.6	35.8	1.0	200 - 500**
Mercury	0.18	0.091	0.23	0.10	0.12	0.1	0.001 - 0.2
Selenium	0.87 B	0.51 B	1.8	0.65 B	0.96 B	8.0	0.1 - 3.9
Silver	3.3	0.94 B	2.4	3.0	11.3	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	5.200	8.100	U	-	0.033
Aroclor-1248	0.320	0.400	U	U	41.000	-	0.033
Aroclor-1254	0.180 P	0.130	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.500	0.530	5.200	8.100	41.000		1/10 ****

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Notes:  
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 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-28					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-28 S1	P-28 S2	P-28 S3	P-28 S4	P-28 S5			
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'			
SAMPLE DEPTH								
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02			
DILUTION FACTOR	1	1	1	1/50	1/20			
PERCENT SOLIDS	81	92	93	93	81			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>								
Arsenic	9.1	3.0	1.5	4.5	7.3	3.0	-	3 - 12*
Barium	26.8	12.9	6.7 B	24.9	28.5	3.0	-	15 - 600
Cadmium	1.1	0.41	0.30	5.9	0.75	2.0	-	0.1 - 1, (10****)
Chromium	31.1	14.1	14.1	<b>93.5</b>	<b>186</b>	3.0	-	1.5 - 40*, (50****)
Lead	33.4	6.2	2.4	22.8	48.2	1.0	-	200 - 500**
Mercury	0.20	0.029 B	0.028 B	0.14		0.1	-	0.001 - 0.2
Selenium	0.94 B	U	U	U	U	8.0	-	0.1 - 3.9
Silver	4.2	0.79 B	0.14 B	6.0		2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	0.200 P	0.380	0.450	28.000	20.000	-	0.033	---
Aroclor-1254	0.200 P	U	U	3.000	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.400	0.380	0.450	<b>31.000</b>	<b>20.000</b>			1/10 ****

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 \*\* : Background for metropolitan or suburban areas.  
 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-29						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-29 S1	P-29 S2	P-29 S3	P-29 S4	P-29 S5		
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH	3/07/02	3/07/02	3/07/02	3/07/02	3/07/02		
DATE OF COLLECTION	1 / 10	1	1	1	1		
DILUTION FACTOR	67	94	96	93	100		
PERCENT SOLIDS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
UNITS							
<b>RCRA Metals</b>							
Arsenic	11.8	6.0	1.9	4.6	0.70	B	3 - 12*
Barium	41.2	17.7	11.1	17.8	3.7	B	15 - 600
Cadmium	1.4	0.42	1.0	1.3	0.10	B	0.1 - 1, (10****)
Chromium	35.1	33.7	<b>79.5</b>	37.7	2.4		1.5 - 40*, (50****)
Lead	200	25.3	3.5	41.8	1.3		200 - 500**
Mercury	<b>0.29</b>	0.087	U	0.035	U	U	0.001 - 0.2
Selenium	0.64	U	U	U	U	U	0.1 - 3.9
Silver	2.5	1.3	0.12	4.7	U	U	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	U	0.033
Aroclor-1221	U	U	U	U	U	U	0.067
Aroclor-1232	U	U	U	U	U	U	0.033
Aroclor-1242	U	U	U	U	U	U	0.033
Aroclor-1248	U	U	U	U	U	U	0.033
Aroclor-1254	3.400	0.790	0.034	0.320	U	U	0.033
Aroclor-1260	U	U	U	U	U	U	0.033
<b>TOTAL PCBs</b>	<b>3.400</b>	<b>0.790</b>	<b>0.034</b>	<b>0.320</b>	<b>0</b>	<b>0</b>	<b>1/10 ****</b>

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-30					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-30 S1 0 - 2" 3/05/02	P-30 S2 2" - 2' 3/05/02	P-30 S3 2' - 4' 3/05/02	P-30 S4 4' - 6' 3/05/02	P-30 S5 6' - 8' 3/05/02			
DILUTION FACTOR	1	1/10	1/10	1/10	1/10			
PERCENT SOLIDS	78	90	90	91	94			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>								
Arsenic	7.4	4.1	4.1	5.1	3.0	3.0	-	3 - 12*
Barium	32.5	26.4	28.8	31.3	16.5	3.0	-	15 - 600
Cadmium	2.6	5.5	5.1	5.9	3.0	2.0	-	0.1 - 1, (10***)
Chromium	<b>123</b>	<b>378</b>	<b>339</b>	<b>293</b>	<b>91.5</b>	3.0	-	1.5 - 40*, (50****)
Lead	44.7	24.9	27.2	31.8	23.6	1.0	-	200 - 500**
Mercury	0.15	0.11	0.089	0.14	0.071	0.1	-	0.001 - 0.2
Selenium	0.75 B	0.58 B	0.61 B	0.85 B	0.44 B	8.0	-	0.1 - 3.9
Silver	12.8	5.6	4.5	5.7	8.3	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	0.680	6.300	16.000	9.900	8.000	-	0.033	---
Aroclor-1254	U	U	U	U	U	-	0.033	---
Aroclor-1260	0.170 P	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	<b>0.850</b>	<b>6.300</b>	<b>16.000</b>	<b>9.900</b>	<b>8.000</b>			<b>1/10 ****</b>

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- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-31						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-31 S1	P-31 S2	P-31 S3	P-31 S4	P-31 S5		
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1/20	1	1/1000	1/2000	1/10		
PERCENT SOLIDS	89	85	91	92	92		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	2.6	6.9	4.9	4.7	5.5	3.0	3 - 12*
Barium	19.1	53.5	48.1	43.2	47.0	3.0	15 - 600
Cadmium	5.9	1.5	6.9	8.5	11.4	2.0	0.1 - 1, (10****)
Chromium	364	75.1	214	222	531	3.0	1.5 - 40*, (50****)
Lead	22.8	36.7	39.5	38.5	37.0	1.0	200 - 500**
Mercury	0.13	0.26	0.16	0.17	0.11	0.1	0.001 - 0.2
Selenium	0.45 B	0.72 B	0.87 B	0.78 B	0.98 B	8.0	0.1 - 3.9
Silver	2.3	5.8	4.9	4.1	3.9	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	550.000	880.000	16.000	-	0.033
Aroclor-1248	23.000	0.750	U	U	U	-	0.033
Aroclor-1254	U	0.390	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>23.000</b>	<b>1.140</b>	<b>550.000</b>	<b>880.000</b>	<b>16.000</b>		<b>1/10 ****</b>

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 --- : Not established.  
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 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-32						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-32 S1 0 - 2" 3/05/02 1 76	P-32 S2 2" - 2' 3/05/02 1 92	P-32 S3 2' - 4' 3/05/02 1 91	P-32 S4 4' - 6' 3/05/02 1 88	P-32 S5 6' - 8' 3/05/02 1 88				
<b>RCRA Metals</b>									
Arsenic	10.3	7.0	5.3	2.0	1.1 B	3.0	-	3 - 12*	
Barium	35.2	21.3	25.2	20.4	12.3	3.0	-	15 - 600	
Cadmium	1.8	2.7	5.8	1.9	1.2	2.0	-	0.1 - 1, (10****)	
Chromium	<b>57.3</b>	<b>112</b>	<b>364</b>	<b>160</b>	<b>52.2</b>	3.0	-	1.5 - 40*, (50****)	
Lead	44.2	29.3	25.8	8.8	2.4	1.0	-	200 - 500**	
Mercury	<b>0.22</b>	0.14	0.14	0.13	0.081	0.1	-	0.001 - 0.2	
Selenium	1.6 B	0.88 B	0.74 B	0.43 B	U	8.0	-	0.1 - 3.9	
Silver	6.4	4.9	2.4	0.43 B	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	0.230 P	1.300	7.200	0.180	0.120 P	-	0.033	---	
Aroclor-1254	0.450 P	U	U	0.220 P	U	-	0.033	---	
Aroclor-1260	U	U	U	U	0.160	-	0.033	---	
<b>TOTAL PCBs</b>	<b>0.680</b>	<b>1.300</b>	<b>7.200</b>	<b>0.400</b>	<b>0.280</b>			<b>1/10 ****</b>	

**Qualifiers:**

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- P: Concentration estimated, possibly biased low since primary and confirmation column concentrations had a percent difference >25%; lower value reported.

**Notes:**

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- \*\* : Background for metropolitan or suburban areas.
- \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.
- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).



TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-33						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-33 S1	P-33 S2	P-33 S3	P-33 S4	P-33 S5		
SAMPLE IDENTIFICATION	P-33 S1	P-33 S2	P-33 S3	P-33 S4	P-33 S5		
SAMPLE DEPTH	0' - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
DATE OF COLLECTION	3/07/02	3/07/02	3/07/02	3/07/02	3/07/02		
DILUTION FACTOR	1 / 10	1	1	1	1		
PERCENT SOLIDS	81	95	95	96	97		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)
<b>RCRA Metals</b>							
Arsenic	13.4	3.8	2.1	2.1	0.82	B	3 - 12*
Barium	33.8	16.1	12.8	8.7	3.7	B	15 - 600
Cadmium	0.81	1.1	1.0	0.82		U	0.1 - 1, (10****)
Chromium	28.9	201	70.0	14.4	2.2		1.5 - 40*, (50****)
Lead	97.6	10.0	4.1	2.8	1.4		200 - 500**
Mercury	0.23	0.057				U	0.001 - 0.2
Selenium						U	0.1 - 3.9
Silver	0.88	0.38		0.73		B	---
<b>PCBs</b>							
Aroclor-1016		U	U	U	U		0.033
Aroclor-1221		U	U	U	U		0.067
Aroclor-1232		U	U	U	U		0.033
Aroclor-1242		U	U	U	U		0.033
Aroclor-1248		U	U	U	U		0.033
Aroclor-1254	2.300	0.260	U	U	U		0.033
Aroclor-1260	U	U	U	U	U		0.033
<b>TOTAL PCBs</b>	<b>2.300</b>	0.260	0	0	0		1/10 ****

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 P: Concentration estimated, possibly biased low since primary and confirmation column concentrations had a percent difference >25%; lower value reported.

Notes:  
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 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-34						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-34 S1 0 - 2" 3/05/02 1 83	P-34 S2 2" - 2' 3/05/02 1 / 10 89	P-34 S3 2' - 4' 3/05/02 1 / 10 90	P-34 S4 4' - 6' 3/05/02 1 / 10 92	P-34 S5 6' - 8' 3/05/02 1 / 20 92	(mg/kg)			
<b>RCRA Metals</b>									
Arsenic	8.4	8.1	4.5	4.8	4.3	3.0	-	3 - 12*	
Barium	31.6	30.3	28.8	32.6	25.8	3.0	-	15 - 600	
Cadmium	1.4	3.2	1.4	10.8	13.7	2.0	-	0.1 - 1, (10****)	
Chromium	51.3	170	54.0	431	760	3.0	-	1.5 - 40*, (50****)	
Lead	53.2	26.8	19.7	36.2	29.1	1.0	-	200 - 500**	
Mercury	0.18	0.18	0.14	0.098	0.14	0.1	-	0.001 - 0.2	
Selenium	0.85 B	0.91 B	0.87 B	0.87 B	0.54 B	8.0	-	0.1 - 3.9	
Silver	2.4	3.7	2.2	6.4	3.9	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	10.000	17.000	14.000	-	0.033	---	
Aroclor-1248	0.440	6.200	U	U	U	-	0.033	---	
Aroclor-1254	U	U	U	U	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.440	6.200	10.000	17.000	14.000			1/10 ****	

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Notes:

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- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

**TABLE 1 (continued)**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-35						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-35 S1	P-35 S2	P-35 S3	P-35 S4	P-35 S5	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DATE OF COLLECTION	1 / 10	1 / 10	1	1	1		
DILUTION FACTOR	90	88	94	95	61		
PERCENT SOLIDS							
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	6.1	8.1	7.0	6.6	2.7	3.0	3 - 12*
Barium	26.9	25.9	32.4	30.6	17.6	3.0	15 - 600
Cadmium	5.7	2.7	2.3	2.1	0.60	2.0	0.1 - 1, (10****)
Chromium	<b>277</b>	<b>131</b>	<b>967</b>	<b>858</b>	<b>157</b>	3.0	1.5 - 40*, (50****)
Lead	30.2	28.7	26.3	23.1	6.3	1.0	200 - 500**
Mercury	0.16	0.17	0.085	0.11	0.046	0.1	0.001 - 0.2
Selenium	0.84	0.88	U	0.52	B	8.0	0.1 - 3.9
Silver	5.1	4.0	0.14	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	2.700	3.800	0.140	0.052	0.069	-	0.033
Aroclor-1254	0.920	1.100	0.140	U	U	-	0.033
Aroclor-1260	U	U	U	0.080	0.054	-	0.033
<b>TOTAL PCBs</b>	<b>3.620</b>	<b>4.900</b>	<b>0.280</b>	<b>0.132</b>	<b>0.123</b>		<b>1/10 ****</b>

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-36						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-36 S1 0 - 2" 3/05/02 1 80	P-36 S2 2" - 2' 3/05/02 1/10 77	P-36 S3 2' - 4' 3/05/02 1/10 89	P-36 S4 4' - 6' 3/05/02 1/10 83	P-36 S5 6' - 8' 3/05/02 1/10 85				
<b>UNITS</b>	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>									
Arsenic	7.5	6.0	3.2	5.8	6.9	3.0	-	3 - 12*	
Barium	328	35.5	23.5	42.2	52.6	3.0	-	15 - 600	
Cadmium	1.4	21.5	6.0	5.7	5.2	2.0	-	0.1 - 1, (10****)	
Chromium	43.8	857	141	180	50.3	3.0	-	1.5 - 40*, (50****)	
Lead	38.0	42.2	17.7	18.1	17.8	1.0	-	200 - 500**	
Mercury	0.16	0.29	0.18	0.15	0.15	0.1	-	0.001 - 0.2	
Selenium	1.1 B	0.76 B	0.78 B	1.6 B	1.0 B	8.0	-	0.1 - 3.9	
Silver	2.2	2.8	3.5	1.9	3.0	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	14.000	U	U	-	0.033	---	
Aroclor-1248	0.270	18.000	U	6.200	5.500	-	0.033	---	
Aroclor-1254	U	U	U	U	U	-	0.033	---	
Aroclor-1260	0.110 P	1.200	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.380	19.200	14.000	6.200	5.500			1/10 ****	

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- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-37						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-37 S1	P-37 S2	P-37 S3	P-37 S4	P-37 S5	INSTRUMENT DETECTION LIMIT (ug/L)	
SAMPLE IDENTIFICATION	P-37 S1	P-37 S2	P-37 S3	P-37 S4	P-37 S5		
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DILUTION FACTOR	1	1	1	1	1		
PERCENT SOLIDS	87	95	97	93	93		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)
<b>RCRA Metals</b>							
Arsenic	7.9	5.1	8.7	2.1	1.5	3.0	3 - 12*
Barium	20.7	11.7	4.6	7.1	3.8	3.0	15 - 600
Cadmium	0.97	0.33	0.61	0.38	0.22	2.0	0.1 - 1, (10****)
Chromium	17.0	7.6	10.9	24.3	3.2	3.0	1.5 - 40*, (50****)
Lead	38.7	9.9	4.8	2.3	1.6	1.0	200 - 500**
Mercury	0.14	<b>0.25</b>				0.1	0.001 - 0.2
Selenium	0.50	U	U	U	U	8.0	0.1 - 3.9
Silver	1.1	0.26	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	1.700	0.290	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>1.700</b>	0.290	0	0	0		1/10 ****

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

**TABLE 1 (continued)**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-38					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-38 S1 0 - 2" 3/07/02 1	P-38 S2 2" - 2' 3/07/02 1	P-38 S3 2' - 4' 3/07/02 1	P-38 S4 4' - 6' 3/07/02 1	P-38 S5 6' - 8' 3/07/02 1			
<b>UNITS</b>	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>PERCENT SOLIDS</b>	75	90	96	97	99			
<b>RCRA Metals</b>								
Arsenic	10	9.7	1.9	1.2	2.0	3.0	-	3 - 12*
Barium	76.4	30.1	79.6	25.0	3.1	3.0	-	15 - 600
Cadmium	0.78	0.33	0.28	U	U	2.0	-	0.1 - 1, (10****)
Chromium	24.2	13.0	26.4	2.3	20.3	3.0	-	1.5 - 40*, (50****)
Lead	118	26.9	3.7	3.1	1.2	1.0	-	200 - 500**
Mercury	0.17	0.12	U	U	U	0.1	-	0.001 - 0.2
Selenium	U	U	U	U	U	8.0	-	0.1 - 3.9
Silver	0.58	0.21	B	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	U	U	U	U	U	-	0.033	---
Aroclor-1254	P	U	U	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.910	0	0	0	0			1/10 ****

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-39					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-39 S1 0 - 2" 3/05/02 1 90 (mg/kg)	P-39 S2 2" - 2' 3/05/02 1 96 (mg/kg)	P-39 S3 2' - 4' 3/05/02 1 97 (mg/kg)	P-39 S4 4' - 6' 3/05/02 1 99 (mg/kg)	P-39 S5 6' - 8' 3/05/02 1 95 (mg/kg)			
<u>RCRA Metals</u>								
Arsenic	3.7	1.8	0.85 B	0.77 B	0.59 B	3.0	-	3 - 12*
Barium	16.4	11.3	5.2 B	3.3 B	4.5 B	3.0	-	15 - 600
Cadmium	0.80	0.50	0.16 B	0.16 B	0.14 B	2.0	-	0.1 - 1, (10***)
Chromium	24.5	8.8	4.8	2.2	4.3	3.0	-	1.5 - 40*, (50***)
Lead	23.3	2.0	1.1	0.44	1.1	1.0	-	200 - 500**
Mercury	0.063		U			0.1	-	0.001 - 0.2
Selenium	0.64 B	0.58 B	0.37 B	0.50 B		8.0	-	0.1 - 3.9
Silver	3.9	0.21 B	0.11 B			2.0	-	---
<u>PCBs</u>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	0.061	0.036	0.088		0.050	-	0.033	---
Aroclor-1254	U	U	U	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
TOTAL PCBs	0.061	0.036	0.088	0	0.050			1/10 ****

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-40						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-40 S1 0 - 2" 3/07/02 1 80 (mg/kg)	P-40 S2 2" - 2' 3/07/02 1 94 (mg/kg)	P-40 S3 2' - 4' 3/07/02 1 95 (mg/kg)	P-40 S4 4' - 6' 3/07/02 1 94 (mg/kg)	P-40 S5 6' - 8' 3/07/02 1 95 (mg/kg)				
<b>RCRA Metals</b>									
Arsenic	8.9	7.7	1.7	3.6	1.3	3.0	-	3 - 12*	
Barium	38.2	18.9	13.5	22.6	6.5 B	3.0	-	15 - 600	
Cadmium	0.79	0.46	1.5	0.56	0.25 B	2.0	-	0.1 - 1, (10***)	
Chromium	26.9	17.6	<b>62.5</b>	<b>320</b>	10	3.0	-	1.5 - 40*, (50****)	
Lead	101	25.2	5.6	9.2	2.4	1.0	-	200 - 500**	
Mercury	0.19	0.088	0.025 B	0.034 B	U	0.1	-	0.001 - 0.2	
Selenium	U	U	U	0.52 B	U	8.0	-	0.1 - 3.9	
Silver	1.1 B	1.8	U	U	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	U	U	U	U	U	-	0.033	---	
Aroclor-1254	0.320 P	0.041 P	0.430	U	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.320	0.041	0.430	0	0			1/10 ****	

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Notes:

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\*\* : Background for metropolitan or suburban areas.

\*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.

\*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.

☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).



TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-41						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-41 S1 0 - 2" 3/06/02 1 84 (mg/kg)	P-41 S2 2" - 2' 3/06/02 1 93 (mg/kg)	P-41 S3 2' - 4' 3/06/02 1 89 (mg/kg)	P-41 S4 4' - 6' 3/06/02 1 / 5	P-41 S5 6' - 8' 3/06/02 1 91 (mg/kg)	UNITS			
<b>RCRA Metals</b>									
Arsenic	8.7	2.4	6.7	8.5	3.2	3.0	-	3 - 12*	
Barium	30.3	14.4	30.0	28.4	17.5	3.0	-	15 - 600	
Cadmium	1.6	1.9	1.4	1.1	0.44	2.0	-	0.1 - 1, (10***)	
Chromium	48.2	18.8	14.7	47.2	20.0	3.0	-	1.5 - 40*, (50****)	
Lead	44.2	8.2	24.7	21.6	7.7	1.0	-	200 - 500**	
Mercury	<b>0.23</b>	0.049	0.16	0.17	0.022	0.1	-	0.001 - 0.2	
Selenium	U	U	U	U	0.86	8.0	-	0.1 - 3.9	
Silver	3.6	2.5	1.5	1.1	1.4	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	0.500	0.390	0.620	2.600	0.093	-	0.033	---	
Aroclor-1254	0.330	0.430	0.390	0.620	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	<b>0.830</b>	<b>0.820</b>	<b>1.010</b>	<b>3.220</b>	<b>0.093</b>			<b>1/10 ****</b>	

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 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-42						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-42 S1	P-42 S2	P-42 S3	P-42 S4	P-42 S5		
SAMPLE IDENTIFICATION	P-42 S1	P-42 S2	P-42 S3	P-42 S4	P-42 S5		
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DILUTION FACTOR	1	1	1 / 5	1	1		
PERCENT SOLIDS	78	93	91	98	98		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)
<b>RCRA Metals</b>							
Arsenic	10.9	2.1	4.3	2.1	1.1	3.0	3 - 12*
Barium	33.0	16.1	46.5	5.3	7.3	3.0	15 - 600
Cadmium	1.5	0.91	1.2	0.27	0.16	2.0	0.1 - 1, (10****)
Chromium	28.3	17.4	44.8	8.8	3.1	3.0	1.5 - 40*, (50****)
Lead	43.3	5.7	11.4	1.7	1.4	1.0	200 - 500**
Mercury	<b>0.25</b>	0.032	0.057	0.022		0.1	0.001 - 0.2
Selenium	0.57	U	U	U	U	8.0	0.1 - 3.9
Silver	2.3	1.4	1.1	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	1.000	0.270	3.500	0.042		-	0.033
Aroclor-1254	0.750	0.130	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>1.750</b>	0.400	3.500	0.042	0		1/10 ****

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 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-43						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-43 S1 0 - 2" 3/06/02 1 86 / 96 (mg/kg)	P-43 S2 2" - 2' 3/06/02 1 95 (mg/kg)	P-43 S3 2' - 4' 3/06/02 1 97 (mg/kg)	P-43 S4 4' - 6' 3/06/02 1 97 (mg/kg)	P-43 S5 6' - 8' 3/06/02 1 97 (mg/kg)	INSTRUMENT DETECTION LIMIT (ug/L)	
<b>RCRA Metals</b>							
Arsenic	14.2	1.9	0.93	1.1	0.85	3.0	3 - 12*
Barium	27.3	7.0 B	3.6 B	6.4 B	3.8 B	3.0	15 - 600
Cadmium	0.93	0.22 B	0.091 B	0.20 B	0.11 B	2.0	0.1 - 1, (10***)
Chromium	18.9	5.2	1.9	3.2	1.9	3.0	1.5 - 40*, (50****)
Lead	53.5	2.5	0.94	1.6	0.89	1.0	200 - 500**
Mercury	0.17	0.017 B	U	U	U	0.1	0.001 - 0.2
Selenium	0.54 B	U	U	U	U	8.0	0.1 - 3.9
Silver	0.69 B	U	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	0.130 P	U	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.130	0	0	0	0		1/10 ****

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-44						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-44 S1 0 - 2" 3/07/02 1 80 (mg/kg)	P-44 S2 2" - 2' 3/07/02 1 98 (mg/kg)	P-44 S3 2' - 4' 3/07/02 1 93 (mg/kg)	P-44 S4 4' - 6' 3/07/02 1 96 (mg/kg)	P-44 S5 6' - 8' 3/07/02 1 98 (mg/kg)				
<b>RCRA Metals</b>									
Arsenic	10.7	5.8	1.5	4.9	0.85	3.0	-	3 - 12*	
Barium	94.2	13.9	8.1	15.8	8.1	3.0	-	15 - 600	
Cadmium	1.0	0.38	1.7	0.68	2.5	2.0	-	0.1 - 1, (10***)	
Chromium	107	17.8	85.0	26.1	1.1	3.0	-	1.5 - 40*, (50****)	
Lead	164	43.1	4.8	55.5	1.1	1.0	-	200 - 500**	
Mercury	0.31	0.15	0.089	0.078	0.078	0.1	-	0.001 - 0.2	
Selenium	0.54	U	U	U	U	8.0	-	0.1 - 3.9	
Silver	U	U	U	U	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	U	U	U	U	U	-	0.033	---	
Aroclor-1254	0.320	U	0.068	U	U	-	0.033	---	
Aroclor-1260	U	U	0.099	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.320	0	0.167	0	0			1/10 ****	

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**TABLE 1 (continued)**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-45					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-45 S1 0 - 2" 3/06/02 1 90 (mg/kg)	P-45 S2 2" - 2' 3/06/02 1 94 (mg/kg)	P-45 S3 2' - 4' 3/06/02 1 92 (mg/kg)	P-45 S4 4' - 6' 3/06/02 1 91 (mg/kg)	P-45 S5 6' - 8' 3/06/02 1 90 (mg/kg)			
<b>RCRA Metals</b>								
Arsenic	6.6	3.1	2.5	2.7	2.8	3.0	-	3 - 12*
Barium	18.6	19.6	16.5	16.2	17.6	3.0	-	15 - 600
Cadmium	1.0	3.4	3.1	0.27 B	0.28 B	2.0	-	0.1 - 1, (10****)
Chromium	35.3	<b>117</b>	<b>97.3</b>	14.1	32.8	3.0	-	1.5 - 40*, (50****)
Lead	24.4	11.7	5.5	3.4	4.1	1.0	-	200 - 500**
Mercury	0.17	0.055	0.057	0.74 B	0.026 B	0.1	-	0.001 - 0.2
Selenium	0.68 B	0.85 B	0.74 B	0.73 B	0.77 B	8.0	-	0.1 - 3.9
Silver	3.1	1.3 B	0.25 B	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	0.410	0.400	0.390	0.430 P	0.320 P	-	0.033	---
Aroclor-1254	0.250 P	0.300	0.210	0.210	0.190	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.660	0.700	0.600	0.640	0.510			1/10 ****

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**TABLE 1 (continued)**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Probe P-46					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-46 S1 0 - 2" 3/06/02 1	P-46 S2 2" - 2' 3/06/02 1	P-46 S3 2' - 4' 3/06/02 1	P-46 S4 4' - 6' 3/06/02 1 / 5	P-46 S5 6' - 8' 3/06/02 1			
PERCENT SOLIDS	86	92	93	92	90			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)	(mg/kg)
<b>RCRA Metals</b>								
Arsenic	10.2	3.4	4.2	3.9	4.0	3.0	-	3 - 12*
Barium	28.9	20.3	19.7	26.8	34.0	3.0	-	15 - 600
Cadmium	1.5	2.4	4.1	8.2	4.2	2.0	-	0.1 - 1, (10****)
Chromium	38.2	<b>68.0</b>	<b>59.1</b>	<b>176</b>	<b>83.5</b>	3.0	-	1.5 - 40*, (50****)
Lead	33.9	13.2	14.0	20.9	13.7	1.0	-	200 - 500**
Mercury	0.18	0.028 B	0.049	0.060	0.036 B	0.1	-	0.001 - 0.2
Selenium	0.63 B	U	U	U	U	8.0	-	0.1 - 3.9
Silver	2.9	1.3 B	1.7	1.3 B	0.94 B	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	0.400	U	0.670	2.700	0.370	-	0.033	---
Aroclor-1254	0.240	0.240	0.410	1.200	0.410	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.640	0.240	1.080	3.900	0.780			1/10 ****

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TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-47						EASTERN USA BACKGROUND LEVELS
	P-47 S1	P-47 S2	P-47 S3	P-47 S4	P-47 S5		
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DILUTION FACTOR	1	1	1	1/50	2		
PERCENT SOLIDS	82	86	91	90	94		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	6.2	7.0	2.3	4.3	2.6	3.0	3 - 12*
Barium	25.7	25.2	15.3	31.6	19.8	3.0	15 - 600
Cadmium	1.8	1.7	1.1	1.2	0.65	2.0	0.1 - 1, (10****)
Chromium	30.1	<b>51.5</b>	8.5	22.3	23.8	3.0	1.5 - 40*, (50****)
Lead	46.9	76.9	6.1	11.2	9.7	1.0	200 - 500**
Mercury	0.15	0.11	0.071	0.098	0.030	0.1	0.001 - 0.2
Selenium	0.87	0.67	0.71	1.0	0.83	8.0	0.1 - 3.9
Silver	5.6	13.1	0.37	0.97	0.43	2.0	---
<b>PCBs</b>							
Aroclor-1016		U	U	U	U	-	0.033
Aroclor-1221		U	U	U	U	-	0.067
Aroclor-1232		U	U	U	U	-	0.033
Aroclor-1242		U	U	44.000	2.000	-	0.033
Aroclor-1248	1.800	0.660	0.480	U	U	-	0.033
Aroclor-1254	1.100	0.500	0.180	U	U	-	0.033
Aroclor-1260		U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	<b>2.900</b>	<b>1.160</b>	<b>0.660</b>	<b>44.000</b>	<b>2.000</b>		<b>1/10 ****</b>

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- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-48						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-48 S1 0'-2" 3/06/02 1 83 (mg/kg)	P-48 S2 2'-2' 3/06/02 1/10 91 (mg/kg)	P-48 S3 2'-4' 3/06/02 1/10 88 (mg/kg)	P-48 S4 4'-6' 3/06/02 1 89 (mg/kg)	P-48 S5 6'-8' 3/06/02 1 91 (mg/kg)				
<b>RCRA Metals</b>									
Arsenic	9.9	3.8	3.4	8.2	5.3	3.0	-	3 - 12*	
Barium	31.2	34.2	19.1	34.1	26.1	3.0	-	15 - 600	
Cadmium	0.99	2.1	2.2	0.73	0.97	2.0	-	0.1 - 1, (10***)	
Chromium	24.1	30.9	14.3	18.0	18.4	3.0	-	1.5 - 40*, (50****)	
Lead	33.6	15.9	15.5	24.8	17.2	1.0	-	200 - 500**	
Mercury	<b>0.23</b>	0.071	0.13	<b>0.23</b>	<b>0.30</b>	0.1	-	0.001 - 0.2	
Selenium	0.58 B	4.5	2.6	1.9	0.41 B	8.0	-	0.1 - 3.9	
Silver	2.3				2.1	2.0	-	---	
<b>PCBs</b>									
Atroclor-1016	U	U	U	U	U	-	0.033	---	
Atroclor-1221	U	U	U	U	U	-	0.067	---	
Atroclor-1232	U	U	U	U	U	-	0.033	---	
Atroclor-1242	U	U	U	U	U	-	0.033	---	
Atroclor-1248	0.970 P	2.800	2.300	0.650	1.000	-	0.033	---	
Atroclor-1254	U	1.400	1.700	1.100 P	0.720	-	0.033	---	
Atroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.970	<b>4.200</b>	4.000	1.750	1.720			1/10 ****	

Qualifiers:  
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Notes:  
 --- : Not established.  
 \* : New York State Background.  
 \*\* : Background for metropolitan or suburban areas.  
 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).



TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

Probe P-49						
SAMPLE LOCATION	P-49 S1	P-49 S2	P-49 S3	P-49 S4	P-49 S5	
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'	
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02	
DILUTION FACTOR	1	1	1	1	1	
PERCENT SOLIDS	80	89	89	88	91	
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>RCRA Metals</b>						
Arsenic	10.2	5.5	3.9	5.1	4.9	3 - 12*
Barium	29.8	20.0	19.5	27.0	29.9	15 - 600
Cadmium	1.1	0.98	0.54	0.81	0.61	0.1 - 1, (10****)
Chromium	29.8	36.4	12.4	22.3	15.0	1.5 - 40*, (50****)
Lead	49.3	18.0	14.5	17.2	15.4	200 - 500**
Mercury	<b>0.24</b>	0.096	<b>0.22</b>	<b>0.31</b>	0.13	0.001 - 0.2
Selenium	U	U	U	0.51 B	U	0.1 - 3.9
Silver	4.6	8.0	1.8	4.6	1.9	---
<b>PCBs</b>						
Aroclor-1016	U	U	U	U	U	---
Aroclor-1221	U	U	U	U	U	---
Aroclor-1232	U	U	U	U	U	---
Aroclor-1242	U	U	U	U	U	---
Aroclor-1248	U	0.400 P	0.810	1.600	0.610	---
Aroclor-1254	0.120 P	0.350 P	0.780	1.900	0.610	---
Aroclor-1260	U	U	U	U	U	---
<b>TOTAL PCBs</b>	0.120	0.750	1.590	3.500	1.220	1/10 ****

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Notes:  
 --- : Not established.  
 \* : New York State Background.  
 \*\* : Background for metropolitan or suburban areas.  
 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-50						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-50 S1 0 - 2" 3/06/02 1 81 (mg/kg)	P-50 S2 2" - 2' 3/06/02 1 95 (mg/kg)	P-50 S3 2' - 4' 3/06/02 1 94 (mg/kg)	P-50 S4 4' - 6' 3/06/02 1 96 (mg/kg)	P-50 S5 6' - 8' 3/06/02 1 98 / 97 (mg/kg)	INSTRUMENT DETECTION LIMIT (ug/L)	
<b>RCRA Metals</b>							
Arsenic	11.6	2.1	2.6	1.7	1.1	3.0	3 - 12*
Barium	33.2	9.5	20.4	12.8	8.9	3.0	15 - 600
Cadmium	1.2	0.28	0.34	0.23	0.19	2.0	0.1 - 1, (10****)
Chromium	22.7	7.8	9.4	5.7	1.9	3.0	1.5 - 40*, (50****)
Lead	156	4.3	4.2	3.0	1.0	1.0	200 - 500**
Mercury	0.21	U	0.025	U	U	0.1	0.001 - 0.2
Selenium	U	U	U	U	U	8.0	0.1 - 3.9
Silver	0.76	0.094	U	U	U	2.0	---
<b>PCBs</b>							
Atroclor-1016	U	U	U	U	U	-	0.033
Atroclor-1221	U	U	U	U	U	-	0.067
Atroclor-1232	U	U	U	U	U	-	0.033
Atroclor-1242	U	U	U	U	U	-	0.033
Atroclor-1248	U	0.300	0.080	U	U	-	0.033
Atroclor-1254	0.300	U	U	U	U	-	0.033
Atroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0.300	0.300	0.080	0	0		1/10 ****

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Notes:  
 --- : Not established.  
 \* : New York State Background.  
 \*\* : Background for metropolitan or suburban areas.  
 \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.  
 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-51						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-51 S1 0 - 2" 3/06/02 1	P-51 S2 2" - 2' 3/06/02 1	P-51 S3 2' - 4' 3/06/02 1	P-51 S4 4' - 6' 3/06/02 1	P-51 S5 6' - 8' 3/06/02 1	INSTRUMENT DETECTION LIMIT (ug/L)	
PERCENT SOLIDS	79	89	92	85	98		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
<b>RCRA Metals</b>							
Arsenic	16.0	12.6	3.0	1.1	0.99	3.0	3 - 12*
Barium	37.5	24.7	29.3	7.7 B	3.6 B	3.0	15 - 600
Cadmium	0.73	0.47	0.31	U	U	2.0	0.1 - 1, (10****)
Chromium	17.5	12.2	10.0	3.1	2.1	3.0	1.5 - 40*, (50****)
Lead	78.8	31.9	5.1	1.2	1.4	1.0	200 - 500**
Mercury	0.28	0.20	0.024 B	U	U	0.1	0.001 - 0.2
Selenium	1.0 B	0.61 B	U	U	U	8.0	0.1 - 3.9
Silver	U	0.20 B	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	U	U	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0	0	0	0	0		1/10 ****

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Notes:

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- \*\* : Background for metropolitan or suburban areas.
- \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.
- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHRUP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-52					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-52 S1 0 - 2" 3/06/02 1 83 (mg/kg)	P-52 S2 2" - 2' 3/06/02 1 90 (mg/kg)	P-52 S3 2' - 4' 3/06/02 1 98 (mg/kg)	P-52 S4 4' - 6' 3/06/02 1 98 (mg/kg)	P-52 S5 6' - 8' 3/06/02 1 96 (mg/kg)			
<b>RCRA Metals</b>								
Arsenic	16.4	7.8	1.3	2.1	4.1	3.0	-	3 - 12*
Barium	32.3	20.6	5.9 B	11.7	25.9	3.0	-	15 - 600
Cadmium	0.77	0.35	U	0.16 B	0.38	2.0	-	0.1 - 1, (10****)
Chromium	16.0	8.4	2.8	5.2	11.0	3.0	-	1.5 - 40*, (50****)
Lead	97.8	17.3	1.4	2.5	5.1	1.0	-	200 - 500**
Mercury	0.31	0.11	U	0.025 B	0.016 B	0.1	-	0.001 - 0.2
Selenium	0.81 B	U	U	U	U	8.0	-	0.1 - 3.9
Silver	U	U	U	U	U	2.0	-	---
<b>PCBs</b>								
Aroclor-1016	U	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	U	-	0.033	---
Aroclor-1248	U	U	U	U	U	-	0.033	---
Aroclor-1254	0.043 P	U	U	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.043	0	0	0	0			1/10 ****

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Notes:

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- \*\* : Background for metropolitan or suburban areas.
- \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.
- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-53					INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-53 S1 0 - 2" 3/06/02 1 76 (mg/kg)	P-53 S2 2" - 2' 3/06/02 1 83 (mg/kg)	P-53 S3 2' - 4' 3/06/02 1 84 (mg/kg)	P-53 S4 4' - 6' 3/06/02 1 98 (mg/kg)	P-53 S5 6' - 8' 3/06/02 1 97 (mg/kg)			
<b>RCRA Metals</b>								
Arsenic	16.2	15.4	5.2	1.4	1.4	3.0	-	3 - 12*
Barium	56.1	58.5	43.3	9.6	5.0	3.0	-	15 - 600
Cadmium	1.6	1.4	0.48	0.13	0.17	2.0	-	0.1 - 1, (10***)
Chromium	20.5	17.3	13.8	3.2	2.6	3.0	-	1.5 - 40*, (50****)
Lead	101	86.4	6.6	1.3	1.1	1.0	-	200 - 500**
Mercury	0.27	0.37	0.049	0.018	0.049	0.1	-	0.001 - 0.2
Selenium	0.60					8.0	-	0.1 - 3.9
Silver	0.13					2.0	-	---
<b>PCBs</b>								
Aroclor-1016							0.033	---
Aroclor-1221							0.067	---
Aroclor-1232							0.033	---
Aroclor-1242							0.033	---
Aroclor-1248							0.033	---
Aroclor-1254	0.220	0.079					0.033	---
Aroclor-1260							0.033	---
<b>TOTAL PCBs</b>	0.220	0.079	0	0	0			1/10 ****

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- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-54						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-54 S1 0 - 2" 3/06/02 1	P-54 S2 2" - 2' 3/06/02 1	P-54 S3 2' - 4' 3/06/02 1	P-54 S4 4' - 6' 3/06/02 1	P-54 S5 6' - 8' 3/06/02 1	P-54 S5 6' - 8' 3/06/02 1			
PERCENT SOLIDS	82	86	95	99	99	99			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>									
Arsenic	11.6	11.8	1.4	1.1	3.5	3.0	-	3 - 12*	
Barium	25.3	22.2	5.9	6.9	14.7	3.0	-	15 - 600	
Cadmium	0.59	0.55	U	0.096	0.30	2.0	-	0.1 - 1, (10***)	
Chromium	18.9	16.9	4.4	2.6	8.1	3.0	-	1.5 - 40*, (50****)	
Lead	74.3	50.7	2.3	0.99	1.6	1.0	-	200 - 500**	
Mercury	<b>0.29</b>	<b>0.23</b>	0.030	U	U	0.1	-	0.001 - 0.2	
Selenium	0.94	B	U	U	U	8.0	-	0.1 - 3.9	
Silver	0.49	B	U	U	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	0.180	U	U	U	U	-	0.033	---	
Aroclor-1254	0.160	P	U	U	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0.340	0	0	0	0			1/10 ****	

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-55						EASTERN USA BACKGROUND LEVELS
	P-55 S1	P-55 S2	P-55 S3	P-55 S4	P-55 S5		
SAMPLE IDENTIFICATION	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'		
SAMPLE DEPTH							
DATE OF COLLECTION	3/06/02	3/06/02	3/06/02	3/06/02	3/06/02		
DILUTION FACTOR	1	1	1	1	1		
PERCENT SOLIDS	83	87	96	98	97		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	14.4	24.3	3.2	1.7	0.89	3.0	3 - 12*
Barium	32.5	22.2	3.1	15.8	10.9	3.0	15 - 600
Cadmium	0.98	0.47		0.11		2.0	0.1 - 1, (10****)
Chromium	21.5	9.2	4.6	5.0	2.8	3.0	1.5 - 40*, (50****)
Lead	95.1	29.5	0.98	2.0	1.1	1.0	200 - 500**
Mercury	0.26	0.30				0.1	0.001 - 0.2
Selenium		0.44				8.0	0.1 - 3.9
Silver	1.5					2.0	---
<b>PCBs</b>							
Aroclor-1016							
Aroclor-1221							
Aroclor-1232							
Aroclor-1242							
Aroclor-1248							
Aroclor-1254	0.082						
Aroclor-1260							
<b>TOTAL PCBs</b>	0.082	0	0	0	0		1/10 ****

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- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-56						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-56 S1 0 - 2" 3/06/02 1 79 (mg/kg)	P-56 S2 2" - 2' 3/06/02 1 86 (mg/kg)	P-56 S3 2' - 4' 3/06/02 1 84 (mg/kg)	P-56 S4 4' - 6' 3/06/02 1 98 (mg/kg)	P-56 S5 6' - 8' 3/06/02 1 98 (mg/kg)				
<b>RCRA Metals</b>									
Arsenic	13.9	8.8	2.9	1.9	0.99	3.0	-	3 - 12*	
Barium	39.9	21.8	38.3	7.1 B	4.5 B	3.0	-	15 - 600	
Cadmium	0.98	0.43	0.35	0.17 B	0.092 B	2.0	-	0.1 - 1, (10***)	
Chromium	24.5	11.7	12.9	5.9	2.1	3.0	-	1.5 - 40*, (50****)	
Lead	135	15.7	5.7	2.1	0.88	1.0	-	200 - 500**	
Mercury	0.24	0.47	0.049	0.036		0.1	-	0.001 - 0.2	
Selenium	0.50 B	0.67 B				8.0	-	0.1 - 3.9	
Silver	0.70 B	U	U	U	U	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	U	U	-	0.033	---	
Aroclor-1248	U	U	U	U	U	-	0.033	---	
Aroclor-1254	U	U	U	U	U	-	0.033	---	
Aroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0	0	0	0	0			1/10 ****	

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- P: Concentration estimated, possibly biased low since primary and confirmation column concentrations had a percent difference >25%; lower value reported.

Notes:

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- \* : New York State Background.
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- \*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.
- \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.
- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).



TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-57						EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-57 S1 0 - 2" 3/06/02 1	P-57 S2 2" - 2' 3/06/02 1	P-57 S3 2' - 4' 3/06/02 1	P-57 S4 4' - 6' 3/06/02 1	P-57 S5 6' - 8' 3/06/02 1	INSTRUMENT DETECTION LIMIT (ug/L)	
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	6.3	9.2	7.8	0.88 B	0.91	3.0	3 - 12*
Barium	24.8	25.7	19.7	2.7 B	3.0 B	3.0	15 - 600
Cadmium	0.87	1.0	0.44	U	U	2.0	0.1 - 1, (10***)
Chromium	30.5	30.7	8.7	2.0	2.4	3.0	1.5 - 40*, (50****)
Lead	108	65.4	20.5	0.80	0.90	1.0	200 - 500**
Mercury	<b>0.23</b>	<b>0.23</b>	<b>0.22</b>	0.025 B	U	0.1	0.001 - 0.2
Selenium	U	U	0.45 B	U	U	8.0	0.1 - 3.9
Silver	3.4	4.7	0.39 B	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	---
Aroclor-1221	U	U	U	U	U	-	---
Aroclor-1232	U	U	U	U	U	-	---
Aroclor-1242	U	U	U	U	U	-	---
Aroclor-1248	U	0.310 P	U	U	U	-	---
Aroclor-1254	0.250 P	0.260 P	U	U	U	-	---
Aroclor-1260	U	U	U	U	U	-	---
<b>TOTAL PCBs</b>	0.250	0.570	0	0	0		1/10 ****

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-58				INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-58 S2 2" - 2' 3/06/02 1	P-58 S3 2' - 4' 3/06/02 1	P-58 S4 4' - 6' 3/06/02 1	P-58 S5 6' - 8' 3/06/02 1			
PERCENT SOLIDS	96	88	97	87			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>							
Arsenic	0.79 B	3.5	1.7	3.4	3.0	-	3 - 12*
Barium	9.2	26.9	8.4 B	61.9	3.0	-	15 - 600
Cadmium		0.97	U	0.17 B	2.0	-	0.1 - 1, (10****)
Chromium	32.8	24.2	5.2	16.2	3.0	-	1.5 - 40*, (50****)
Lead	1.4	13.8	1.4	7.8	1.0	-	200 - 500**
Mercury		0.10	U	U	0.1	-	0.001 - 0.2
Selenium		U	U	U	8.0	-	0.1 - 3.9
Silver		1.3	U	U	2.0	-	---
<b>PCBs</b>							
Aroclor-1016		U	U	U	-	0.033	---
Aroclor-1221		U	U	U	-	0.067	---
Aroclor-1232		U	U	U	-	0.033	---
Aroclor-1242		U	U	U	-	0.033	---
Aroclor-1248	0.150	0.750	U	U	-	0.033	---
Aroclor-1254		0.230	P	U	-	0.033	---
Aroclor-1260		U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.150	0.980	0	0			1/10 ****

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 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-59				INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-59 S2 2" - 2' 3/06/02 1	P-59 S3 2' - 4' 3/06/02 1	P-59 S4 4' - 6' 3/06/02 1	P-59 S5 6' - 8' 3/06/02 1			
PERCENT SOLIDS	96 (mg/kg)	82 (mg/kg)	76 (mg/kg)	98 (mg/kg)			
UNITS							
RCRA Metals							
Arsenic	1.9	15.7	2.7	1.7	3.0	-	3 - 12*
Barium	7.9 B	26.2	39.0	5.9 B	3.0	-	15 - 600
Cadmium	0.45	1.7	0.17 B	2.4	2.0	-	0.1 - 1, (10***)
Chromium	19.2	16.7	16.0	0.98	3.0	-	1.5 - 40*, (50***)
Lead	2.8	5.3	7.7	0.088	1.0	-	200 - 500**
Mercury	U	U	U	U	0.1	-	0.001 - 0.2
Selenium	U	U	U	U	8.0	-	0.1 - 3.9
Silver	U	U	U	U	2.0	-	---
PCBs							
Aroclor-1016	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	-	0.033	---
Aroclor-1248	U	U	U	U	-	0.033	---
Aroclor-1254	U	U	U	U	-	0.033	---
Aroclor-1260	U	U	U	U	-	0.033	---
TOTAL PCBs	0	0	0	0			1/10****

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 \*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.  
 ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 1 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - SOIL PROBE LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	Probe P-60						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	P-60 S1	P-60 S2	P-60 S3	P-60 S4	P-60 S5	P-60 S5			
SAMPLE IDENTIFICATION									
SAMPLE DEPTH	0 - 2"	2" - 2'	2' - 4'	4' - 6'	6' - 8'				
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02				
DILUTION FACTOR	1	1	1	1	1				
PERCENT SOLIDS	94	95	94	100	100				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
<b>RCRA Metals</b>									
Arsenic	3.1	4.8	2.4	4.8	6.3	3.0	-	3 - 12*	
Barium	97.6	26.2	16.7	30.4	37.2	3.0	-	15 - 600	
Cadmium	0.16 B	0.68	0.62	3.5	7.3	2.0	-	0.1 - 1, (10***)	
Chromium	9.1	27.9	<b>78.5</b>	<b>82.5</b>	<b>121</b>	3.0	-	1.5 - 40*, (50****)	
Lead	5.2	14.2	6.8	22.1	36.1	1.0	-	200 - 500**	
Mercury	U	0.069	0.11	0.18	<b>0.28</b>	0.1	-	0.001 - 0.2	
Selenium	0.40 B	0.80 B	0.70 B	0.76 B	0.77 B	8.0	-	0.1 - 3.9	
Silver	U	0.87 B	0.38 B	3.7	7.7	2.0	-	---	
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U	-	0.033	---	
Aroclor-1221	U	U	U	U	U	-	0.067	---	
Aroclor-1232	U	U	U	U	U	-	0.033	---	
Aroclor-1242	U	U	U	11.000	11.000	-	0.033	---	
Aroclor-1248	U	0.220	0.110	U	U	-	0.033	---	
Aroclor-1254	U	U	U	U	U	-	0.033	---	
Aroclor-1260	U	0.050 P	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0	0.270	0.110	<b>11.000</b>	<b>11.000</b>			<b>1/10 ****</b>	

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**TABLE 2**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - EXPOSURE POINT LOCATIONS**  
**RCRA METALS AND PCBs**

SAMPLE LOCATION	Baseball Field				S. Playground		EASTERN USA BACKGROUND LEVELS
	EP-1	EP-2	EP-3	EP-4	EP-5	EP-5	
SAMPLE IDENTIFICATION	EP-1	EP-2	EP-3	EP-4	EP-5		
SAMPLE DEPTH	0 - 2"	0 - 2"	0 - 2"	0 - 2"	0 - 2"		
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1	1	1	1	1		
PERCENT SOLIDS	89	90	90	91	76		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
<b>RCRA Metals</b>							
Arsenic	2.6	3.1	3.6	5.0	1.1 B	3.0	3 - 12*
Barium	22.2	17.9	17.0	17.2	8.2 B	3.0	15 - 600
Cadmium	0.14 B	0.17 B	0.17 B	0.18 B	0.13 B	2.0	0.1 - 1, (10****)
Chromium	7.7	8.1	8.6	11.0	4.8	3.0	1.5 - 40*, (50****)
Lead	4.8	5.0	4.9	4.9	5.4	1.0	200 - 500**
Mercury	U	U	U	U	0.018 B	0.1	0.001 - 0.2
Selenium	0.42 B	0.44 B	0.48 B	0.65 B	U	8.0	0.1 - 3.9
Silver	U	U	U	U	U	2.0	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	U	-	0.033
Aroclor-1221	U	U	U	U	U	-	0.067
Aroclor-1232	U	U	U	U	U	-	0.033
Aroclor-1242	U	U	U	U	U	-	0.033
Aroclor-1248	U	U	U	U	U	-	0.033
Aroclor-1254	U	U	U	U	U	-	0.033
Aroclor-1260	U	U	U	U	U	-	0.033
<b>TOTAL PCBs</b>	0	0	0	0	0		1/10 *****

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- ☐ : Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).

TABLE 2 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - EXPOSURE POINT LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	South Playground						INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	EP-6 0 - 2" 3/05/02 1	EP-7 0 - 2" 3/05/02 1	EP-8 0 - 2" 3/05/02 1	EP-9 0 - 2" 3/05/02 1	EP-10 0 - 2" 3/05/02 1	(mg/kg)			
<b>UNITS</b>	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
<b>RCRA Metals</b>									
Arsenic	0.61 B	5.3	1.3	5.8	7.0	3.0	-	3 - 12*	
Barium	4.3 B	10.4 B	4.4 B	7.5 B	14.9	3.0	-	15 - 600	
Cadmium	0.13 B	0.38	0.12 B	0.37	0.55	2.0	-	0.1 - 1, (10****)	
Chromium	4.3	8.1	5.1	12.7	20.9	3.0	-	1.5 - 40*, (50****)	
Lead	7.6	7.3	4.5	6.8	11.9	1.0	-	200 - 500**	
Mercury	U	U	U	U	0.022 B	0.1	-	0.001 - 0.2	
Selenium	U	U	U	U	U	8.0	-	0.1 - 3.9	
Silver	U	U	U	U	U	2.0	-	---	
<b>PCBs</b>									
Atroclor-1016	U	U	U	U	U	-	0.033	---	
Atroclor-1221	U	U	U	U	U	-	0.067	---	
Atroclor-1232	U	U	U	U	U	-	0.033	---	
Atroclor-1242	U	U	U	U	U	-	0.033	---	
Atroclor-1248	U	U	U	0.082	0.048	-	0.033	---	
Atroclor-1254	U	U	U	0.075	0.044	-	0.033	---	
Atroclor-1260	U	U	U	U	U	-	0.033	---	
<b>TOTAL PCBs</b>	0	0	0	0.157	0.092			1/10 ****	

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TABLE 2 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - EXPOSURE POINT LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	South Playground			Horseshoe Pits			INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	EP-11 0 - 2" 3/05/02 1	EP-12 0 - 2" 3/05/02 1	EP-13 0 - 2" 3/05/02 1	EP-14 0 - 2" 3/06/02 1	EP-15 0 - 2" 3/06/02 1	(mg/kg)			
PERCENT SOLIDS	86	94	85	86	88				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
<b>RCRA Metals</b>									
Arsenic	2.0	2.1	3.4	4.3	4.1		3.0	-	3 - 12*
Barium	7.8 B	5.4 B	12.6	16.6	15.9		3.0	-	15 - 600
Cadmium	0.22 B	0.28	0.48	0.24 B	0.23 B		2.0	-	0.1 - 1, (10****)
Chromium	5.5	7.7	12.5	7.6	7.5		3.0	-	1.5 - 40*, (50****)
Lead	10.5	9.0	8.1	5.9	5.0		1.0	-	200 - 500**
Mercury	0.020 B		0.029 B				0.1	-	0.001 - 0.2
Selenium	U	U	U	U	U		8.0	-	0.1 - 3.9
Silver	U	U	U	U	U		2.0	-	---
<b>PCBs</b>									
Aroclor-1016	U	U	U	U	U		-	0.033	---
Aroclor-1221	U	U	U	U	U		-	0.067	---
Aroclor-1232	U	U	U	U	U		-	0.033	---
Aroclor-1242	U	U	U	U	U		-	0.033	---
Aroclor-1248	U	U	U	U	U		-	0.033	---
Aroclor-1254	U	U	U	U	U		-	0.033	---
Aroclor-1260	U	U	U	U	U		-	0.033	---
<b>TOTAL PCBs</b>	0	0	0	0	0				1/10 ****

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TABLE 2 (continued)  
 NORTHROP GRUMMAN CORPORATION  
 TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK  
 SOIL SAMPLING PROGRAM - EXPOSURE POINT LOCATIONS  
 RCRA METALS AND PCBs

SAMPLE LOCATION	North Playground				INSTRUMENT DETECTION LIMIT (ug/L)	CONTRACT REQUIRED DETECTION LIMIT (mg/kg)	EASTERN USA BACKGROUND LEVELS (mg/kg)
	EP-16 0 - 2" 3/06/02 1 85	EP-17 0 - 2" 3/06/02 1 88	EP-18 0 - 2" 3/06/02 1 81	EP-19 0 - 2" 3/06/02 1 78			
<b>RCRA Metals</b>							
Arsenic	4.7	4.5	5.0	33.5	3.0	-	3 - 12*
Barium	13.0	22.3	15.7	19.7	3.0	-	15 - 600
Cadmium	0.68	1.2	1.1	0.75	2.0	-	0.1 - 1, (10***)
Chromium	15.9	19.7	21.7	36.7	3.0	-	1.5 - 40*, (50****)
Lead	12.7	14.1	15.9	18.5	1.0	-	200 - 500**
Mercury	0.044 B	0.076 U	0.068 U	0.063 U	0.1	-	0.001 - 0.2
Selenium	1.9	1.7	3.5	2.2	8.0	-	0.1 - 3.9
Silver					2.0	-	---
<b>PCBs</b>							
Aroclor-1016	U	U	U	U	-	0.033	---
Aroclor-1221	U	U	U	U	-	0.067	---
Aroclor-1232	U	U	U	U	-	0.033	---
Aroclor-1242	U	U	U	U	-	0.033	---
Aroclor-1248	0.180	1.200 P	1.400 P	1.000	-	0.033	---
Aroclor-1254	0.100	0.370 U	0.580 U	0.260	-	0.033	---
Aroclor-1260	U	U	U	U	-	0.033	---
<b>TOTAL PCBs</b>	0.280	1.570	1.980	1.260			1/10 ****

Qualifiers:

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P: Concentration estimated, possibly biased low since primary and confirmation column concentrations had a percent difference >25%; lower value reported.

Notes:

--- : Not established.

\* : New York State Background.

\*\* : Background for metropolitan or suburban areas.

\*\*\* : Proposed revised criteria in TAGM 4046 Appendix A.

\*\*\*\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.

: Value exceeds the Eastern USA Background Level (metals) or Recommended Soil Cleanup Objective (PCBs).



**TABLE 3**  
**NORTHROP GRUMMAN CORPORATION**  
**TOWN OF OYSTER BAY BETHPAGE COMMUNITY PARK**  
**SOIL SAMPLING PROGRAM - McKAY FIELD PROPERTY LOCATIONS**  
**POLYCHLORINATED BIPHENYLS**

SAMPLE LOCATION	McKay Field Property				CONTRACT REQUIRED DETECTION LIMIT	RECOMMENDED SOIL CLEANUP OBJECTIVES
	MK-1	MK-2	MK-3	MK-4		
SAMPLE IDENTIFICATION	MK-1	MK-2	MK-3	MK-4		
SAMPLE DEPTH	0 - 2"	0 - 2"	0 - 2"	0 - 2"		
DATE OF COLLECTION	3/05/02	3/05/02	3/05/02	3/05/02		
DILUTION FACTOR	1	1	1	10		
PERCENT SOLIDS	76	82	66	85		
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/L)	(mg/kg)
Aroclor-1016	U	U	U	U	0.033	---
Aroclor-1221	U	U	U	U	0.067	---
Aroclor-1232	U	U	U	U	0.033	---
Aroclor-1242	U	U	U	U	0.033	---
Aroclor-1248	0.071	1.000	0.460	6.100	0.033	---
Aroclor-1254	0.063	0.740	0.440	U	0.033	---
Aroclor-1260	U	U	U	U	0.033	---
<b>TOTAL PCBs</b>	<b>0.134</b>	<b>1.740</b>	<b>0.900</b>	<b>6.100</b>		<b>1/10 *</b>

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**Notes:**

--- : Not established.

\* : Recommended Soil Cleanup Objective is 1 mg/kg for surface soil and 10 mg/kg for subsurface soil.

: Value exceeds the Recommended Soil Cleanup Objective.