Tables

Table 1
Chronology of Regulatory History, Investigations and Remediation
Raytheon Company
Wayland, Massachusetts

No.	Date	Classification	Description	Monitoring Locations	Regulatory Notes
1	01-Nov-80	*Regulatory*	US EPA lists site on CERCLIS due to a "waste storage impoundment" identified in aerial photographs (associated with former sanitary treatment plant)		MAD99068554
2	15-Jan-87	*Regulatory*	US EPA referral of site to MA DEP results in listing of site as "LTBI"		LTBI listing: Site Number 3-1783
3	01-Jul-89	*Investigation*	Sediment samples collected from the Sudbury River adjacent to the facility (USFWS)	GMS-1 through GMS-12	
4	01-Mar-90	*Investigation*	Butyl-cellusolve release from cross-connection (ERM)		
5	01-Apr-90	*Investigation*	Wetlands sediment and surface water samples collected to evaluate butyl-cellusolve release (ERM)	SS-1 through SS-4, SW-1 through SW-4	
6	01-Sep-91	*Investigation*	US EPA Site Screening Report prepared in response to sediment samples collected by USFWS (TRC, 1991)		US EPA Site Screening Report
7	10-Oct-92	*Regulatory*	MA DEP Emergency Response Branch issued ERB-N-92-1340 after removal of a 20,000-gallon UST (Badger, 1992)		ERB-N-92-1340
8	31-Jul-95	*Regulatory*	LSP Opinion (including butyl cellusolve release), Class B-1 RAO for RTN 3-1783 (ERM)		Class B-1 RAO (RTN 3-1783)
9	18-Oct-95	*Investigation*	Phase I activities begin: 9 soil borings, 9 monitoring wells and 4 sediment samples (ERM)	SB-1 to SB-9; MW-1 to MW-9; SD-1 to SD-4	
10	25-Oct-95	*Investigation*	Groundwater sampling conducted on existing monitoring wells (ERM)	MW-1 through MW-9 sampled	
11	31-Oct-95	*Remediation*	Approximately 80 yd^3 of soil removed under a LRA at drywell DW-06 (ERM)	Samples 45375-01 through 05	
12	19-Dec-95	*Remediation*	Approximately 40 yd^3 of soil removed under a LRA at drywell DW-05 and boiler room sump (ERM)	Samples 47131-01 through 05, & #2.13.1	
13	19-Dec-95	*Remediation*	Approximately 30 yd^3 of soil removed under a LRA at drywell DW-01 (ERM)	Samples 47139-1 through 05	
14	21-Dec-95	*Investigation*	Drain line and WAY-09 UST investigation: 2 monitoring wells (ERM)	MW-10 and MW-11	

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Raytheon Company
Wayland, Massachusetts

No.	Date	Classification	Description	Monitoring Locations	Regulatory Notes
15	02-Jan-96	*Regulatory*	RTN 3-13302 issued after 72-hour notification for 0.12 feet of product (MW-11, WAY-02 area); Verbal approval for an IRA		RTN 3-13302
16	23-Jan-96	*Investigation*	Soil and groundwater assessment performed in the courtyard at WAY-02: 10 soil borings and 4 monitoring wells (ERM)	MW-13,-17 to-19; SB-10,-12,-14 to-16,-20 to -24	
17	15-Feb-96	*Investigation*	Soil investigation in field at rear of facility: 7 test pits (ERM)	TP-1 through TP-7	
18	04-Mar-96	*Regulatory*	IRA Completion Statement for RTN 3-13302 (WAY-02) submitted (ERM)		IRAC (RTN 3-13302)
19	06-Mar-96	*Investigation*	Slug tests performed: 2 monitoring wells (ERM)	RAY-01 and MW-13	
20	21-Mar-96	*Investigation*	WAY-02 investigation to evaluate soil and groundwater beneath the building: 5 soil borings, 2 angle wells and 1 monitoring well (ERM)	SB-25 through SB-29; MW-27, MW-28, MW-30	
21	28-Mar-96	*Regulatory*	Ammendment to the IRA Completion Statement for RTN 3-13302 (WAY-02) submitted (ERM)		IRAC Ammendment (RTN 3-13302)
22	28-Mar-96	*Regulatory*	MA DEP issues RTN 3-13574 after 120-day notification for VOCs in groundwater exceeding reportable concentrations (RC GW-1)		RTN 3-13574
23	07-May-96	*Remediation*	1,000-gallon #2 fuel oil UST (WAY-09) removed: 7 closure samples collected (Triumvirate Environmental)	Floor, wall and stockpile (#1-7)	
24	21-May-96	*Regulatory*	Phase I Report submitted to MA DEP for RTN 3-13302 and 3-13574 (ERM)		Phase I submittal (RTN 3-13302, 3-13574)
25	01-Jun-96	*Remediation*	Sediment and soil excavated from stormwater catch basin (CB 2.22) for PCB removal (Laidlaw)		
26	25-Jul-96	*Regulatory*	RNF submitted under 120-day notification for PCBs in soil exceeding reportable concentrations (RC S-1) (ERM)		RNF submittal (RTN 3-14042)
27	30-Jul-96	*Investigation*	TP-3, VOC and PCB soil and groundwater assessment: 12 soil borings and 1 monitoring well (ERM)	MW-31, MW-TP3; SB-N, SB-S, SB-E, SB-W	

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Raytheon Company
Wayland, Massachusetts

No.	Date	Classification	Description	Monitoring Locations	Regulatory Notes
28	01-Aug-96	*Remediation*	3 drums of solid waste and 15 drums of fluids removed from stormwater manhole (W-4); subsequent seepage water sampling indicated TCE, cis-1,2-DCE and butyl cellusolve; bottom of manhole subsequently sealed (CHI)		
29	01-Aug-96	*Investigation*	9 wipe samples collected from stormwater drainage system, PCBs detected in wipe sample from catch basin W-4; stormwater drainage system cleaned, rinsate and sediment samples collected from OF-1 and OF-2 indicated presence of PCBs and metals (CHI)		
30	06-Aug-96	*Regulatory*	MA DEP issues RTN 3-14042 in response to an RNF submitted on 25 July 1996		RTN 3-14042
31	28-Aug-96	*Regulatory*	Results of Assessment and IH Evaluation for RTN 3-14042 (ERM)		IH Evaluation submittal (3-14042)
32	04-Oct-96	*Regulatory*	RAM Plan submitted for PCB excavation at TP-3 (ERM)		RAM Plan Submittal (3-14042)
33	06-Nov-96	*Remediation*	PCB RAM implemented: 15 closure samples collected (ERM)	E3-CS-#1-3, E3-CB-1; E1A-CS-#1-3, E1A-CB-1; E2-CS-#1-3, E2-CB-1; E1-CS-#1-3, E1-CB-1	
34	04-Dec-96	*Investigation*	Additional groundwater investigation inside Building #4 downgradient of UST: 3 monitoring wells installed (ERM)	BW-1,BW -2,BW -3	
35	02-Jan-97	*Regulatory*	Tier Classification Submittal and Tier IB Permit Application (ERM)		NRS, Tier Classification and Tier IB Permit Application (RTN 3-13302, 3-13574, 3-14042) submitted
36	30-Jan-97	*Regulatory*	Phase I Report (Update) submitted to MA DEP for RTN 3-13302 and 3-13574 (ERM)		Phase I update submittal (RTN 3-13302, 3-13574)

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No.	Date	Classification	Description	Monitoring Locations	Regulatory Notes
37	19-Feb-97	*Regulatory*	RAM Completion Statement submitted for RTN 3-14042 documenting removal of 50 yd^3 of OHM-impacted soil at TP-3 (ERM)		RAM Completion Statement (RTN 3-14042)
38	17-Apr-97	*Regulatory*	Supplemental Information - Tier IB Permit Application (ERM)		
39	28-May-97	*Regulatory*	MA DEP issues a Tier IB Permit #133939 for the site		Tier IB Permit #133939
40	01-Oct-97		Wayland Meadows purchases the property		
41	21-Oct-97		Wayland Meadows files Notice of AUL on approximately 80-acre portion of the property as well as Easement & Restriction Agreement for Raytheon		
42	01-Dec-97		WBC purchases the property		
43	08-Jan-98	*Investigation*	4 monitoring wells installed as part of a hydrogeologic investigation for WBC; slug test performed (H&A)	HA-101 through 104	
44	27-Feb-98	*Regulatory*	Phase II SOW submitted to MA DEP (ERM)		Phase II SOW submitted (RTN 3-13302, 3-13574, & 3-14042)
45	05-Mar-98	*Regulatory*	RAM Plan submitted for removal of WAY-02 (ERM)		RAM Plan Submittal (3-13302)
46	11-May-98	*Investigation*	Phase II field activities begin at the site: 17 test pits excavated to evaluate for OHM release, 12 monitoring wells installed to delineate extent of impact; Comprehensive round of groundwater sampling (ERM)	TP-8 through TP-24; MW-32, MW-33S, MW-33M, MW-34, MW-35, MW-36, MW-37, MW-38, MW-39, MW-40, MW-40S, MW-41	
47	09-Jun-98	*Investigation*	Slug tests performed: 10 monitoring wells (ERM)	MW-32, MW-33S, MW-33M, MW-35, MW-36, MW-37, MW-39, MW-40, MW-40S, MW-41	

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No.	Date	Classification	Description	Monitoring Locations	Regulatory Notes
48	30-Jun-98	*Regulatory*	120-day RAM status report submitted for WAY-02 (ERM)		120-day RAM Status Report RTN (3-13302)
49	21-Aug-98		US EPA issues draft SIP report		
50	04-Sep-98	*Regulatory*	MA DEP issues NPDES discharge permit for discharge of treated sanitary wastewater		NPDES Permit No. MA0039853
51	02-Nov-98	*Investigation*	13 monitoring wells installed to evaluate chlorinated hydrocarbons in groundwater, 53 wetlands sediment samples collected; Comprehensive round of groundwater sampling (ERM)	MW-37M,-42S,-43S,-44S,-44M,-44D,-45S,-45M,-46S,-46M,-47S,-47M,-47D; Wetlands samples*	
52	29-Mar-99	*Regulatory*	Notification of Delay for Phase II/III reports submitted to MA DEP - new deadline 21 May 2000 (ERM)		Phase II/III Delay (RTN 3 13302, 3-13574, 3-14042)
53	13-Apr-99		WBC files Notice of AUL on approximately 0.8-acre portion of property		
54	14-May-99	*Regulatory*	Class A-3 RAO Statement and RAM Completion Statement completed for RTN 3-13302 documenting remedial activities for WAY-02 (H&A)		RAO/RAM Completion (3-13302)
55	30-Jun-99	*Regulatory*	Wetlands sediment analytical data from the November 1998 sampling round submitted to MA DEP (ERM)		Wetlands data submission
56	01-Jul-99	*Investigation*	Comprehensive round of groundwater sampling (ERM)		
57	09-Aug-99	*Investigation*	2 deep overburden monitoring wells installed to evaluate vertical extent of impacts from chlorinated hydrocarbons (ERM)	MW-33D, and MW-45D	
58	01-Sep-99	*Investigation*	Partial round of groundwater sampling (ERM)		

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59	20-Sep-99	*Regulatory*	Phase II SOW Addendum #1 submitted to MA DEP for sediment and surface water sampling (ERM)		Phase II SOW, Addendum #1
60	06-Oct-99	*Investigation*	63 sediment samples collected in support of wetlands PCB delineation (ERM)	Wetlands samples*	
61	13-Oct-99	*Investigation*	Slug tests performed: 8 monitoring wells (ERM)	MW-33D, MW-45D, MW-45S, MW-46M, MW-46S, MW-47D, MW-47M, MW-47S	
62	25-Oct-99		Town of Wayland acquires IWWTP plant and NPDES permit under imminent domain		
63	01-Nov-99	*Investigation*	62 sediment samples collected in support of wetlands PCB delineation (ERM)	Wetlands samples*	
64	21-Mar-00	*Investigation*	2 bedrock and 1 deep overburden monitoring wells installed to evaluate vertical extent of impacts from chlorinated hydrocarbons (ERM)	MW-33B, MW-45B, MW-43D	
65	01-Apr-00	*Investigation*	Comprehensive round of groundwater sampling (ERM)		
66	24-Apr-00	*Regulatory*	Notification of Delay for Phase II/III reports submitted to MA DEP - new deadline 13 December 2000 (ERM)		Phase II/III delay (RTN 3-13574, 3-14042)
67	25-Apr-00	*Investigation*	Slug tests performed: 12 monitoring wells (ERM)	MW-33B, MW-33D, MW-37, MW-37M, MW-43D, MW-43S, MW-45M, MW-45S, MW-46S, MW-47D, MW-47S	
68	28-Apr-00	*Regulatory*	IRA Plan for ARAH in wetlands submitted (ERM)		IRA Plan submission
69	09-May-00	*Regulatory*	MA DEP issues NOR (RTN 3-19482) for ARAH in wetlands		RTN-19482
70	25-May-00	*Regulatory*	Major Permit Modification submitted - Tier IB to Tier IA (ERM)		Major Permit Modification Application
71	24-Jun-00	*Regulatory*	Raytheon lists site as PIP site		

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No.	Date	Classification	Description	Monitoring Locations	Regulatory Notes
72	26-Jun-00	*Regulatory*	RNF, IH Evaluation and IRA Plan for ARAH in wetlands submitted (ERM)		RNF, IH Evaluation, IRA Plan submission (RTN-19482)
73	30-Jun-00	*Regulatory*	MA DEP issues Approval of Proposed and/or Continuing Response Actions (RTN 3-13302)		
74	01-Jul-00	*Investigation*	Partial round of groundwater sampling (ERM)		
75	11-Jul-00	*Investigation*	Step drawdown tests performed: 4 monitoring wells (ERM)	MW-33S, MW-43S, MW-45M, MW-47M	
76	10-Nov-00	*Regulatory*	Final PIP submitted (ERM)		PIP Submitted
77	11-Oct-00	*Investigation*	16 soil and 2 groundwater samples collected to evaluate planned development of daycare facility at Buildings 12/21 (HA)	HA SS-1 through HA SS-13, HA SS-6A through HA SS-6C, MW-41, HA-102	
78	28-Nov-00	*Regulatory*	Tier IB permit issued		Tier IB Permit issued

Table 2a
Summary of Soil VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. / Date Sampled / Depth / Comments	SB-1 13-Oct-95 3.5-5.5' DW-01	SB-3 S1 20-Oct-95 6-8' DW-03	SB-4 24-Oct-95 NI DW-04	SB-8 S1 20-Oct-95 4.5-6.5' DW-05	MW-40 13-May-98 8-12' DW-05	MH-13 10-Jun-95 NI DW-06
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)			-			-	
Naphthalene		-		-	-		-
Ethylbenzene		-		-	-		-
Xylenes		-		-	-		-
Methylene chloride		**10B**		9B	-		**15B**
Tetrachloroethene		-		-	**90**		-
1,2,4-Trichlorobenzene		-		-	**110**		-
1,2-Dichlorobenzene		-		-	-		-
Isopropylbenzene		-		-	-		-
n-Propylbenzene		-		-	-		-
p-Isopropyltoluene		-		-	-		-
n-Butylbenzene		-		-	-		-
sec-Butylbenzene		-		-	-		-
1,3,5-Trimethylbenzene		-		-	-		-
1,2,4-Trimethylbenzene		-		-	-		-

Notes:

- = Analytical result below the method detection limit.
B = Compound detected in blank, not included in analysis.
NI = No Information.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Soils removed in prior remedial response action.

Table 2a
Summary of Soil VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. / Date Sampled / Depth / Comments	MW-11 S4 21-Dec-95 14-16' WAY-02	MW-20 S5 25-Jan-96 11-13' WAY-02	BW-1 S7 3-Dec-96 12-14' WAY-02	BW-2 S7 4-Dec-96 12-14' WAY-02	BW-3 S7 4-Dec-96 12-14' WAY-02	BLD3SS-1 30-Jun-98 6-13' WAY-02
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)				-	-	-	-
Naphthalene		**70,000**	**460**				
Ethylbenzene		**7,400**	**-**				
Xylenes		**79,000**	**-**				
Methylene chloride		**-**	**-**				
Tetrachloroethene		**-**	**-**				
1,2,4-Trichlorobenzene		**-**	**-**				
1,2-Dichlorobenzene		**6,700**	**-**				
Isopropylbenzene		**7,600**	**-**				
n-Propylbenzene		**-**	**-**				
p-Isopropyltoluene		**8,700**	**31**				
n-Butylbenzene		**-**	**66**				
sec-Butylbenzene		**6,700**	**-**				
1,3,5-Trimethylbenzene		**44,000**	**55**				
1,2,4-Trimethylbenzene		**160,000**	**140**				

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Table 2a
Summary of Soil VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	BLD3SS-1 30-Jun-98 12.5' WAY-02	BLD3SS-2 2-Jul-98 6-15' WAY-02	BLD3SS-3 2-Jul-98 5-13' WAY-02	BLD3SS-4 15-Jul-98 14' WAY-02	EXCFLR-1 8-Jul-98 16' WAY-02	EXCFLR-2 8-Jul-98 17' WAY-02
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)			-	-			
Naphthalene		-			-	-	-
Ethylbenzene		-			7,900	-	2,000
Xylenes		2,000			18,000	1,000	9,500
Methylene chloride		-			-	-	-
Tetrachloroethene		-			-	-	-
1,2,4-Trichlorobenzene		-			-	-	-
1,2-Dichlorobenzene		-			-	-	-
Isopropylbenzene		-			-	-	-
n-Propylbenzene		-			-	-	-
p-Isopropyltoluene		-			-	-	-
n-Butylbenzene		-			-	-	-
sec-Butylbenzene		-			-	-	-
1,3,5-Trimethylbenzene		-			-	-	-
1,2,4-Trimethylbenzene		-			-	-	-

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Table 2a
Summary of Soil VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCFLR-3 10-Jul-98 17' WAY-02	EXCFLR-4 10-Jul-98 16' WAY-02	EXCFLR-5 10-Jul-98 16' WAY-02	EXCFLR-6 13-Jul-98 18' WAY-02	EXCFLR-7 13-Jul-98 18' WAY-02	EXCFLR-8 17-Jul-98 19' WAY-02
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)				-			
Naphthalene		-			-	-	-
Ethylbenzene		-	3,000		-	170	9,400
Xylenes		15	7,800		2,200	390	38,700
Methylene chloride		-	-		-	-	-
Tetrachloroethene		-	-		-	34	-
1,2,4-Trichlorobenzene		-	-		-	-	-
1,2-Dichlorobenzene		-	-		-	-	-
Isopropylbenzene		-	-		-	-	-
n-Propylbenzene		-	-		-	-	-
p-Isopropyltoluene		-	-		-	-	-
n-Butylbenzene		-	-		-	-	-
sec-Butylbenzene		-	-		-	-	-
1,3,5-Trimethylbenzene		-	-		-	-	-
1,2,4-Trimethylbenzene		-	-		-	-	-

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Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCFLR-9 17-Jul-98 16' WAY-02	EXCFLR-10 17-Jul-98 16' WAY-02	EXCWALL-1 8-Jul-98 0-15' WAY-02	EXCWALL-2 8-Jul-98 0-16' WAY-02	EXCWALL-3 10-Jul-98 0-16' WAY-02	EXCWALL-4 17-Jul-98 0-16' WAY-02
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)		-	-	-	-		-
Naphthalene						-	
Ethylbenzene						400	
Xylenes						960	
Methylene chloride						-	
Tetrachloroethene						-	
1,2,4-Trichlorobenzene						-	
1,2-Dichlorobenzene						-	
Isopropylbenzene						-	
n-Propylbenzene						-	
p-Isopropyltoluene						-	
n-Butylbenzene						-	
sec-Butylbenzene						-	
1,3,5-Trimethylbenzene						-	
1,2,4-Trimethylbenzene						-	

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Parameter	Sample I.D. Date Sampled Depth Comments	EXCWALL-5 17-Jul-98 0-16' WAY-02	EXCWALL-6 20-Jul-98 9-14' WAY-02	SB-12 S7 23-Jan-96 13-15' WAY-09	#6 Stock Pile B 7-May-96 NI WAY-09	TP-3 S1 15-Mar-96 0-2' Rge Hse #8	TP-3 S3 2-Apr-96 3' Rge Hse #8
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)		-	-	-	-		-
Naphthalene						-	
Ethylbenzene						-	
Xylenes						-	
Methylene chloride						-	
Tetrachloroethene						-	
1,2,4-Trichlorobenzene						370	
1,2-Dichlorobenzene						-	
Isopropylbenzene						-	
n-Propylbenzene						29,000	
p-Isopropyltoluene						-	
n-Butylbenzene						-	
sec-Butylbenzene						-	
1,3,5-Trimethylbenzene						-	
1,2,4-Trimethylbenzene						-	

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Parameter	Sample I.D. Date Sampled Depth Comments	TP-6, S-1 15-Mar-96 7-9' Rge Hse #15	BLRMSS-1 30-Jun-98 7-14' Boiler Rm	MW-33 13-May-98 10-14' HWSA
Organics				
Volatile Organic Compounds (VOCs) (µg/kg)		-	-	-
Naphthalene				
Ethylbenzene				
Xylenes				
Methylene chloride				
Tetrachloroethene				
1,2,4-Trichlorobenzene				
1,2-Dichlorobenzene				
Isopropylbenzene				
n-Propylbenzene				
p-Isopropyltoluene				
n-Butylbenzene				
sec-Butylbenzene				
1,3,5-Trimethylbenzene				
1,2,4-Trimethylbenzene				

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Parameter	Sample I.D. / Date Sampled / Depth / Comments	SB-9 13-Oct-95 3.5-5.5' Bldg #12/21	HA SS-1 11-Oct-00 0-3' Bldg #12/21	HA SS-2 11-Oct-00 0-3' Bldg #12/21	HA SS-3 11-Oct-00 0-3' Bldg #12/21	HA SS-4 11-Oct-00 0-3' Bldg #12/21	HA SS-5 11-Oct-00 0-3' Bldg #12/21
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)			-	-	-	-	-
Naphthalene		-					
Ethylbenzene		-					
Xylenes		-					
Methylene chloride		14B					
Tetrachloroethene		-					
1,2,4-Trichlorobenzene		-					
1,2-Dichlorobenzene		-					
Isopropylbenzene		-					
n-Propylbenzene		-					
p-Isopropyltoluene		-					
n-Butylbenzene		-					
sec-Butylbenzene		-					
1,3,5-Trimethylbenzene		-					
1,2,4-Trimethylbenzene		-					

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Summary of Soil VOC Analytical Results
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Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-6 11-Oct-00 0-3' Bldg #12/21	HA SS-7 11-Oct-00 0-3' Bldg #12/21	HA SS-7 dup 11-Oct-00 0-3' Bldg #12/21	HA SS-8 11-Oct-00 0-3' Bldg #12/21	HA SS-9 11-Oct-00 0-3' Bldg #12/21	HA SS-10 11-Oct-00 0-3' Bldg #12/21
Organics							
Volatile Organic Compounds (VOCs) (µg/kg)		-	-	-	-	-	-
Naphthalene							
Ethylbenzene							
Xylenes							
Methylene chloride							
Tetrachloroethene							
1,2,4-Trichlorobenzene							
1,2-Dichlorobenzene							
Isopropylbenzene							
n-Propylbenzene							
p-Isopropyltoluene							
n-Butylbenzene							
sec-Butylbenzene							
1,3,5-Trimethylbenzene							
1,2,4-Trimethylbenzene							

Notes:

- = Analytical result below the method detection limit.
B = Compound detected in blank, not included in analysis.
NI = No Information.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Soils removed in prior remedial response action.

Table 2a
Summary of Soil VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-11 11-Oct-00 0-3' Bldg #12/21	HA SS-12 11-Oct-00 0-3' Bldg #12/21	HA SS-13 11-Oct-00 0-3' Bldg #12/21	HA SS-13 dup 11-Oct-00 0-3' Bldg #12/21
Organics					
Volatile Organic Compounds (VOCs) (µg/kg)		-	-	-	-
Naphthalene					
Ethylbenzene					
Xylenes					
Methylene chloride					
Tetrachloroethene					
1,2,4-Trichlorobenzene					
1,2-Dichlorobenzene					
Isopropylbenzene					
n-Propylbenzene					
p-Isopropyltoluene					
n-Butylbenzene					
sec-Butylbenzene					
1,3,5-Trimethylbenzene					
1,2,4-Trimethylbenzene					

Notes:

- = Analytical result below the method detection limit.
B = Compound detected in blank, not included in analysis.
NI = No Information.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-1 13-Oct-95 3.5-5.5' DW-01	47139-01 19-Dec-95 NI DW-01	47139-02 19-Dec-95 NI DW-01	47139-03 19-Dec-95 NI DW-01	47139-04 19-Dec-95 NI DW-01	47139-05 19-Dec-95 NI DW-01
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)			-	-	-	-	-
Acenaphthene		-					
Acenaphthylene		-					
Anthracene		-					
Benzo (a) anthracene		**3,200**					
Benzo (a) pyrene		**2,900**					
Benzo (b) fluoranthene		**2,900**					
Benzo (g,h,i) perylene		-					
Benzo (k) fluoranthene		-					
Chrysene		**3,100**					
Dibenzo (a,h) anthracene		-					
Fluoranthene		**4,300**					
Fluorene		-					
Indeno(1,2,3-cd) pyrene		-					
Naphthalene		-					
2-Methylnaphthalene		-					
Phenanthrene		-					
Pyrene		**5,100**					
Pentachlorobenzene		-					
Tetrachlorobenzene		-					
Trichlorobenzene-1,2,4		-					
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	-	-	-	-	-

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-2 S2 20-Oct-95 2.5-4.5' DW-02	SB-3 S1 20-Oct-95 6-8' DW-03	SB-4 24-Oct-95 NI DW-04	SB-8 S1 20-Oct-95 4.5-6.5' DW-05	SB-8 S2 13-Oct-95 6.5-8.5' DW-05	SB-8 S3 13-Oct-95 8.5-10.5' DW-05
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	-	-		***NA***	***NA***
Acenaphthene					-		
Acenaphthylene					-		
Anthracene					-		
Benzo (a) anthracene					-		
Benzo (a) pyrene					-		
Benzo (b) fluoranthene					**1,500**		
Benzo (g,h,i) perylene					-		
Benzo (k) fluoranthene					-		
Chrysene					-		
Dibenzo (a,h) anthracene					-		
Fluoranthene					-		
Fluorene					-		
Indeno(1,2,3-cd) pyrene					-		
Naphthalene					**640**		
2-Methylnaphthalene					-		
Phenanthrene					-		
Pyrene					**1,200**		
Pentachlorobenzene					**17,000**		
Tetrachlorobenzene					**13,000**		
Trichlorobenzene-1,2,4					**5,700**		
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-			
Arochlor 1254					-	-	-
Arochlor 1260					**240,000**	**4,000**	**630**
Organochlorine Pesticides (µg/kg)		*NA*	-	*NA*	***NA***	***NA***	***NA***

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-8 S4 13-Oct-95 10.5-12.5' DW-05	SB-8A S3 13-Oct-95 4.5-6.5' DW-05	SB-8A S5 13-Oct-95 8.5-10.5' DW-05	47131-01 19-Dec-95 NI DW-05	47131-02 19-Dec-95 NI DW-05	47131-03 19-Dec-95 NI DW-05
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		-	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	47131-04 19-Dec-95 NI DW-05	47131-05 19-Dec-95 NI DW-05	SB-5 S4 20-Oct-95 6.5-8.5' DW-06	MH-13 10-Jun-95 NI DW-06	MH-13 10-Jul-95 NI DW-06	45375-01 30-Oct-95 NI DW-06
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	***NA***	***NA***	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-			-
Arochlor 1254					**-**	**6,700**	
Arochlor 1260					**12,000**	**-**	
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	***NA***	***NA***	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	45375-02 30-Oct-95 NI DW-06	45375-03 30-Oct-95 NI DW-06	45375-04 30-Oct-95 NI DW-06	45375-05 30-Oct-95 NI DW-06	BW-1 S7 3-Dec-96 12-14' WAY-02	BW-2 S7 4-Dec-96 12-14' WAY-02
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	BW-3 S7 4-Dec-96 12-14' WAY-02	BLD3SS-4 15-Jul-98 14' WAY-02	EXCFLR-1 8-Jul-98 16' WAY-02	EXCFLR-2 8-Jul-98 17' WAY-02	EXCFLR-3 10-Jul-98 17' WAY-02	EXCFLR-4 10-Jul-98 16' WAY-02
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*				-	
Acenaphthene			10,000	-	18,000		2,200
Acenaphthylene			5,900	-	-		5,800
Anthracene			3,000	-	-		13,000
Benzo (a) anthracene			3,500	-	-		1,900
Benzo (a) pyrene			-	-	-		2,800
Benzo (b) fluoranthene			2,800	-	-		560
Benzo (g,h,i) perylene			-	-	-		900
Benzo (k) fluoranthene			5,600	-	-		2,100
Chrysene			11,000	-	10,000		-
Dibenzo (a,h) anthracene			-	-	-		-
Fluoranthene			7,700	-	-		7,300
Fluorene			15,000	1,100	20,000		6,400
Indeno(1,2,3-cd) pyrene			-	-	-		-
Naphthalene			11,000	910	20,000		8,200
2-Methylnaphthalene			50,000	5,300	130,000		32,000
Phenanthrene			16,000	960	20,000		3,900
Pyrene			10,000	-	-		13,000
Pentachlorobenzene			-	-	-		-
Tetrachlorobenzene			-	-	-		-
Trichlorobenzene-1,2,4			-	-	-		-
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	*NA*	*NA*	*NA*	*NA*	*NA*
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCFLR-5 10-Jul-98 16' WAY-02	EXCFLR-6 13-Jul-98 18' WAY-02	EXCFLR-7 13-Jul-98 18' WAY-02	EXCFLR-8 17-Jul-98 19' WAY-02	EXCFLR-9 17-Jul-98 16' WAY-02	EXCFLR-10 17-Jul-98 16' WAY-02
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)							-
Acenaphthene		770	5,400	1,100	11,000	-	
Acenaphthylene		-	2,700	-	-	-	
Anthracene		-	14,000	-	-	-	
Benzo (a) anthracene		-	1,500	-	-	-	
Benzo (a) pyrene		-	3,300	-	-	-	
Benzo (b) fluoranthene		730	5,800	-	-	-	
Benzo (g,h,i) perylene		-	-	-	-	-	
Benzo (k) fluoranthene		-	2,800	-	-	-	
Chrysene		690	1,000	640	-	-	
Dibenzo (a,h) anthracene		-	2,300	-	-	-	
Fluoranthene		780	5,500	910	-	-	
Fluorene		1,800	6,200	1,400	15,000	-	
Indeno(1,2,3-cd) pyrene		-	-	-	-	-	
Naphthalene		1,200	7,300	1,300	9,700	-	
2-Methylnaphthalene		6,600	34,000	5,500	64,000	870	
Phenanthrene		2,900	2,400	2,200	19,000	-	
Pyrene		1,100	3,200	1,700	-	-	
Pentachlorobenzene		-	-	-	-	-	
Tetrachlorobenzene		-	-	-	-	-	
Trichlorobenzene-1,2,4		-	-	-	-	-	
Polychlorinated Biphenyls (PCBs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCWALL-1 8-Jul-98 0-15' WAY-02	EXCWALL-2 8-Jul-98 0-16' WAY-02	EXCWALL-3 10-Jul-98 0-16' WAY-02	EXCWALL-4 17-Jul-98 0-16' WAY-02	EXCWALL-5 17-Jul-98 0-16' WAY-02	EXCWALL-6 20-Jul-98 9-14' WAY-02
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)			-	-	-		-
Acenaphthene		-				-	
Acenaphthylene		-				-	
Anthracene		-				-	
Benzo (a) anthracene		580				750	
Benzo (a) pyrene		660				780	
Benzo (b) fluoranthene		640				710	
Benzo (g,h,i) perylene		-				-	
Benzo (k) fluoranthene		-				-	
Chrysene		670				850	
Dibenzo (a,h) anthracene		-				-	
Fluoranthene		830				1,400	
Fluorene		-				-	
Indeno(1,2,3-cd) pyrene		-				-	
Naphthalene		-				-	
2-Methylnaphthalene		-				-	
Phenanthrene		-				560	
Pyrene		820				1,400	
Pentachlorobenzene		-				-	
Tetrachlorobenzene		-				-	
Trichlorobenzene-1,2,4		-				-	
Polychlorinated Biphenyls (PCBs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-7 S4 24-Oct-95 NI WAY-08	#6 Stock Pile B 7-May-96 NI WAY-09	TP-3 6-May-96 NI TP-3	TP-3 CAP MTRI 21-May-96 Surface TP-3	TP-3A 23-May-96 1.5' TP-3	TP-3C 27-May-96 1.5' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	***NA***	***NA***	***NA***	***NA***	***NA***
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	**-**				
Arochlor 1254				**-**	**-**	**-**	**-**
Arochlor 1260				**310,000**	**810,000**	**10,000**	**10,000**
Organochlorine Pesticides (µg/kg)		*NA*	***NA***	***NA***	***NA***	***NA***	***NA***

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	TP-3H 23-May-96 1.5' TP-3	TP-3 (C-1) 24-May-96 NI TP-3	TP-3 (C-2) 24-May-96 NI TP-3	MW-TP3 S1 30-Jul-96 0-2' TP-3	MW-TP3 S2 30-Jul-96 2-4' TP-3	MW-TP3 S3 30-Jul-96 4-6' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)							
Arochlor 1254		-	-	-	-	-	-
Arochlor 1260		**14,000**	**1,050,000**	**850,000**	**1,100,000**	**26,000**	**29,000**
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-N1 S1 30-Jul-96 0-2' TP-3	SB-N1 S2 30-Jul-96 2-4' TP-3	SB-N1 S3 30-Jul-96 4-6' TP-3	SB-N2 S1 30-Jul-96 0-2' TP-3	SB-N2 S2 30-Jul-96 2-4' TP-3	SB-N2 S3 30-Jul-96 4-6' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)			**-**		-	-	-
Arochlor 1254		**-**		**-**			
Arochlor 1260		**1,300,000**		**590**			
Organochlorine Pesticides (µg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-N3 S1 30-Jul-96 0-2' TP-3	SB-N3 S2 30-Jul-96 2-4' TP-3	SB-N3 S3 30-Jul-96 4-6' TP-3	SB-E1 S1 30-Jul-96 0-2' TP-3	SB-E1 S2 30-Jul-96 2-4' TP-3	SB-E1 S3 30-Jul-96 4-6' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-			-
Arochlor 1254					-	-	
Arochlor 1260					610	350	
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-E2 S1 30-Jul-96 0-2' TP-3	SB-E2 S2 30-Jul-96 2-4' TP-3	SB-E2 S3 30-Jul-96 4-6' TP-3	SB-E3 S1 30-Jul-96 0-2' TP-3	SB-E3 S2 30-Jul-96 2-4' TP-3	SB-E3 S3 30-Jul-96 4-6' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)			-	-	-	-	-
Arochlor 1254		-					
Arochlor 1260		1,800					
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-S1 S1 30-Jul-96 0-2' TP-3	SB-S1 S2 30-Jul-96 2-4' TP-3	SB-S1 S3 30-Jul-96 4-6' TP-3	SB-S2 S1 30-Jul-96 0-2' TP-3	SB-S2 S2 30-Jul-96 2-4' TP-3	SB-S2 S3 30-Jul-96 4-6' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)			**-**	**-**	-	-	-
Arochlor 1254		**-**					
Arochlor 1260		**1,100**					
Organochlorine Pesticides (µg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-S3 S1 30-Jul-96 0-2' TP-3	SB-S3 S2 30-Jul-96 2-4' TP-3	SB-S3 S3 30-Jul-96 4-6' TP-3	SB-W1 S1 30-Jul-96 0-2' TP-3	SB-W1 S2 30-Jul-96 2-4' TP-3	SB-W1 S3 30-Jul-96 4-6' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-W2 S1 30-Jul-96 0-2' TP-3	SB-W2 S2 30-Jul-96 2-4' TP-3	SB-W2 S3 30-Jul-96 4-6' TP-3	SB-W3 S1 30-Jul-96 0-2' TP-3	SB-W3 S2 30-Jul-96 2-4' TP-3	SB-W3 S3 30-Jul-96 4-6' TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	E1A-CB-1 6-Nov-96 NI TP-3	E1A-CS-1 6-Nov-96 NI TP-3	E1A-CS-2 6-Nov-96 NI TP-3	E1A-CS-3 6-Nov-96 NI TP-3	E1-CB-1 6-Nov-96 NI TP-3	E1-CS-2 6-Nov-96 NI TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	E1-CS-3 6-Nov-96 NI TP-3	E2-CB-1 6-Nov-96 NI TP-3	E2-CS-1 6-Nov-96 NI TP-3	E2-CS-2 6-Nov-96 NI TP-3	E2-CS-3 6-Nov-96 NI TP-3	E3-CB-1 6-Nov-96 NI TP-3
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)			-	-	-	-	-
Arochlor 1254		-					
Arochlor 1260		810					
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	E3-CS-1 6-Nov-96 NI TP-3	E3-CS-2 6-Nov-96 NI TP-3	E3-CS-3 6-Nov-96 NI TP-3	2.13-1 16-Nov-95 NI Boiler Rm	47131-08 18-Dec-95 NI Boil Rm Sump
Organics						
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	***NA***	*NA*
Acenaphthene						
Acenaphthylene						
Anthracene						
Benzo (a) anthracene						
Benzo (a) pyrene						
Benzo (b) fluoranthene						
Benzo (g,h,i) perylene						
Benzo (k) fluoranthene						
Chrysene						
Dibenzo (a,h) anthracene						
Fluoranthene						
Fluorene						
Indeno(1,2,3-cd) pyrene						
Naphthalene						
2-Methylnaphthalene						
Phenanthrene						
Pyrene						
Pentachlorobenzene						
Tetrachlorobenzene						
Trichlorobenzene-1,2,4						
Polychlorinated Biphenyls (PCBs)(µg/kg)		-				-
Arochlor 1254			-	-	**-**	
Arochlor 1260			330	310	**3,200**	
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	***NA***	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	TP-8 11-May-98 5-6' Bldg #2	TP-9 11-May-98 5-6' Bldg #2	TP-10 11-May-98 4-5' Bldg #2	TP-11 11-May-98 6' Bldg #2	TP-12 11-May-98 6-8' Bldg #2	TP-13 11-May-98 5-6' Bldg #2
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	TP-14 11-May-98 4-5' Bldg #2	TP-15 11-May-98 4-5' Bldg #2	TP-16 11-May-98 4-5' Bldg #2	TP-17 11-May-98 4-5' Bldg #2	TP-18 11-May-98 6-7' Bldg #2
Organics						
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene						
Acenaphthylene						
Anthracene						
Benzo (a) anthracene						
Benzo (a) pyrene						
Benzo (b) fluoranthene						
Benzo (g,h,i) perylene						
Benzo (k) fluoranthene						
Chrysene						
Dibenzo (a,h) anthracene						
Fluoranthene						
Fluorene						
Indeno(1,2,3-cd) pyrene						
Naphthalene						
2-Methylnaphthalene						
Phenanthrene						
Pyrene						
Pentachlorobenzene						
Tetrachlorobenzene						
Trichlorobenzene-1,2,4						
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-
Arochlor 1254						
Arochlor 1260						
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-9 13-Oct-95 3.5-5.5' Bldg #12/21	HA-1 15-Nov-95 0.5-1' Bldg #12/21	HA SS-1 11-Oct-00 0-3' Bldg #12/21	HA SS-2 11-Oct-00 0-3' Bldg #12/21	HA SS-3 11-Oct-00 0-3' Bldg #12/21	HA SS-4 11-Oct-00 0-3' Bldg #12/21
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		-	*NA*	-	-	-	-
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-		-	-	-
Arochlor 1254				-			
Arochlor 1260				140			
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-5 11-Oct-00 0-3' Bldg #12/21	HA SS-6 11-Oct-00 0-3' Bldg #12/21	HA SS-6A 27-Oct-00 0-3' Bldg #12/21	HA SS-6B 27-Oct-00 0-3' Bldg #12/21	HA SS-6C 27-Oct-00 0-3' Bldg #12/21	HA SS-7 11-Oct-00 0-3' Bldg #12/21
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		-		-	-	-	-
Acenaphthene			-				
Acenaphthylene			-				
Anthracene			-				
Benzo (a) anthracene			430				
Benzo (a) pyrene			450				
Benzo (b) fluoranthene			550				
Benzo (g,h,i) perylene			-				
Benzo (k) fluoranthene			-				
Chrysene			360				
Dibenzo (a,h) anthracene			-				
Fluoranthene			960				
Fluorene			-				
Indeno(1,2,3-cd) pyrene			-				
Naphthalene			-				
2-Methylnaphthalene			-				
Phenanthrene			480				
Pyrene			720				
Pentachlorobenzene			-				
Tetrachlorobenzene			-				
Trichlorobenzene-1,2,4			-				
Polychlorinated Biphenyls (PCBs)(µg/kg)		-		*NA*	*NA*	*NA*	-
Arochlor 1254			510				
Arochlor 1260			740				
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-7 dup 11-Oct-00 0-3' Bldg #12/21	HA SS-8 11-Oct-00 0-3' Bldg #12/21	HA SS-9 11-Oct-00 0-3' Bldg #12/21	HA SS-10 11-Oct-00 0-3' Bldg #12/21	HA SS-11 11-Oct-00 0-3' Bldg #12/21	HA SS-12 11-Oct-00 0-3' Bldg #12/21
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		-	-	-	-		-
Acenaphthene						-	
Acenaphthylene						-	
Anthracene						-	
Benzo (a) anthracene						920	
Benzo (a) pyrene						1,000	
Benzo (b) fluoranthene						1,200	
Benzo (g,h,i) perylene						450	
Benzo (k) fluoranthene						450	
Chrysene						740	
Dibenzo (a,h) anthracene						-	
Fluoranthene						1,800	
Fluorene						-	
Indeno(1,2,3-cd) pyrene						480	
Naphthalene						-	
2-Methylnaphthalene						-	
Phenanthrene						450	
Pyrene						1,400	
Pentachlorobenzene						-	
Tetrachlorobenzene						-	
Trichlorobenzene-1,2,4						-	
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	
Arochlor 1254							-
Arochlor 1260							180
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-13 11-Oct-00 0-3' Bldg #12/21	HA SS-13 dup 11-Oct-00 0-3' Bldg #12/21	MW-10 S2 21-Dec-95 6-8' Parking Lot	TP-19 12-May-98 6-8' Parking Lot	TP-20 12-May-98 6-7' Parking Lot	TP-21 12-May-98 6-8' Parking Lot
Organics							
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		-	-	*NA*	*NA*	*NA*	*NA*
Acenaphthene							
Acenaphthylene							
Anthracene							
Benzo (a) anthracene							
Benzo (a) pyrene							
Benzo (b) fluoranthene							
Benzo (g,h,i) perylene							
Benzo (k) fluoranthene							
Chrysene							
Dibenzo (a,h) anthracene							
Fluoranthene							
Fluorene							
Indeno(1,2,3-cd) pyrene							
Naphthalene							
2-Methylnaphthalene							
Phenanthrene							
Pyrene							
Pentachlorobenzene							
Tetrachlorobenzene							
Trichlorobenzene-1,2,4							
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-	-	-	-
Arochlor 1254							
Arochlor 1260							
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2b
Summary of Soil SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	TP-22 12-May-98 5-6' Parking Lot	TP-23 12-May-98 5-7' Parking Lot	TP-24 12-May-98 5-7' Parking Lot
Organics				
Semi-Volatile Organic Compounds (SVOCs)(µg/kg)		*NA*	*NA*	*NA*
Acenaphthene				
Acenaphthylene				
Anthracene				
Benzo (a) anthracene				
Benzo (a) pyrene				
Benzo (b) fluoranthene				
Benzo (g,h,i) perylene				
Benzo (k) fluoranthene				
Chrysene				
Dibenzo (a,h) anthracene				
Fluoranthene				
Fluorene				
Indeno(1,2,3-cd) pyrene				
Naphthalene				
2-Methylnaphthalene				
Phenanthrene				
Pyrene				
Pentachlorobenzene				
Tetrachlorobenzene				
Trichlorobenzene-1,2,4				
Polychlorinated Biphenyls (PCBs)(µg/kg)		-	-	-
Arochlor 1254				
Arochlor 1260				
Organochlorine Pesticides (µg/kg)		*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
µg/kg=microgram per kilogram (parts per billion (ppb)).
Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. / Date Sampled / Depth / Comments	MH-13 10-Jun-95 NI DW-06	MH-13 10-Jul-95 NI DW-06	SB-6 S5 20-Oct-95 8.5-10.5' WAY-01	MW-11 S4 21-Dec-95 14-16' WAY-02	SB-15 S6 24-Jan-96 19-21' WAY-02
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)			***NA***	-		
Unknown Hydrocarbon		**300**			**-**	**-**
Fuel Oil #6		**-**			**48,000**	**95,000**
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		***NA***	***NA***	*NA*	***NA***	***NA***
C9-C18 Aliphatics						
C19-C36 Aliphatics						
C11-C22 Aromatics						
Oil and Grease (mg/kg)		***NA***	***1,379***	*NA*	***NA***	***NA***

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	MW-19 S8 24-Jan-96 8-10' WAY-02	MW-20 S5 25-Jan-96 11-13' WAY-02	SB-26 S2 21-Mar-96 15-17.5' WAY-02	SB-27 S4 27-Mar-96 17-18' WAY-02	SB-28 S5 27-Mar-96 14-15' WAY-02
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		-				
Unknown Hydrocarbon			-	-	-	-
Fuel Oil #6			**16,000**	**15,000**	8,900	12,000
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*
C9-C18 Aliphatics						
C19-C36 Aliphatics						
C11-C22 Aromatics						
Oil and Grease (mg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. / Date Sampled / Depth / Comments	SB-29 S5 27-Mar-96 14-16' WAY-02	SB-29 S7 27-Mar-96 18-20' WAY-02	SB-30 S3 27-Mar-96 15-17.5' WAY-02	BW-1 S7 3-Dec-96 12-14' WAY-02	BW-2 S7 4-Dec-96 12-14' WAY-02
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)				-	-	-
Unknown Hydrocarbon		-	-			
Fuel Oil #6		**22,000**	**4,300**			
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*
C9-C18 Aliphatics						
C19-C36 Aliphatics						
C11-C22 Aromatics						
Oil and Grease (mg/kg)		***NA***	***NA***	***NA***	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	BW-3 S7 4-Dec-96 12-14' WAY-02	BLD3SS-1 30-Jun-98 6-13' WAY-02	BLD3SS-2 2-Jul-98 6-15' WAY-02	BLD3SS-3 2-Jul-98 5-13' WAY-02	BLD3SS-4 15-Jul-98 14' WAY-02
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		-	*NA*	*NA*	*NA*	*NA*
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		*NA*			-	
C9-C18 Aliphatics			55	16.5		4,000
C19-C36 Aliphatics			210	430		11,000
C11-C22 Aromatics			230	91		9,000
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCFLR-1 8-Jul-98 16' WAY-02	EXCFLR-2 8-Jul-98 17' WAY-02	EXCFLR-3 10-Jul-98 17' WAY-02	EXCFLR-4 10-Jul-98 16' WAY-02	EXCFLR-5 10-Jul-98 16' WAY-02
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)				-		
C9-C18 Aliphatics		230	5,500		1,300	460
C19-C36 Aliphatics		440	8,800		3,800	1,400
C11-C22 Aromatics		590	13,000		7,400	1,500
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCFLR-6 13-Jul-98 18' WAY-02	EXCFLR-7 13-Jul-98 18' WAY-02	EXCFLR-8 17-Jul-98 19' WAY-02	EXCFLR-9 17-Jul-98 16' WAY-02	EXCFLR-10 17-Jul-98 16' WAY-02
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)						-
C9-C18 Aliphatics		1,400	290	3,100	120	
C19-C36 Aliphatics		3,700	750	5,100	110	
C11-C22 Aromatics		4,900	800	7,000	120	
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCWALL-1 8-Jul-98 0-15' WAY-02	EXCWALL-2 8-Jul-98 0-16' WAY-02	EXCWALL-3 10-Jul-98 0-16' WAY-02	EXCWALL-4 17-Jul-98 0-16' WAY-02	EXCWALL-5 17-Jul-98 0-16' WAY-02
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)					-	
C9-C18 Aliphatics		-	-	-		-
C19-C36 Aliphatics		50	83	45		50
C11-C22 Aromatics		-	71	41		55
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	EXCWALL-6 20-Jul-98 9-14' WAY-02	SB-12 S7 23-Jan-96 13-15' WAY-09	#1 North Wall 7-May-96 NI WAY-09	#2 East Wall 7-May-96 NI WAY-09	#3 South Wall 7-May-96 NI WAY-09
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		*NA*	-	-	-	-
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		-	*NA*	*NA*	*NA*	*NA*
C9-C18 Aliphatics						
C19-C36 Aliphatics						
C11-C22 Aromatics						
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	#4 West Wall 7-May-96 NI WAY-09	#5 Bottom Floor 7-May-96 NI WAY-09	#6 Stock Pile B 7-May-96 NI WAY-09	#7 Stock Pile T 7-May-96 NI WAY-09
Organics					
Total Petroleum Hydrocarbons (TPH)(mg/kg)		-	-	-	-
Unknown Hydrocarbon					
Fuel Oil #6					
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		*NA*	*NA*	***NA***	***NA***
C9-C18 Aliphatics					
C19-C36 Aliphatics					
C11-C22 Aromatics					
Oil and Grease (mg/kg)		*NA*	*NA*	***NA***	***NA***

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	TP-3 S1 15-Mar-96 0-2' Rge Hse #8	TP-3 S3 2-Apr-96 3' Rge Hse #8	TP-6, S-1 15-Mar-96 7-9' Rge Hse #15	BLRMSS-1 30-Jun-98 7-14' Boiler Rm
Organics					
Total Petroleum Hydrocarbons (TPH)(mg/kg)			-	-	*NA*
Unknown Hydrocarbon		**8,600**			
Fuel Oil #6		-			
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		***NA***	***NA***	*NA*	
C9-C18 Aliphatics					-
C19-C36 Aliphatics					130
C11-C22 Aromatics					93
Oil and Grease (mg/kg)		***NA***	***NA***	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-1 11-Oct-00 0-3' Bldg #12/21	HA SS-2 11-Oct-00 0-3' Bldg #12/21	HA SS-3 11-Oct-00 0-3' Bldg #12/21	HA SS-4 11-Oct-00 0-3' Bldg #12/21	HA SS-5 11-Oct-00 0-3' Bldg #12/21
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		-	-	-	-	-
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)		-	-	-	-	
C9-C18 Aliphatics						-
C19-C36 Aliphatics						84
C11-C22 Aromatics						-
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-6 11-Oct-00 0-3' Bldg #12/21	HA SS-6A 27-Oct-00 0-3' Bldg #12/21	HA SS-6B 27-Oct-00 0-3' Bldg #12/21	HA SS-6C 27-Oct-00 0-3' Bldg #12/21	HA SS-7 11-Oct-00 0-3' Bldg #12/21
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		-	*NA*	*NA*	*NA*	-
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)					-	
C9-C18 Aliphatics		-	-	-		-
C19-C36 Aliphatics		250	47	39	-	220
C11-C22 Aromatics		2,400	-	-	-	55
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-7 dup 11-Oct-00 0-3' Bldg #12/21	HA SS-8 11-Oct-00 0-3' Bldg #12/21	HA SS-9 11-Oct-00 0-3' Bldg #12/21	HA SS-10 11-Oct-00 0-3' Bldg #12/21	HA SS-11 11-Oct-00 0-3' Bldg #12/21
Organics						
Total Petroleum Hydrocarbons (TPH)(mg/kg)		-	-	-	-	-
Unknown Hydrocarbon						
Fuel Oil #6						
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)			-	-	-	
C9-C18 Aliphatics		-				-
C19-C36 Aliphatics		130				56
C11-C22 Aromatics		96				140
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2c
Summary of Soil Petroleum Hydrocarbons Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-12 11-Oct-00 0-3' Bldg #12/21	HA SS-13 11-Oct-00 0-3' Bldg #12/21	HA SS-13 dup 11-Oct-00 0-3' Bldg #12/21
Organics				
Total Petroleum Hydrocarbons (TPH)(mg/kg)		-	-	-
Unknown Hydrocarbon				
Fuel Oil #6				
Extractable Petroleum Hydrocarbons (EPH)(mg/kg)			-	-
C9-C18 Aliphatics		-		
C19-C36 Aliphatics		53		
C11-C22 Aromatics		40		
Oil and Grease (mg/kg)		*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm)).

Soils removed in prior remedial response action.

Table 2d
Summary of Soil Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-1 13-Oct-95 3.5-5.5' DW-01	SB-3 S1 20-Oct-95 6-8' DW-03	SB-4 24-Oct-95 NI DW-04	SB-8 S1 20-Oct-95 4.5-6.5' DW-05	SB-8 S2 13-Oct-95 6.5-8.5' DW-05	SB-8 S3 13-Oct-95 8.5-10.5' DW-05
Inorganics							
Total Metals (mg/kg)							
Arsenic		**6.0**	6.6	3.6	**29**	**5.2**	**4.4**
Barium		**62**	43	21	**120**	**9.5**	**15**
Cadmium		**2.2**	1.2	-	**200**	**5.2**	**-**
Chromium		**20**	17	13	**2,300**	**220**	**110**
Copper		**-**	-	-	**-**	**-**	**-**
Lead		**4.4**	80	7.7	**690**	**57**	**12**
Mercury		**-**	-	-	**1.2**	**-**	**-**
Nickel		**-**	-	-	**-**	**-**	**-**
Selenium		**-**	-	-	**-**	**-**	**-**
Silver		**-**	5.9	-	**170**	**3.0**	**0.83**
Zinc		**-**	-	-	**-**	**-**	**-**

Notes:

- = Analytical result below the method detection limit.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm))

Soils removed in prior remedial response action.

Table 2d
Summary of Soil Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-8 S4 13-Oct-95 10.5-12.5' DW-05	SB-8A S3 13-Oct-95 4.5-6.5' DW-05	SB-8A S5 13-Oct-95 8.5-10.5' DW-05	SB-5 S4 20-Oct-95 6.5-8.5' DW-06	MH-13 10-Jun-95 NI DW-06	MH-13 10-Jul-95 NI DW-06
Inorganics							
Total Metals (mg/kg)							
Arsenic		4.8	2.8	3.5	7.2	**12**	**11**
Barium		12	16	12	23	**5,310**	**2,210**
Cadmium		2.2	-	-	-	**68**	**35**
Chromium		110	6.3	13	70	**7,850**	**25,200**
Copper		-	-	-	-	**-**	**-**
Lead		6.5	2.9	2.5	6.3	**549**	**666**
Mercury		-	-	-	-	**0.81**	**1.8**
Nickel		-	-	-	-	**-**	**-**
Selenium		-	-	-	-	**-**	**-**
Silver		-	-	-	-	**45**	**32**
Zinc		-	-	-	-	**-**	**-**

Notes:

- = Analytical result below the method detection limit.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm))

Soils removed in prior remedial response action.

Table 2d
Summary of Soil Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	45375-01 30-Oct-95 NI DW-06	45375-02 30-Oct-95 NI DW-06	45375-03 30-Oct-95 NI DW-06	45375-04 30-Oct-95 NI DW-06	45375-05 30-Oct-95 NI DW-06	#6 Stock Pile B 7-May-96 NI WAY-09
Inorganics							
Total Metals (mg/kg)							
Arsenic		3.8	4.3	4.6	3.8	4.6	**8.0**
Barium		23	17	33	19	28	**27**
Cadmium		-	-	-	-	-	**-**
Chromium		74	8.3	17	33	17	**11**
Copper		-	-	-	-	-	**-**
Lead		4.1	5.9	4.6	8.8	8.6	**4.9**
Mercury		-	-	-	-	-	**-**
Nickel		-	-	-	-	-	**-**
Selenium		-	-	-	-	-	**-**
Silver		-	-	-	-	-	**-**
Zinc		-	-	-	-	-	**-**

Notes:
- = Analytical result below the method detection limit.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm))

Soils removed in prior remedial response action.

Table 2d
Summary of Soil Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	SB-9 13-Oct-95 3.5-5.5' Bldg #12/21	HA SS-1 11-Oct-00 0-3' Bldg #12/21	HA SS-2 11-Oct-00 0-3' Bldg #12/21	HA SS-3 11-Oct-00 0-3' Bldg #12/21	HA SS-4 11-Oct-00 0-3' Bldg #12/21	HA SS-5 11-Oct-00 0-3' Bldg #12/21
Inorganics							
Total Metals (mg/kg)				-	-		
Arsenic		4.7	-			-	-
Barium		22	-			-	-
Cadmium		-	-			-	-
Chromium		9.6	-			-	-
Copper		-	-			25	-
Lead		4.4	12			-	13
Mercury		-	-			-	0.090
Nickel		-	-			-	-
Selenium		0.84	-			-	-
Silver		-	-			-	-
Zinc		-	61			-	62

Notes:

- = Analytical result below the method detection limit.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm))

Soils removed in prior remedial response action.

Table 2d
Summary of Soil Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-6 11-Oct-00 0-3' Bldg #12/21	HA SS-7 11-Oct-00 0-3' Bldg #12/21	HA SS-7 dup 11-Oct-00 0-3' Bldg #12/21	HA SS-8 11-Oct-00 0-3' Bldg #12/21	HA SS-9 11-Oct-00 0-3' Bldg #12/21	HA SS-10 11-Oct-00 0-3' Bldg #12/21
Inorganics							
Total Metals (mg/kg)							-
Arsenic		7.5	-	-	7.2	13	
Barium		-	-	-	-	-	
Cadmium		0.56	-	-	-	-	
Chromium		12	-	-	-	-	
Copper		26	27	27	-	-	
Lead		19	14	15	-	-	
Mercury		0.097	-	-	-	-	
Nickel		16	-	-	-	11	
Selenium		-	-	-	-	-	
Silver		-	-	-	-	-	
Zinc		85	-	64	-	-	

Notes:

- = Analytical result below the method detection limit.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm))

Soils removed in prior remedial response action.

Table 2d
Summary of Soil Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Depth Comments	HA SS-11 11-Oct-00 0-3' Bldg #12/21	HA SS-12 11-Oct-00 0-3' Bldg #12/21	HA SS-13 11-Oct-00 0-3' Bldg #12/21	HA SS-13 dup 11-Oct-00 0-3' Bldg #12/21
Inorganics					
Total Metals (mg/kg)		-			
Arsenic			-	7.3	5.9
Barium			-	-	-
Cadmium			-	-	-
Chromium			-	-	-
Copper			-	-	-
Lead			14	16	14
Mercury			0.180	-	-
Nickel			-	11	-
Selenium			-	-	-
Silver			-	-	-
Zinc			-	65	-

Notes:

- = Analytical result below the method detection limit.
NI = No Information.
mg/kg=milligram per kilogram (parts per million (ppm))

Soils removed in prior remedial response action.

Table 3
Summary of Phase II Soil Field Screening Results
Raytheon Company
Wayland, Massachusetts

Well ID	Sample #	Sample Depth (feet bgs)	PID reading (ppm)
MW-32	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	10-12	0.0
MW-33M	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
	S-9	20-22	0.0
	S-10	25-27	0.0
	S-11	30-32	0.0
	S-12	35-37	0.0
	S-13	40-42	0.0
	S-14	45-47	0.0
	S-15	47-49	0.0
MW-33D	S-1	50-52	0.0
	S-2	52-54	0.0
	S-3	54-56	0.0
	S-4	56-58	0.0
	S-5	58-60	0.0
MW-34	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	4-8	0.0
	S-5	10-12	0.0
MW-35	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	19-21	0.0
MW-36	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
	S-9	16-18	0.0
	S-10	20-22	0.0

Table 3
Summary of Phase II Soil Field Screening Results
Raytheon Company
Wayland, Massachusetts

Well ID	Sample #	Sample Depth (feet bgs)	PID reading (ppm)
MW-37	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
	S-9	20-22	0.0
MW-37M	S-1	20-22	2.0
	S-2	22-24	1.0
	S-3	24-26	1.2
	S-4	26-28	1.1
	S-5	28-30	1.2
	S-6	30-32	0.9
	S-7	32-34	1.3
	S-8	34-36	1.0
	S-9	36-38	1.1
	S-10	38-40	1.0
	S-11	40-42	1.2
	S-12	42-44	1.3
	S-13	44-46	1.1
	S-14	46-48	1.1
MW-38	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
	S-9	20-22	0.0
MW-39	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
	S-9	20-22	0.0

Table 3
Summary of Phase II Soil Field Screening Results
Raytheon Company
Wayland, Massachusetts

Well ID	Sample #	Sample Depth (feet bgs)	PID reading (ppm)
MW-40	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	12-14	0.0
	S-8	14-16	0.0
	S-9	20-22	0.0
MW-40S	S-1	25-27	0.0
	S-2	30-32	0.0
	S-3	32-34	0.0
MW-41	S-1	0-2	0.0
	S-2	2-4	0.0
	S-3	4-6	0.0
	S-4	6-8	0.0
	S-5	8-10	0.0
	S-6	10-12	0.0
	S-7	14-16	0.0
MW-42S	S-1	5-7	0.5
	S-2	10-12	0.5
	S-3	15-17	0.7
	S-4	17-19	0.7
	S-5	21-23	0.8
MW-43S	S-1	10-12	0.8
	S-2	15-17	3.1
	S-3	17-19	2.1
	S-4	21-23	2.2
MW-43D	S-1	10-12	0.8
	S-2	15-17	3.1
	S-3	17-19	2.1
	S-4	21-23	2.2
	S-5	25-26	33.2
	S-6	26-28	1.0
	S-7	28-30	0.0
	S-8	30-32	0.0
	S-9	32-34	0.0
	S-10	34-36	0.0
	S-11	36-38	0.0
	S-12	38-40	0.0
	S-13	40-42	0.0
	S-14	42-44	0.0
	S-15	44-46	0.0
	S-16	46-48	0.0

Table 3
Summary of Phase II Soil Field Screening Results
Raytheon Company
Wayland, Massachusetts

Well ID	Sample #	Sample Depth (feet bgs)	PID reading (ppm)
MW-44D	S-1	5-7	1.7
	S-2	10-12	2.0
	S-3	15-17	2.4
	S-4	17-19	2.1
	S-5	19-21	1.4
	S-6	21-23	1.8
	S-7	23-25	2.6
	S-8	28-30	0.7
	S-9	30-32	0.8
	S-10	32-34	1.0
	S-11	34-36	0.8
	S-12	36-38	1.0
	S-13	38-40	0.8
	S-14	40-42	1.8
	S-15	42-44	2.0
	S-16	46-48	1.6
	S-17	50-52	0.7
	S-18	52-54	0.4
	S-19	54-56	0.6
	S-20	56-58	0.8
	S-21	58-60	0.7
	S-22	60-62	0.6
	S-23	64-66	0.7
MW-45M	S-1	5-7	1.9
	S-2	10-12	1.4
	S-3	15-17	3.0
	S-4	20-22	0.0
	S-5	22-24	0.0
	S-6	24-26	0.0
	S-7	26-28	0.0
	S-8	28-30	0.0
	S-9	30-32	0.0
	S-10	32-34	0.0
	S-11	34-36	0.0
	S-12	36-38	0.0
	S-13	38-40	0.0
	S-14	40-42	0.0
	S-15	42-44	0.0
	S-16	44-46	0.0
	S-17	46-48	0.0
	S-18	48-50	0.0
	S-19	50-52	0.0

Table 3
Summary of Phase II Soil Field Screening Results
Raytheon Company
Wayland, Massachusetts

Well ID	Sample #	Sample Depth (feet bgs)	PID reading (ppm)
MW-45D	S-1	52-54	0.0
	S-2	54-56	0.0
	S-3	56-58	0.0
	S-4	58-60	0.0
	S-5	60-62	0.0
	S-6	62-64	0.0
	S-7	64-66	0.0
	S-8	66-68	0.0
	S-9	69-70	0.0
	S-10	70-72	2.6
	S-11	72-74	0.0
	S-12	74-76	0.0
	S-13	76-78	0.0
MW-46M	S-1	5-7	1.3
	S-2	10-12	1.5
	S-3	15-17	1.4
	S-4	17-19	1.7
	S-5	19-21	1.5
	S-6	21-23	1.2
	S-7	23-25	1.0
	S-8	25-27	1.2
	S-9	27-29	1.2
	S-10	29-31	1.3
	S-11	31-33	0.5
	S-12	33-35	1.5
	S-13	35-37	1.3
	S-14	37-39	1.4
	S-15	39-41	1.1
	S-16	41-43	1.3
	S-17	43-45	1.4
	S-18	45-47	1.1
	S-19	47-49	1.1
MW-47M	S-1	5-7	0.8
	S-2	10-12	1.0
	S-3	15-17	2.6
	S-4	20-22	2.1
	S-5	22-24	5.0
	S-6	24-26	2.4
	S-7	26-28	3.0
	S-8	28-30	3.0
	S-9	30-32	1.7
	S-10	32-34	2.1
	S-11	34-36	2.3
	S-12	36-38	2.1
	S-13	38-40	2.7
	S-14	40-42	2.0
	S-15	42-44	1.2
	S-16	44-46	2.0
	S-17	46-48	1.1
	S-18	48-50	1.1

Table 3
Summary of Phase II Soil Field Screening Results
Raytheon Company
Wayland, Massachusetts

Well ID	Sample #	Sample Depth (feet bgs)	PID reading (ppm)
MS-47D	S-1	50-52	0.8
	S-2	52-54	0.8
	S-3	54-56	0.9
MW-TP3	S-1	0-1.5	7.2
	S-2	2-4	4.0
	S-3	4-6	0.0
	S-4	10-12	0.0

Notes:
Field screning of soil conducted using the jar-headspace method.
ppm = parts per million
bgs = below ground surface
PID = Photoionization Detector

Table 4
Monitoring Well Location and Construction Summary
Raytheon Company
Wayland, Massachusetts

Well Designation	Well Location	Rationale for Well Location	Date Installed	Well Condition (as of July 2000)	Ground Surface Elevation (feet ASL)	Screen Length (feet)	Total Well Depth (feet)	Bottom Elevation (feet ASL)	Top Elevation (feet ASL)	Screened Material
Phase I Microwells										
MW-1	Former sand filter bed	Evaluate groundwater quality in former sand filter bed	18-Oct-95	Functional	131.5	10	19	112.5	122.5	NA
MW-2	Adjacent to drywell	Evaluate groundwater quality near dry well	18-Oct-95	Destroyed	134.8	10	22	112.8	122.8	NA
MW-3	Adjacent to former UST	Evaluate groundwater quality near former UST	18-Oct-95	Destroyed	133.3	10	23	110.3	120.3	NA
MW-4	Adjacent to drywell	Evaluate groundwater quality near dry well	18-Oct-95	Destroyed	-	10	24	-	-	NA
MW-5	Adjacent to former OHM storage area	Evaluate groundwater quality adjacent to former OHM storage area	18-Oct-95	Functional	132.5	10	25	107.5	117.5	NA
MW-6	Adjacent to former HWSA	Evaluate groundwater quality adjacent to former HWSA	18-Oct-95	Functional	132.9	10	24	108.9	118.9	NA
MW-7	Adjacent to former USTs	Evaluate groundwater quality near former USTs	18-Oct-95	Destroyed	-	10	24	-	-	NA
MW-8	Adjacent to drywell	Evaluate groundwater quality near dry well	18-Oct-95	Destroyed	131.3	10	24	107.8	117.8	NA
MW-9	Former leachfield	Evaluate groundwater quality in former leachfield	18-Oct-95	Functional	119.4	10	17	102.4	112.4	NA
Phase I Monitoring Wells										
MW-10	Parking lot	Evaluate groundwater quality adjacent to suspected drainage leak	21-Dec-95	Functional	131.3	10	18	113.3	123.3	Sand & Silt
MW-11	Near former UST	Evaluate groundwater quality near former UST	21-Dec-95	Destroyed	134.8	10	25	109.8	119.8	Sand & Silt
MW-13	Downgradient of former UST	Evaluate groundwater quality near former UST	23-Jan-96	Destroyed	134.9	10	22	112.9	122.9	Sand & Silt
MW-17	Downgradient of former UST	Evaluate groundwater quality near former UST	23-Jan-96	Destroyed	134.8	10	25	109.8	119.8	Sand & Silt
MW-18	Downgradient of former UST	Evaluate groundwater quality near former UST	24-Jan-96	Destroyed	134.7	10	25	109.7	119.7	Sand & Silt
MW-19	Downgradient of former UST	Evaluate groundwater quality near former UST	24-Jan-96	Destroyed	135.1	10	25	110.1	120.1	Sand & Silt
MW-27 (30° angle)	Near former UST	Evaluate groundwater quality near former UST	22-Mar-96	Destroyed	-	15	40	-	-	Sand & Silt
MW-28 (30° angle)	Near former UST	Evaluate groundwater quality near former UST	18-Mar-96	Destroyed	-	15	40	-	-	Sand, Silt & Gravel
MW-30	Downgradient of former UST	Evaluate groundwater quality near former UST	21-Mar-96	Destroyed	-	10	20	-	-	Sand, Silt & Clay
RAY-01	Near former UST	Evaluate groundwater quality near former UST	Unknown	Destroyed	135.0	-	-	-	-	Unknown
Post-Phase I Monitoring Wells										
MW-31	Downgradient of former UST	Evaluate groundwater quality downgradient of former UST	30-Jul-96	Destroyed	-	10	21	-	-	Sand & Silt
MW-TP-3	Field in northern portion of site	Evaluate groundwater quality near RAM soil excavation	30-Jul-96	Functional	129.0	10	17	112.0	122.0	Sand
BW-1	Inside Building 4 downgradient of former UST	Evaluate groundwater quality downgradient of former UST	3-Dec-96	Destroyed	135.8	10	22.5	113.3	123.3	Sand & Silt

Table 4
Monitoring Well Location and Construction Summary
Raytheon Company
Wayland, Massachusetts

Well Designation	Well Location	Rationale for Well Location	Date Installed	Well Condition (as of July 2000)	Ground Surface Elevation (feet ASL)	Screen Length (feet)	Total Well Depth (feet)	Bottom Elevation (feet ASL)	Top Elevation (feet ASL)	Screened Material
BW-2	Inside Building 4 downgradient of former UST	Evaluate groundwater quality downgradient of former UST	4-Dec-96	Destroyed	135.1	10	22	113.1	123.1	Sand & Silt
BW-3	Inside Building 4 downgradient of former UST	Evaluate groundwater quality downgradient of former UST	4-Dec-96	Destroyed	135.8	10	22.5	113.3	123.3	Sand & Silt
Haley & Aldrich Monitoring Wells										
HA-101	Northwest corner of parking lot	Evaluate groundwater quality in western portion of site	8-Jan-98	Functional	127.6	15	19	108.6	123.6	Sand, Peat & Silt
HA-102	Southwest corner of parking lot	Evaluate groundwater quality in western portion of site	8-Jan-98	Functional	128.2	15	24	104.2	119.2	Sand
HA-103	Northeast portion of parking lot	Evaluate groundwater quality in western portion of site	8-Jan-98	Functional	132.8	15	23	109.8	124.8	Sand & Silt
HA-104	Southeast corner of parking lot	Evaluate groundwater quality in western portion of site	9-Jan-98	Functional	132.7	15	26	106.7	121.7	Sand
Phase II Monitoring Wells										
MW-32	Field in northern portion of site	Downgradient of RAM soil excavation conducted vic. MW-TP-3	14-May-98	Functional	124.9	10	12	112.9	122.9	Sand & Silt
MW-33S	Adjacent to former HWSA	Evaluate groundwater quality adjacent to former HWSA	14-May-98	Functional	133.9	5	30	103.9	108.9	Silt
MW-33M	Adjacent to former HWSA	Evaluate groundwater quality adjacent to former HWSA	13-May-98	Functional	133.9	5	50	83.9	88.9	Sand & Silt
MW-33D	Adjacent to former HWSA	Evaluate groundwater quality adjacent to former HWSA	11-Aug-99	Functional	134.1	5	60	74.1	79.1	Till
MW-33B	Adjacent to former HWSA	Evaluate groundwater quality adjacent to former HWSA	23-Mar-00	Functional	129.4	5	81	48.4	53.4	Bedrock
MW-34	East of Building 2	Upgradient of all suspected source areas; background well	13-May-98	Functional	137.0	10	15	122.0	132.0	Sand & Silt
MW-35	West of Building 6	Evaluate groundwater quality downgradient of former UST & dry well	11-May-98	Destroyed	133.2	10	22	111.2	121.2	Sand
MW-36	West of Building 5	Evaluate groundwater quality downgradient of former UST & dry well	12-May-98	Destroyed	132.9	10	22	110.9	120.9	Sand & Silt
MW-37	South of Building 5	Evaluate groundwater quality downgradient of former UST & dry well	12-May-98	Functional	134.7	10	22	112.7	122.7	Sand & Silt
MW-37M	South of Building 5, adjacent to MW-37	Evaluate groundwater quality downgradient of former UST & dry well	2-Nov-98	Functional	134.7	5	50	84.7	89.7	Sand & Silt
MW-38	South of Building 5	Evaluate groundwater quality downgradient of former UST & dry well	12-May-98	Functional	134.8	10	22	112.8	122.8	Sand & Silt
MW-39	East of Building 1	Evaluate groundwater quality downgradient of former UST & dry well	12-May-98	Destroyed	135.2	10	22	113.2	123.2	Sand & Silt
MW-40	East of Building 1	Evaluate groundwater quality downgradient of former UST & dry well	12-May-98	Functional	135.2	10	22	113.2	123.2	Sand & Silt
MW-40S	East of Building 1	Evaluate groundwater quality downgradient of former UST & dry well	14-May-98	Functional	135.2	5	30	105.2	110.2	Sand

Table 4
Monitoring Well Location and Construction Summary
Raytheon Company
Wayland, Massachusetts

Well Designation	Well Location	Rationale for Well Location	Date Installed	Well Condition (as of July 2000)	Ground Surface Elevation (feet ASL)	Screen Length (feet)	Total Well Depth (feet)	Bottom Elevation (feet ASL)	Top Elevation (feet ASL)	Screened Material
MW-41	West of Building 12	Evaluate groundwater quality near Building 12	11-May-98	Functional	125.2	10	17	108.2	118.2	Sand
MW-42S	Adjacent to Building 4	Evaluate groundwater quality adjacent to former UST & dry well	2-Nov-98	Functional	134.8	5	20	114.8	119.8	Sand & Silt
MW-43S	Adjacent to Building 4	Evaluate groundwater quality adjacent to former UST & dry well	2-Nov-98	Functional	134.4	5	20	114.4	119.4	Sand & Silt
MW-43D	Adjacent to Building 4	Evaluate groundwater quality adjacent to former UST & dry well	24-Mar-00	Functional	134.6	5	55	79.6	84.6	Till
MW-44S	Adjacent to Building 3	Evaluate groundwater quality upgradient of former UST & dry well	5-Nov-98	Functional	135.0	5	32	103.0	108.0	Sand
MW-44M	Adjacent to Building 3	Evaluate groundwater quality upgradient of former UST & dry well	5-Nov-98	Functional	134.8	5	48	86.8	91.8	Sand & Gravel
MW-44D	Adjacent to Building 3	Evaluate groundwater quality upgradient of former UST & dry well	5-Nov-98	Functional	134.9	5	68	66.9	71.9	Till
MW-45S	Southwest portion of parking lot	Evaluate downgradient extent of TCE impact to groundwater	3-Nov-98	Functional	132.5	5	37	95.5	100.5	Sand
MW-45M	Southwest portion of parking lot	Evaluate downgradient extent of TCE impact to groundwater	3-Nov-98	Functional	132.6	5	48	84.6	89.6	Sand
MW-45D	Southwest portion of parking lot	Evaluate downgradient extent of TCE impact to groundwater	10-Aug-99	Functional	132.6	5	78	54.6	59.6	Sand & Silt
MW-45B	Southwest portion of parking lot	Evaluate downgradient extent of TCE impact to groundwater	27-Mar-00	Functional	132.3*	5	97	35.3	40.3	Bedrock
MW-46S	West of Building 6, adjacent to HA-103	Evaluate lateral extent of TCE impact to groundwater	4-Nov-98	Functional	132.8	5	25	107.8	112.8	Sand & Silt
MW-46M	West of Building 6, adjacent to HA-103	Evaluate lateral extent of TCE impact to groundwater	4-Nov-98	Functional	132.8	5	50	82.8	87.8	Silt
MW-47S	West of Building 6, adjacent to MW-5	Evaluate downgradient extent of TCE impact to groundwater	6-Nov-98	Functional	132.6	5	36	96.6	101.6	Sand
MW-47M	West of Building 6, adjacent to MW-5	Evaluate downgradient extent of TCE impact to groundwater	5-Nov-98	Functional	132.6	5	50	82.6	87.6	Silt
MW-47D	West of Building 6, adjacent to MW-5	Evaluate downgradient extent of TCE impact to groundwater	6-Nov-98	Functional	132.6	5	71	61.6	66.6	Sand & Silt

Notes:
ASL = Above Mean Sea Level
OHM = Oil & Hazardous Material
HWSA = Hazardous Waste Storage Area
NA = Not Applicable - no soil samples collected during Fastwell microwell installation
- = Data not available
* = Elevation measure from top of casing.

Table 5
Summary of Groundwater Gauging Data
Raytheon Company
Wayland, Massachusetts

Well Designation	Measuring Point	Measuring Pt. Elevation (feet ASL)	Depth to Water (feet from measuring point)					
			27-May-98	17-18 Nov 98	28-29 July 99	14-Sep-99	5-Apr-00	10-Jul-00
MW-1	Steel Microwell	132.98	7.90	-	-	-	8.20	-
MW-2	Steel Microwell	136.25	12.49	-	-	-	-	-
MW-5	Steel Microwell	132.32	-	17.85	-	-	-	-
MW-6	Steel Microwell	134.40	15.69	18.40	-	-	-	-
MW-9	Steel Microwell	120.85	4.65	-	-	-	-	-
MW-10	PVC	130.86	6.82	10.10	10.87	-	7.41	-
MW-32	PVC	124.43	2.51	4.81	6.89	-	2.10	-
MW-33S*	PVC	133.79	17.14	18.74	18.91	19.59	16.40	16.61
MW-33M*	PVC	133.57	18.71	17.70	19.69	19.47	16.90	18.25
MW-33D	PVC	133.80	-	-	20.05	19.38	16.93	18.29
MW-33B	PVC	133.88	-	-	-	-	17.00	18.71
MW-34	PVC	136.71	5.56	11.36	14.26	-	10.81	-
MW-35	PVC	132.80	12.84	-	-	-	-	-
MW-36	PVC	132.52	14.20	-	-	-	-	-
MW-37	PVC	134.41	13.91	16.20	17.54	-	15.29	15.44
MW-37M	PVC	134.38	-	17.93	19.81	-	16.61	17.65
MW-38	PVC	134.46	13.94	15.28	16.54	-	14.73	-
MW-39	PVC	134.89	13.83	15.48	-	-	-	-
MW-40	PVC	134.88	13.65	15.46	16.45	-	15.07	-
MW-40S	PVC	134.87	13.63	15.46	16.44	-	15.04	-
MW-41	PVC	127.43	11.79	14.42	15.32	-	12.40	-
MW-42S	PVC	134.44	-	14.41	13.71	-	14.75	-
MW-43S	PVC	133.82	-	14.62	15.50	16.39	14.49	14.39
MW-43D	PVC	134.55	-	-	-	-	15.71	16.46
MW-44S	PVC	134.71	-	16.17	17.45	-	15.49	-
MW-44M	PVC	134.58	-	16.15	17.35	-	15.49	-
MW-44D	PVC	134.66	-	16.33	17.54	-	15.40	-
MW-45S	PVC	132.05	-	18.17	19.15	19.51	16.21	17.37
MW-45M	PVC	132.31	-	18.33	19.35	19.71	15.35	17.60
MW-45D	PVC	132.59	-	-	18.80	18.07	13.35	16.62
MW-45B	PVC	132.25	-	-	-	-	15.31	17.36
MW-46S	PVC	132.45	-	14.74	16.10	-	13.91	14.26
MW-46M	PVC	132.54	-	16.98	17.86	-	15.50	16.45
MW-47S	PVC	131.99	-	17.73	18.85	19.46	16.00	16.70
MW-47M	PVC	131.30	-	17.20	17.97	18.07	15.33	16.46
MW-47D	PVC	132.26	-	17.21	18.28	18.16	15.61	17.00
MW-TP-3	PVC	131.15	9.10	10.87	13.20	-	8.21	-
BW-1	PVC	135.60	16.20	-	-	-	-	-
BW-2	PVC	134.91	15.97	-	-	-	-	-
BW-3	PVC	135.57	15.39	-	-	-	-	-
HA-101	PVC	127.25	-	8.06	9.31	-	5.19	-
HA-102	PVC	127.90	-	14.38	15.30	-	12.39	13.80
HA-103	PVC	132.51	-	14.89	16.12	-	14.05	14.36
HA-104	PVC	132.33	14.82	17.94	-	-	16.10	16.92

Notes:

ASL = Above Mean Sea Level

- = Not measured

* Wells MW-33S & MW-33M were constructed with steel protective standpipes, which were removed between the first and second monitoring rounds and replaced with flush-mounted roadboxes.

Table 5
Summary of Groundwater Gauging Data
Raytheon Company
Wayland, Massachusetts

Well Designation	Measuring Point	Measuring Pt. Elevation (feet ASL)	Groundwater Elevation (feet ASL)					
			27-May-98	17-18 Nov 98	28-29 July 99	14-Sep-99	5-Apr-00	10-Jul-00
MW-1	Steel Microwell	132.98	125.08	-	-	-	124.78	-
MW-2	Steel Microwell	136.25	123.76	-	-	-	-	-
MW-5	Steel Microwell	132.32	-	114.47	-	-	-	-
MW-6	Steel Microwell	134.40	118.71	116.00	-	-	-	-
MW-9	Steel Microwell	120.85	116.20	-	-	-	-	-
MW-10	PVC	130.86	124.04	120.76	119.99	-	123.45	-
MW-32	PVC	124.43	121.92	119.62	117.54	-	122.33	-
MW-33S*	PVC	133.79	116.65	115.05	114.88	114.20	117.39	117.18
MW-33M*	PVC	133.57	114.86	115.87	113.88	114.10	116.67	115.32
MW-33D	PVC	133.80	-	-	-	-	116.87	115.51
MW-33B	PVC	133.88	-	-	-	-	116.88	115.17
MW-34	PVC	136.71	131.15	125.35	122.45	-	125.90	-
MW-35	PVC	132.80	119.96	-	-	-	-	-
MW-36	PVC	132.52	118.32	-	-	-	-	-
MW-37	PVC	134.41	120.50	118.21	116.87	-	119.12	118.97
MW-37M	PVC	134.38	-	116.45	114.57	-	117.77	116.73
MW-38	PVC	134.46	120.52	119.18	117.92	-	119.73	-
MW-39	PVC	134.89	121.06	119.41	-	-	-	-
MW-40	PVC	134.88	121.23	119.42	118.43	-	119.81	-
MW-40S	PVC	134.87	121.24	119.41	118.43	-	119.83	-
MW-41	PVC	127.43	115.64	113.01	112.11	-	115.03	-
MW-42S	PVC	134.44	-	120.03	120.73	-	119.69	-
MW-43S	PVC	133.82	-	119.20	118.32	117.43	119.33	119.43
MW-43D	PVC	134.55	-	-	-	-	118.84	118.09
MW-44S	PVC	134.71	-	118.54	117.21	-	119.22	-
MW-44M	PVC	134.58	-	118.43	117.23	-	119.09	-
MW-44D	PVC	134.66	-	118.33	117.12	-	119.26	-
MW-45S	PVC	132.05	-	113.88	112.90	112.54	115.84	114.68
MW-45M	PVC	132.31	-	113.98	112.96	112.60	116.96	114.71
MW-45D	PVC	132.59	-	-	-	-	119.24	115.97
MW-45B	PVC	132.25	-	-	-	-	116.94	114.89
MW-46S	PVC	132.45	-	117.71	116.35	-	118.54	118.19
MW-46M	PVC	132.54	-	115.56	114.68	-	117.04	116.09
MW-47S	PVC	131.99	-	114.26	113.14	112.53	115.99	115.29
MW-47M	PVC	131.30	-	114.10	113.33	113.23	115.97	114.84
MW-47D	PVC	132.26	-	115.05	113.98	114.10	116.65	115.26
MW-TP-3	PVC	131.15	122.05	120.28	117.95	-	122.94	-
BW-1	PVC	135.60	119.40	-	-	-	-	-
BW-2	PVC	134.91	118.94	-	-	-	-	-
BW-3	PVC	135.57	120.18	-	-	-	-	-
HA-101	PVC	127.25	-	119.19	117.94	-	122.06	-
HA-102	PVC	127.90	-	113.52	112.60	-	115.51	114.10
HA-103	PVC	132.51	-	117.62	116.39	-	118.46	118.15
HA-104	PVC	132.33	117.51	114.39	-	-	116.23	115.41

Notes:

ASL = Above Mean Sea Level

- = Not measured

* Wells MW-33S & MW-33M were constructed with steel protective standpipes, which were removed between the first and second monitoring rounds and replaced with flush-mounted roadboxes.

Table 6
Summary of Groundwater Samples Collected
Raytheon Company
Wayland, Massachusetts

Monitoring Well ID	Location	Date Installed	Installation Phase	Condition	Diameter (Inches)	Depth (feet)	Date Sampled	Parameters Analyzed						
								VOCs	SVOCs	PCBs	Pest	TPH	EPH	Dis. Mtls
MW-1	Former sand filter bed	18-Oct-95	Phase I	Functional	3/4	19	24-Oct-95	X	X	X	X			X
							27-May-98	X						
MW-2	Adjacent to drywell	18-Oct-95	Phase I	Destroyed	3/4	22	24-Oct-95	X						X
							27-May-98	X						
MW-3	Adjacent to former UST	18-Oct-95	Phase I	Destroyed	3/4	23	24-Oct-95	X				X		
MW-4	Adjacent to drywell	18-Oct-95	Phase I	Destroyed	3/4	24	20-Oct-95	X						X
MW-5	Adjacent to former OHM storage area	18-Oct-95	Phase I	Functional	3/4	25	25-Oct-95	X						X
MW-6	Adjacent to former HWSA	18-Oct-95	Phase I	Functional	3/4	24	25-Oct-95	X						X
							27-May-98	X						
MW-7	Adjacent to former USTs	18-Oct-95	Phase I	Destroyed	3/4	24	25-Oct-95	X		X				X
							25-Nov-95	X						
MW-8	Adjacent to drywell	18-Oct-95	Phase I	Destroyed	3/4	24	24-Oct-95	X						X
MW-9	Former leachfield	18-Oct-95	Phase I	Destroyed	3/4	17	24-Oct-95	X						
							27-May-98	X						
MW-10	Parking lot	21-Dec-95	Phase I	Functional	2	18	28-Dec-95			X				
							27-May-98	X						
							18-Nov-98	X						
							28-Jul-99	X						
							6-Apr-00	X						
MW-11	Near former UST	21-Dec-95	Phase I	Destroyed	2	25	28-Dec-95	X						
							27-May-98	X						
MW-13	Downgradient of former UST	23-Jan-96	Phase I	Destroyed	2	22	31-Jan-96	X	X				X	
							27-May-98	X	X				X	
MW-17	Downgradient of former UST	23-Jan-96	Phase I	Destroyed	2	25								
MW-18	Downgradient of former UST	24-Jan-96	Phase I	Destroyed	2	25	27-May-98	X						
MW-19	Downgradient of former UST	24-Jan-96	Phase I	Destroyed	2	25								
MW-27 (30° angle)	Near former UST	22-Mar-96	Phase I	Destroyed	2	40								
MW-28 (30° angle)	Near former UST	18-Mar-96	Phase I	Destroyed	2	40								
MW-30	Downgradient of former UST	21-Mar-96	Phase I	Destroyed	2	20	27-May-98	X	X				X	
RAY-01	Near former UST	UK	Phase I	Destroyed	2	-	24-Oct-95	X						
							20-Nov-95	X						
							27-May-98	X						
MW-31	Downgradient of former UST	30-Jul-96	Post Phase I	Destroyed	2	21	6-Aug-96	X						
MW-TP-3	Field in northern portion of site	30-Jul-96	Post Phase I	Functional	2	17	6-Aug-96	X		X				
							27-May-98	X						
							18-Nov-98	X						
							29-Jul-99	X						
							6-Apr-00	X						

Table 6
Summary of Groundwater Samples Collected
Raytheon Company
Wayland, Massachusetts

Monitoring Well ID	Location	Date Installed	Installation Phase	Condition	Diameter (Inches)	Depth (feet)	Date Sampled	Parameters Analyzed						
								VOCs	SVOCs	PCBs	Pest	TPH	EPH	Dis. Mtls
BW-1	Inside Bldg 4 near former UST	3-Dec-96	Post Phase I	Destroyed	2	23	12-Dec-96	X						
							27-May-98	X						
BW-2	Inside Bldg 4 near former UST	4-Dec-96	Post Phase I	Destroyed	2	22	12-Dec-96	X						
							27-May-98	X						
BW-3	Inside Bldg 4 near former UST	4-Dec-96	Post Phase I	Destroyed	2	23	12-Dec-96	X						
							27-May-98	X						
HA-101	Northwest corner of parking lot	8-Jan-98	Post Phase I	Functional	2	19	18-Nov-98	X						
							28-Jul-99	X						
							6-Apr-00	X						
HA-102	Southwest corner of parking lot	8-Jan-98	Post Phase I	Functional	2	24	18-Nov-98	X						
							28-Jul-99	X						
							6-Apr-00	X						
							10-Jul-00	X						
							12-Oct-00	X						
HA-103	Northeast portion of parking lot	8-Jan-98	Post Phase I	Functional	2	23	18-Nov-98	X						
							28-Jul-99	X						
							6-Apr-00	X						
							10-Jul-00	X						
HA-104	Southeast corner of parking lot	8-Jan-98	Post Phase I	Functional	2	26	27-May-98	X						
							18-Nov-98	X						
							6-Apr-00	X						
							10-Jul-00	X						
MW-32	Field in northern portion of site	14-May-98	Phase II	Functional	2	12	27-May-98	X						
							18-Nov-98	X						
							28-Jul-99	X						
							6-Apr-00	X						
MW-33S	Adjacent to former HWSA	14-May-98	Phase II	Functional	2	30	27-May-98	X						
							20-Nov-98	X						
							29-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
							11-Jul-00	X						
MW-33M	Adjacent to former HWSA	13-May-98	Phase II	Functional	2	50	27-May-98	X						
							20-Nov-98	X						
							29-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						

Table 6
Summary of Groundwater Samples Collected
Raytheon Company
Wayland, Massachusetts

Monitoring Well ID	Location	Date Installed	Installation Phase	Condition	Diameter (Inches)	Depth (feet)	Date Sampled	Parameters Analyzed						
								VOCs	SVOCs	PCBs	Pest	TPH	EPH	Dis. Mtls
MW-33D							19-Aug-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
MW-33B							5-Apr-00	X						
							19-Jul-00	X						
MW-34	East of Building 2	13-May-98	Phase II	Functional	2	15	27-May-98	X						
							18-Nov-98	X						
							29-Jul-99	X						
							6-Apr-00	X						
MW-35	West of Building 6	11-May-98	Phase II	Destroyed	2	22	27-May-98	X						
MW-36	West of Building 5	12-May-98	Phase II	Destroyed	2	22	27-May-98	X						
MW-37	South of Building 5	12-May-98	Phase II	Functional	2	22	27-May-98	X						
							17-Nov-98	X						
							29-Jul-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
MW-37M	South of Bldg 5, adjacent to MW-37	2-Nov-98	Phase II	Functional	2	50	17-Nov-98	X						
							29-Jul-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
MW-38	South of Building 5	12-May-98	Phase II	Functional	2	22	27-May-98	X						
							17-Nov-98	X						
							29-Jul-99	X						
							5-Apr-00	X						
MW-39	East of Building 1	12-May-98	Phase II	Functional	2	22	27-May-98	X						
							17-Nov-98	X						
MW-40	East of Building 1	12-May-98	Phase II	Functional	2	22	27-May-98	X						
							18-Nov-98	X						
							29-Jul-99	X						
							5-Apr-00	X						
MW-40S	East of Building 1	14-May-98	Phase II	Functional	2	30	27-May-98	X						
							18-Nov-98	X						
							29-Jul-99	X						
							5-Apr-00	X						
MW-41	West of Building 12	11-May-98	Phase II	Functional	2	17	27-May-98	X						
							17-Nov-98	X						
							28-Jul-99	X						
							6-Apr-00	X						
							12-Oct-00	X						

Table 6
Summary of Groundwater Samples Collected
Raytheon Company
Wayland, Massachusetts

Monitoring Well ID	Location	Date Installed	Installation Phase	Condition	Diameter (Inches)	Depth (feet)	Date Sampled	Parameters Analyzed						
								VOCs	SVOCs	PCBs	Pest	TPH	EPH	Dis. Mtls
MW-42S	Adjacent to Building 4	2-Nov-98	Phase II	Functional	2	20	17-Nov-98	X						
							29-Jul-99	X						
							5-Apr-00	X						
MW-43S	Adjacent to Building 4	2-Nov-98	Phase II	Functional	2	20	17-Nov-98	X						
							29-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X	X				X	X
							11-Jul-00	X						
MW-43D							6-Apr-00	X	X				X	X
							10-Jul-00	X						
MW-44S	Adjacent to Building 3	5-Nov-98	Phase II	Functional	2	32	18-Nov-98	X						
							29-Jul-99	X						
							6-Apr-00	X						
MW-44M	Adjacent to Building 3	5-Nov-98	Phase II	Functional	2	48	18-Nov-98	X						
							29-Jul-99	X						
							6-Apr-00	X						
MW-44D	Adjacent to Building 3	5-Nov-98	Phase II	Functional	2	68	18-Nov-98	X						
							29-Jul-99	X						
							6-Apr-00	X						
MW-45S	Southwest portion of parking lot	3-Nov-98	Phase II	Functional	2	37	17-Nov-98	X						
							28-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
MW-45M	Southwest portion of parking lot	3-Nov-98	Phase II	Functional	2	48	17-Nov-98	X						
							28-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
							11-Jul-00	X						
MW-45D							19-Aug-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
MW-45B							5-Apr-00	X						
							19-Jul-00	X						

Table 6
Summary of Groundwater Samples Collected
Raytheon Company
Wayland, Massachusetts

Monitoring Well ID	Location	Date Installed	Installation Phase	Condition	Diameter (Inches)	Depth (feet)	Date Sampled	Parameters Analyzed						
								VOCs	SVOCs	PCBs	Pest	TPH	EPH	Dis. Mtls
MW-46S	West of Bldg 6, adjacent to HA-103	4-Nov-98	Phase II	Functional	2	25	17-Nov-98	X						
							29-Jul-99	X						
							6-Apr-00	X						
							10-Jul-00	X						
MW-46M	West of Bldg 6, adjacent to HA-103	4-Nov-98	Phase II	Functional	2	50	18-Nov-98	X						
							29-Jul-99	X						
							6-Apr-00	X						
							10-Jul-00	X						
MW-47S	West of Bldg 6, adjacent to MW-5	6-Nov-98	Phase II	Functional	2	36	17-Nov-98	X						
							28-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
MW-47M	West of Bldg 6, adjacent to MW-5	5-Nov-98	Phase II	Functional	2	50	17-Nov-98	X						
							28-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						
MW-47D	West of Bldg 6, adjacent to MW-5	6-Nov-98	Phase II	Functional	2	71	17-Nov-98	X						
							28-Jul-99	X						
							14-Sep-99	X						
							5-Apr-00	X						
							10-Jul-00	X						

Notes:

Mtls - Battery Metals As, Cd, Cr^{6}, Cr, Cu, Pb, Mn, Hg, Ni, Zn
VOCs - Volatile organic compounds by USEPA Method 8260
SVOCs - Semivolatile organic compounds by USEPA Method 8270
TPH - Total petroleum hydrocarbons by Method 8100M
PCB - Polychlorinated biphenyls by USEPA Method 8082
Pest - Pesticides by USEPA Method 8081

Table 7
Groundwater Field Parameter Measurements
Raytheon Company
Wayland, Massachusetts

Well ID	pH				
	18/19-Nov-98	28/29-July-99	14/15-Sep-99	5/6-Apr-00	10-Jul-00
MW-10	7.3	6.2	-	6.6	-
MW-32	6.9	6.6	-	7.4	-
MW-33S	8.2	6.7	7.7	6.3	6.0
MW-33M	8.9	7.0	7.1	7.5	7.2
MW-33D	-	-	6.7	6.9	7.0
MW-33B	-	-	-	7.9	-
MW-34	8.8	7.0	-	7.1	-
MW-37	7.3	7.0	-	6.7	6.0
MW-37M	7.0	6.9	-	7.7	6.9
MW-38	7.8	6.9	-	6.4	-
MW-39	7.3	-	-	-	-
MW-40	6.9	6.7	-	6.6	-
MW-40S	6.5	6.3	-	6.9	-
MW-41	7.2	6.6	-	6.9	-
MW-42S	7.7	7.3	-	6.9	-
MW-43S	7.2	7.2	8.5	7.2	7.3
MW-43D	-	-	-	8.0	7.3
MW-44S	7.4	6.1	-	7.0	-
MW-44M	7.7	7.0	-	7.2	-
MW-44D	7.7	6.7	-	8.0	-
MW-45S	9.9	7.4	8.3	8.3	9.1
MW-45M	9.0	6.6	7.3	6.2	6.3
MW-45D	-	-	12.3	11.3	11.9
MW-45B	-	-	-	8.3	-
MW-46S	7.4	6.1	-	6.9	6.8
MW-46M	6.9	5.3	-	6.7	6.6
MW-47S	7.5	5.6	6.9	8.6	6.7
MW-47M	6.9	5.8	6.5	6.7	7.3
MW-47D	7.1	6.1	7.5	7.1	6.7
MW-TP-3	7.1	6.5	-	6.6	-
HA-101	6.6	6.0	-	6.8	-
HA-102	7.5	6.2	-	7.2	6.7
HA-103	7.4	5.7	-	7.0	7.0
HA-104	7.3	-	-	7.1	6.6

Notes:
µS = microsiemens/cm
mg/L = milligrams per liter
mV = millivolts
- = Not Measured

Table 7
Groundwater Field Parameter Measurements
Raytheon Company
Wayland, Massachusetts

Well ID	Conductivity (µS)				
	18/19-Nov-98	28/29-July-99	14/15-Sep-99	5/6-Apr-00	10-Jul-00
MW-10	535	484	-	788	-
MW-32	70	830	-	72	-
MW-33S	74	110	109	104	73
MW-33M	191	213	205	175	197
MW-33D	-	-	264	274	261
MW-33B	-	-	-	251	-
MW-34	90	92	-	108	-
MW-37	360	448	-	593	279
MW-37M	247	351	-	266	275
MW-38	429	472	-	2,119	-
MW-39	275	-	-	-	-
MW-40	199	275	-	434	-
MW-40S	938	1,028	-	1,075	-
MW-41	427	567	-	336	-
MW-42S	537	526	-	487	-
MW-43S	1,076	730	688	599	752
MW-43D	-	-	-	268	311
MW-44S	287	340	-	446	-
MW-44M	221	280	-	221	-
MW-44D	231	346	-	281	-
MW-45S	392	361	418	334	313
MW-45M	401	302	310	307	264
MW-45D	-	-	3,060	2,524	1,790
MW-45B	-	-	-	526	-
MW-46S	554	753	-	1,200	1,307
MW-46M	1,477	188	-	1,445	1,739
MW-47S	209	260	250	263	181
MW-47M	388	565	547	470	346
MW-47D	272	314	335	265	306
MW-TP-3	131	158	-	147	-
HA-101	441	430	-	774	-
HA-102	323	403	-	407	424
HA-103	525	597	-	1,042	714
HA-104	922	-	-	608	1,015

Notes:
µS = microsiemens/cm
mg/L = milligrams per liter
mV = millivolts
- = Not Measured

Table 7
Groundwater Field Parameter Measurements
Raytheon Company
Wayland, Massachusetts

Well ID	Temperature (°C)				
	18/19-Nov-98	28/29-July-99	14/15-Sep-99	5/6-Apr-00	10-Jul-00
MW-10	17.4	21.5	-	10.6	-
MW-32	13.4	18.7	-	7.2	-
MW-33S	12.5	17.8	17.8	12.1	16.6
MW-33M	12.9	20.8	23.1	11.0	17.7
MW-33D	-	-	19.1	13.0	16.6
MW-33B	-	-	-	10.3	-
MW-34	11.5	18.4	-	8.2	-
MW-37	13.6	16.9	-	11.7	14.5
MW-37M	12.7	27.8	-	11.3	15.5
MW-38	15.0	17.8	-	10.5	-
MW-39	11.3	-	-	-	-
MW-40	13.5	16.2	-	11.5	-
MW-40S	12.7	16.9	-	12.1	-
MW-41	13.8	17.9	-	8.0	-
MW-42S	14.0	19.6	-	10.0	-
MW-43S	13.1	21.5	18.5	10.3	14.2
MW-43D	-	-	-	8.6	16.8
MW-44S	11.0	17.2	-	10.6	-
MW-44M	9.0	15.4	-	10.4	-
MW-44D	6.9	17.4	-	9.9	-
MW-45S	12.6	23.1	15.1	11.4	19.3
MW-45M	12.7	21.0	15.0	11.6	18.9
MW-45D	-	-	18.4	10.9	17.4
MW-45B	-	-	-	8.2	-
MW-46S	14.7	18.8	-	11.2	15.7
MW-46M	12.4	22.1	-	10.8	19.7
MW-47S	13.6	28.0	16.3	13.6	16.0
MW-47M	12.3	26.8	17.2	11.8	20.4
MW-47D	13.5	20.1	17.6	13.8	16.9
MW-TP-3	12.3	19.5	-	6.5	-
HA-101	17.3	22.4	-	11.4	-
HA-102	14.7	17.5	-	12.1	19.4
HA-103	15.8	20.8	-	11.3	16.6
HA-104	14.3	-	-	11.9	21.5

Notes:
µS = microsiemens/cm
mg/L = milligrams per liter
mV = millivolts
- = Not Measured

Table 7
Groundwater Field Parameter Measurements
Raytheon Company
Wayland, Massachusetts

Well ID	Oxidation Reduction Potential (ORP) (mV)				
	18/19-Nov-98	28/29-July-99	14/15-Sep-99	5/6-Apr-00	10-Jul-00
MW-10	-21.0	43.0	-	166.3	-
MW-32	144.3	42.0	-	206.2	-
MW-33S	130.7	103.0	-	197.0	112.8
MW-33M	47.3	91.0	-	69.1	10.0
MW-33D	-	-	-	-22.1	-67.1
MW-33B	-	-	-	-18.9	-
MW-34	176.6	132.0	-	233.0	-
MW-37	-	100.0	-	137.0	157.9
MW-37M	45.9	140.0	-	213.0	125.5
MW-38	122.2	135.0	-	217.9	-
MW-39	138.4	-	-	-	-
MW-40	211.5	156.0	-	210.8	-
MW-40S	235.9	174.0	-	198.4	-
MW-41	163.0	78.0	-	229.3	-
MW-42S	181.2	100.0	-	203.6	-
MW-43S	180.6	-	-	238.1	109.4
MW-43D	-	-	-	226.6	119.7
MW-44S	-12.6	186.0	-	212.3	-
MW-44M	-69.1	151.0	-	72.3	-
MW-44D	117.3	173.0	-	208.1	-
MW-45S	214.3	-9.1	182.0	138.9	34.3
MW-45M	185.0	114.0	202.0	289.4	-7.2
MW-45D	-	-	-	-4.5	-99.5
MW-45B	-	-	-	36.5	-
MW-46S	170.0	118.0	-	142.0	38.3
MW-46M	25.2	159.0	-	71.0	-22.3
MW-47S	171.5	164.0	189.0	218.4	108.6
MW-47M	26.9	72.0	150.0	80.0	37.8
MW-47D	43.3	45.0	124.0	189.4	43.6
MW-TP-3	99.8	140.0	-	215.6	-
HA-101	-38.9	70.0	-	1.1	-
HA-102	221.4	90.0	-	198.7	106.7
HA-103	30.7	164.0	-	240.3	64.8
HA-104	243.5	-	-	211.5	102.2

Notes:
µS = microsiemens/cm
mg/L = milligrams per liter
mV = millivolts
- = Not Measured

Table 7
Groundwater Field Parameter Measurements
Raytheon Company
Wayland, Massachusetts

Well ID	Dissolved Oxygen (mg/L)		
	18/19-Nov-98	5/6-Apr-00	10-Jul-00
MW-10	2.3	6.6	-
MW-32	6.5	11.9	-
MW-33S	6.6	8.0	4.9
MW-33M	7.2	-	5.2
MW-33D	-	3.8	2.6
MW-33B	-	-	-
MW-34	10.1	10.7	-
MW-37	5.3	7.9	6.4
MW-37M	2.1	3.8	3.2
MW-38	5.5	8.6	-
MW-39	10.2	-	-
MW-40	4.7	6.7	-
MW-40S	4.1	5.0	-
MW-41	7.5	9.9	-
MW-42S	7.2	9.0	-
MW-43S	6.7	9.0	6.9
MW-43D	-	6.6	4.4
MW-44S	7.5	8.0	-
MW-44M	4.6	3.8	-
MW-44D	8.3	5.2	-
MW-45S	8.4	10.0	9.4
MW-45M	6.0	-	1.5
MW-45D	-	5.1	9.0
MW-45B	-	-	-
MW-46S	8.1	8.2	9.0
MW-46M	37.7	6.6	4.0
MW-47S	3.1	3.4	3.9
MW-47M	4.3	-	2.8
MW-47D	4.8	-	2.3
MW-TP-3	4.3	7.1	-
HA-101	2.2	5.0	-
HA-102	7.6	7.8	8.8
HA-103	8.8	8.5	9.9
HA-104	9.1	9.9	9.3

Notes:
µS = microsiemens/cm
mg/L = milligrams per liter
mV = millivolts
- = Not Measured

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-1 24-Oct-95	MW-1 27-May-98	MW-2 24-Oct-95	MW-2 27-May-98	MW-3 24-Oct-95	MW-4 20-Oct-95	MW-5 25-Oct-95	MW-6 25-Oct-95	MW-6 27-May-98
Organics										
Volatile Organic Compounds (VOCs) (µg/l)		-	-	-	-		-			
Tetrachloroethene						-		17	-	-
Trichloroethene						-		8.6	38	20
cis-1,2-Dichloroethene						2.0		-	-	-
Vinyl Chloride						-		-	-	-
1,1,1-Trichloroethane						-		-	12	9.1
1,1-Dichloroethane						-		-	-	-
1,1-Dichloroethene						-		-	-	-
Chloroform						-		-	-	-
1,1,2,2-Tetrachloroethane						-		-	-	-
Trichlorofluoromethane						-		-	-	-
1,2,3-Trichlorobenzene						-		-	-	-
1,2-Dichlorobenzene						-		-	-	-
1,3-Dichlorobenzene						-		-	-	-
1,4-Dichlorobenzene						-		-	-	-
Chlorobenzene						-		-	-	-
Isopropylbenzene						-		-	-	-
sec-Butylbenzene						-		-	-	-
1,3,5-Trimethylbenzene						-		-	-	-
1,2,4-Trimethylbenzene						-		-	-	-
Naphthalene						-		-	-	-
Benzene						-		-	-	-
Toluene						-		-	-	-
Ethylbenzene						-		-	-	-
Xylenes						-		-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-7 25-Oct-95	MW-7* 25-Nov-95	MW-8 24-Oct-95	MW-9 24-Oct-95	MW-9 27-May-98	MW-10 27-May-98	MW-10 18-Nov-98	MW-10 28-Jul-99	MW-10* 6-Apr-00
Organics										
Volatile Organic Compounds (VOCs) (µg/l)					-	-	-	-	-	-
Tetrachloroethene		-	0.65	4.1						
Trichloroethene		7.6	21	11						
cis-1,2-Dichloroethene		-	1.2	-						
Vinyl Chloride		-	-	-						
1,1,1-Trichloroethane		1.6	4.0	-						
1,1-Dichloroethane		-	-	-						
1,1-Dichloroethene		2.0	2.7	-						
Chloroform		-	0.59	-						
1,1,2,2-Tetrachloroethane		-	-	-						
Trichlorofluoromethane		-	-	-						
1,2,3-Trichlorobenzene		-	-	-						
1,2-Dichlorobenzene		-	-	-						
1,3-Dichlorobenzene		-	-	-						
1,4-Dichlorobenzene		-	-	-						
Chlorobenzene		-	-	-						
Isopropylbenzene		-	-	-						
sec-Butylbenzene		-	-	-						
1,3,5-Trimethylbenzene		-	-	-						
1,2,4-Trimethylbenzene		-	-	-						
Naphthalene		-	-	-						
Benzene		-	-	-						
Toluene		-	-	-						
Ethylbenzene		-	-	-						
Xylenes		-	-	-						

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-11 28-Dec-95	MW-11 27-May-98	MW-11 27-May-98 DUP-ERM	MW-13 31-Jan-96	MW-13 27-May-98 SPLIT-ERM	MW-13 27-May-98 SPLIT-HA	MW-18 27-May-98
Organics								
Volatile Organic Compounds (VOCs) (µg/l)			-	-				
Tetrachloroethene		1.5			6.1	2.6	7.7	-
Trichloroethene		10			47	73	100	51
cis-1,2-Dichloroethene		6.5			77	15	89	-
Vinyl Chloride		-			-	-	7.2	-
1,1,1-Trichloroethane		-			-	-	-	-
1,1-Dichloroethane		-			1.6	-	1.2	-
1,1-Dichloroethene		-			-	-	-	-
Chloroform		-			-	-	-	-
1,1,2,2-Tetrachloroethane		-			-	-	-	-
Trichlorofluoromethane		-			-	-	-	-
1,2,3-Trichlorobenzene		-			-	-	-	-
1,2-Dichlorobenzene		-			-	-	1.1	-
1,3-Dichlorobenzene		-			-	-	-	-
1,4-Dichlorobenzene		-			-	-	-	-
Chlorobenzene		-			-	-	-	-
Isopropylbenzene		8.6			3.4	-	-	-
sec-Butylbenzene		2.3			1.2	-	-	-
1,3,5-Trimethylbenzene		31			-	-	-	-
1,2,4-Trimethylbenzene		120			-	-	-	-
Naphthalene		30			-	-	-	-
Benzene		25			11	-	2.6	-
Toluene		4.1			-	-	-	-
Ethylbenzene		31			-	-	-	-
Xylenes		95			-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-30 27-May-98 SPLIT-ERM	MW-30 27-May-98 SPLIT-HA	MW-31 6-Aug-96	MW-32 27-May-98	MW-32 18-Nov-98	MW-32 28-Jul-99	MW-32* 6-Apr-00
Organics								
Volatile Organic Compounds (VOCs) (µg/l)					-	-	-	-
Tetrachloroethene		-	-	8.0				
Trichloroethene		400	25	190				
cis-1,2-Dichloroethene		-	-	55				
Vinyl Chloride		-	-	2.6				
1,1,1-Trichloroethane		-	-	-				
1,1-Dichloroethane		-	-	-				
1,1-Dichloroethene		-	-	-				
Chloroform		-	-	-				
1,1,2,2-Tetrachloroethane		-	-	-				
Trichlorofluoromethane		-	-	-				
1,2,3-Trichlorobenzene		-	-	-				
1,2-Dichlorobenzene		-	-	-				
1,3-Dichlorobenzene		-	-	-				
1,4-Dichlorobenzene		-	-	-				
Chlorobenzene		-	-	-				
Isopropylbenzene		-	-	-				
sec-Butylbenzene		-	-	-				
1,3,5-Trimethylbenzene		-	-	-				
1,2,4-Trimethylbenzene		-	-	-				
Naphthalene		-	-	-				
Benzene		-	-	1.2				
Toluene		-	-	-				
Ethylbenzene		-	-	-				
Xylenes		-	-	-				

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-33S 27-May-98	MW-33S 20-Nov-98	MW-33S 20-Nov-98 DUP-ERM	MW-33S* 29-Jul-99	MW-33S* 14-Sep-99	MW-33S* 5-Apr-00	MW-33S* 10-Jul-00	MW-33S* 11-Jul-00 STEP 1300	MW-33S* 11-Jul-00 STEP 1315	MW-33S* 11-Jul-00 STEP 1330
Organics											
Volatile Organic Compounds (VOCs) (µg/l)											
Tetrachloroethene		-	-	-	-	-	-	-	-	-	-
Trichloroethene		530	210	220	240	260	390	170	180	220	190
cis-1,2-Dichloroethene		-	-	-	-	-	-	-	-	-	-
Vinyl Chloride		-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane		160	69	71	80	77	110	40	55	64	51
1,1-Dichloroethane		-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene		-	2.1	2.0	-	-	-	-	-	-	-
Chloroform		-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane		-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene		-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene		-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene		-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene		-	-	-	-	-	-	-	-	-	-
Chlorobenzene		-	-	-	-	-	-	-	-	-	-
Isopropylbenzene		-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene		-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene		-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene		-	-	-	-	-	-	-	-	-	-
Naphthalene		-	-	-	-	-	-	-	-	-	-
Benzene		-	-	-	-	-	-	-	-	-	-
Toluene		-	-	-	-	-	-	-	-	-	-
Ethylbenzene		-	-	-	-	-	-	-	-	-	-
Xylenes		-	-	-	-	-	-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-33M 27-May-98	MW-33M 20-Nov-98	MW-33M 29-Jul-99	MW-33M* 14-Sep-99	MW-33M* 5-Apr-00	MW-33M* 10-Jul-00	MW-33D* 19-Aug-99	MW-33D* 14-Sep-99	MW-33D* 5-Apr-00	MW-33D* 10-Jul-00
Organics											
Volatile Organic Compounds (VOCs) (µg/l)			-	-					-	-	-
Tetrachloroethene		-			-	-	-	-			
Trichloroethene		1.4			1.8	1.5	1.8	7.2			
cis-1,2-Dichloroethene		-			-	-	-	-			
Vinyl Chloride		-			-	-	-	-			
1,1,1-Trichloroethane		-			-	-	-	-			
1,1-Dichloroethane		-			-	-	-	-			
1,1-Dichloroethene		-			-	-	-	-			
Chloroform		-			-	-	-	-			
1,1,2,2-Tetrachloroethane		-			-	-	-	-			
Trichlorofluoromethane		-			-	-	-	-			
1,2,3-Trichlorobenzene		-			-	-	-	-			
1,2-Dichlorobenzene		-			-	-	-	-			
1,3-Dichlorobenzene		-			-	-	-	-			
1,4-Dichlorobenzene		-			-	-	-	-			
Chlorobenzene		-			-	-	-	-			
Isopropylbenzene		-			-	-	-	-			
sec-Butylbenzene		-			-	-	-	-			
1,3,5-Trimethylbenzene		-			-	-	-	-			
1,2,4-Trimethylbenzene		-			-	-	-	-			
Naphthalene		-			-	-	-	-			
Benzene		-			-	-	-	-			
Toluene		-			-	-	-	-			
Ethylbenzene		-			-	-	-	-			
Xylenes		-			-	-	-	-			

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-33B* 5-Apr-00	MW-33B* 19-Jul-00	MW-34 27-May-98	MW-34 18-Nov-98	MW-34 29-Jul-99	MW-34* 6-Apr-00	MW-35 27-May-98	MW-36 27-May-98
Organics									
Volatile Organic Compounds (VOCs) (µg/l)		-	-	-	-	-	-		
Tetrachloroethene								2.8	-
Trichloroethene								1.8	68
cis-1,2-Dichloroethene								-	-
Vinyl Chloride								-	-
1,1,1-Trichloroethane								2.2	-
1,1-Dichloroethane								-	-
1,1-Dichloroethene								-	-
Chloroform								-	-
1,1,2,2-Tetrachloroethane								-	-
Trichlorofluoromethane								-	-
1,2,3-Trichlorobenzene								-	-
1,2-Dichlorobenzene								-	-
1,3-Dichlorobenzene								-	-
1,4-Dichlorobenzene								-	-
Chlorobenzene								-	-
Isopropylbenzene								-	-
sec-Butylbenzene								-	-
1,3,5-Trimethylbenzene								-	-
1,2,4-Trimethylbenzene								-	-
Naphthalene								-	-
Benzene								-	-
Toluene								-	-
Ethylbenzene								-	-
Xylenes								-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-37 27-May-98	MW-37 17-Nov-98	MW-37* 29-Jul-99	MW-37* 5-Apr-00	MW-37* 10-Jul-00	MW-37M 17-Nov-98	MW-37M 29-Jul-99	MW-37M 29-Jul-99 DUP-ERM	MW-37M* 5-Apr-00	MW-37M* 10-Jul-00
Organics											
Volatile Organic Compounds (VOCs) (µg/l)		-					-	-	-		-
Tetrachloroethene			-	1.4	1.6	-				-	
Trichloroethene			5.5	6.8	11	1.0				1.3	
cis-1,2-Dichloroethene			-	-	-	-				-	
Vinyl Chloride			-	-	-	-				-	
1,1,1-Trichloroethane			-	-	-	-				-	
1,1-Dichloroethane			-	-	-	-				-	
1,1-Dichloroethene			-	-	-	-				-	
Chloroform			-	-	-	-				-	
1,1,2,2-Tetrachloroethane			-	-	-	-				-	
Trichlorofluoromethane			-	-	-	-				-	
1,2,3-Trichlorobenzene			-	-	-	-				-	
1,2-Dichlorobenzene			-	-	-	-				-	
1,3-Dichlorobenzene			-	-	-	-				-	
1,4-Dichlorobenzene			-	-	-	-				-	
Chlorobenzene			-	-	-	-				-	
Isopropylbenzene			-	-	-	-				-	
sec-Butylbenzene			-	-	-	-				-	
1,3,5-Trimethylbenzene			-	-	-	-				-	
1,2,4-Trimethylbenzene			-	-	-	-				-	
Naphthalene			-	-	-	-				-	
Benzene			-	-	-	-				-	
Toluene			-	-	-	-				-	
Ethylbenzene			-	-	-	-				-	
Xylenes			-	-	-	-				-	

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-38 27-May-98	MW-38 17-Nov-98	MW-38* 29-Jul-99	MW-38* 5-Apr-00	MW-39 27-May-98	MW-39 17-Nov-98	MW-40 27-May-98	MW-40 18-Nov-98	MW-40 29-Jul-99	MW-40* 5-Apr-00
Organics											
Volatile Organic Compounds (VOCs) (µg/l)		-			-	-	-				
Tetrachloroethene			-	-				1.8	-	1.7	3.3
Trichloroethene			1.9	2.2				5.5	3.3	-	12
cis-1,2-Dichloroethene			-	-				-	-	-	-
Vinyl Chloride			-	-				-	-	-	-
1,1,1-Trichloroethane			-	-				-	-	-	-
1,1-Dichloroethane			-	-				-	-	-	-
1,1-Dichloroethene			-	-				-	-	-	-
Chloroform			-	-				-	-	-	-
1,1,2,2-Tetrachloroethane			-	-				-	-	-	-
Trichlorofluoromethane			-	-				-	-	-	-
1,2,3-Trichlorobenzene			-	-				-	-	-	-
1,2-Dichlorobenzene			-	-				-	-	-	-
1,3-Dichlorobenzene			-	-				-	-	-	-
1,4-Dichlorobenzene			-	-				-	-	-	-
Chlorobenzene			-	-				-	-	-	-
Isopropylbenzene			-	-				-	-	-	-
sec-Butylbenzene			-	-				-	-	-	-
1,3,5-Trimethylbenzene			-	-				-	-	-	-
1,2,4-Trimethylbenzene			-	-				-	-	-	-
Naphthalene			-	-				-	-	-	-
Benzene			-	-				-	-	-	-
Toluene			-	-				-	-	-	-
Ethylbenzene			-	-				-	-	-	-
Xylenes			-	-				-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-40S 27-May-98	MW-40S 18-Nov-98	MW-40S 18-Nov-98 DUP-ERM	MW-40S* 29-Jul-99	MW-40S* 5-Apr-00
Organics						
Volatile Organic Compounds (VOCs) (µg/l)						
Tetrachloroethene		1.8	2.9	2.8	-	1.8
Trichloroethene		12	16	16	8.6	16
cis-1,2-Dichloroethene		-	-	-	-	-
Vinyl Chloride		-	-	-	-	-
1,1,1-Trichloroethane		-	-	-	-	-
1,1-Dichloroethane		-	-	-	-	-
1,1-Dichloroethene		-	-	-	-	-
Chloroform		-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-	-	-	-
Trichlorofluoromethane		-	-	-	-	-
1,2,3-Trichlorobenzene		-	-	-	-	-
1,2-Dichlorobenzene		-	-	-	-	-
1,3-Dichlorobenzene		-	-	-	-	-
1,4-Dichlorobenzene		-	-	-	-	-
Chlorobenzene		-	-	-	-	-
Isopropylbenzene		-	-	-	-	-
sec-Butylbenzene		-	-	-	-	-
1,3,5-Trimethylbenzene		-	-	-	-	-
1,2,4-Trimethylbenzene		-	-	-	-	-
Naphthalene		-	-	-	-	-
Benzene		-	-	-	-	-
Toluene		-	-	-	-	-
Ethylbenzene		-	-	-	-	-
Xylenes		-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-41 27-May-98	MW-41 17-Nov-98	MW-41 28-Jul-99	MW-41* 6-Apr-00	MW-41 12-Oct-00	MW-42S 17-Nov-98	MW-42S* 29-Jul-99	MW-42S* 5-Apr-00
Organics									
Volatile Organic Compounds (VOCs) (µg/l)		-		-	-				
Tetrachloroethene			-			0.7	4.9	-	1.0
Trichloroethene			3.2			6	14	2.9	3.3
cis-1,2-Dichloroethene			-			0.5	-	-	-
Vinyl Chloride			-			-	-	-	-
1,1,1-Trichloroethane			-			-	-	-	-
1,1-Dichloroethane			-			-	-	-	-
1,1-Dichloroethene			-			-	-	-	-
Chloroform			-			-	-	-	-
1,1,2,2-Tetrachloroethane			-			-	-	-	-
Trichlorofluoromethane			-			0.8	-	5.8	-
1,2,3-Trichlorobenzene			-			-	-	-	-
1,2-Dichlorobenzene			-			-	-	-	-
1,3-Dichlorobenzene			-			-	-	-	-
1,4-Dichlorobenzene			-			-	-	-	-
Chlorobenzene			-			-	-	-	-
Isopropylbenzene			-			-	-	-	-
sec-Butylbenzene			-			-	-	-	-
1,3,5-Trimethylbenzene			-			-	-	-	-
1,2,4-Trimethylbenzene			-			-	-	-	-
Naphthalene			-			-	-	-	-
Benzene			-			-	-	-	-
Toluene			-			-	-	-	-
Ethylbenzene			-			-	-	-	-
Xylenes			-			-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-43S 17-Nov-98	MW-43S* 29-Jul-99	MW-43S* 29-Jul-99 DUP-ERM	MW-43S* 14-Sep-99	MW-43S* 5-Apr-00	MW-43S* 6-Apr-00 DUP-ERM	MW-43S* 11-Jul-00 STEP 1500	MW-43S* 11-Jul-00 STEP 1515	MW-43S* 11-Jul-00 STEP 1530
Organics										
Volatile Organic Compounds (VOCs) (µg/l)										
Tetrachloroethene		-	-	2.1	-	-	-	7.4	-	-
Trichloroethene		350	280	180	170	560	530	600	370	330
cis-1,2-Dichloroethene		8.6	-	3.9	3.6	9.6	-	-	-	-
Vinyl Chloride		-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane		-	-	-	-	-	-	-	-	-
1,1-Dichloroethane		-	-	-	-	-	-	-	-	-
1,1-Dichloroethene		-	-	-	-	-	-	-	-	-
Chloroform		-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-	-	-	-	-	-	-	-
Trichlorofluoromethane		-	-	1.6	3.0	-	-	7.4	5.1	-
1,2,3-Trichlorobenzene		-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene		-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene		-	-	-	3.4	-	-	-	-	-
1,4-Dichlorobenzene		-	-	-	-	-	-	-	-	-
Chlorobenzene		-	-	-	-	-	-	-	-	-
Isopropylbenzene		-	-	-	-	-	-	-	-	-
sec-Butylbenzene		-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene		-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene		-	-	-	-	-	-	-	-	-
Naphthalene		-	-	-	-	-	-	-	-	-
Benzene		-	-	-	-	-	-	-	-	-
Toluene		-	-	-	-	-	-	-	-	-
Ethylbenzene		-	-	-	-	-	-	-	-	-
Xylenes		-	-	-	-	-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-43D 6-Apr-00	MW-43D* 10-Jul-00	MW-44S 18-Nov-98	MW-44S 29-Jul-99	MW-44S 6-Apr-00	MW-44M 18-Nov-98	MW-44M 29-Jul-99	MW-44M* 6-Apr-00
Organics									
Volatile Organic Compounds (VOCs) (µg/l)		-	-	-	-	-	-	-	-
Tetrachloroethene									
Trichloroethene									
cis-1,2-Dichloroethene									
Vinyl Chloride									
1,1,1-Trichloroethane									
1,1-Dichloroethane									
1,1-Dichloroethene									
Chloroform									
1,1,2,2-Tetrachloroethane									
Trichlorofluoromethane									
1,2,3-Trichlorobenzene									
1,2-Dichlorobenzene									
1,3-Dichlorobenzene									
1,4-Dichlorobenzene									
Chlorobenzene									
Isopropylbenzene									
sec-Butylbenzene									
1,3,5-Trimethylbenzene									
1,2,4-Trimethylbenzene									
Naphthalene									
Benzene									
Toluene									
Ethylbenzene									
Xylenes									

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-44D 18-Nov-98	MW-44D 29-Jul-99	MW-44D* 6-Apr-00	MW-45S 17-Nov-98	MW-45S* 28-Jul-99	MW-45S* 14-Sep-99	MW-45S* 5-Apr-00	MW-45S* 10-Jul-00	MW-45S* 10-Jul-00 DUP-ERM
Organics										
Volatile Organic Compounds (VOCs) (µg/l)		-	-	-						
Tetrachloroethene					-	1.5	1.1	1.2	1.0	-
Trichloroethene					5.4	8.4	8.0	8.4	6.0	5.4
cis-1,2-Dichloroethene					-	-	-	-	-	-
Vinyl Chloride					-	-	-	-	-	-
1,1,1-Trichloroethane					-	-	-	-	-	-
1,1-Dichloroethane					-	-	-	-	-	-
1,1-Dichloroethene					-	-	-	-	-	-
Chloroform					-	-	-	-	-	-
1,1,2,2-Tetrachloroethane					-	-	-	-	-	-
Trichlorofluoromethane					-	-	-	-	-	-
1,2,3-Trichlorobenzene					-	-	-	-	-	-
1,2-Dichlorobenzene					-	-	-	-	-	-
1,3-Dichlorobenzene					-	-	-	-	-	-
1,4-Dichlorobenzene					-	-	-	-	-	-
Chlorobenzene					-	-	-	-	-	-
Isopropylbenzene					-	-	-	-	-	-
sec-Butylbenzene					-	-	-	-	-	-
1,3,5-Trimethylbenzene					-	-	-	-	-	-
1,2,4-Trimethylbenzene					-	-	-	-	-	-
Naphthalene					-	-	-	-	-	-
Benzene					-	-	-	-	-	-
Toluene					-	-	-	-	-	-
Ethylbenzene					-	-	-	-	-	-
Xylenes					-	-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-45M 17-Nov-98	MW-45M* 28-Jul-99	MW-45M* 14-Sep-99	MW-45M* 5-Apr-00	MW-45M* 10-Jul-00	MW-45M* 11-Jul-00 STEP 0900	MW-45M* 11-Jul-00 STEP 0915	MW-45M* 11-Jul-00 STEP 0930
Organics									
Volatile Organic Compounds (VOCs) (µg/l)									
Tetrachloroethene		-	-	-	-	-	-	-	-
Trichloroethene		81	130	140	120	99	120	120	120
cis-1,2-Dichloroethene		-	-	-	-	-	-	-	-
Vinyl Chloride		-	-	-	-	-	-	-	-
1,1,1-Trichloroethane		24	32	39	24	21	28	26	27
1,1-Dichloroethane		-	1.2	-	1.5	1.5	-	-	-
1,1-Dichloroethene		6.2	8.6	7.3	3.3	3.3	3.6	3.8	4.0
Chloroform		-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-	-	-	-	16	-	-
Trichlorofluoromethane		-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene		-	-	-	-	-	-	-	-
1,2-Dichlorobenzene		-	-	-	-	-	-	-	-
1,3-Dichlorobenzene		-	-	-	-	-	-	-	-
1,4-Dichlorobenzene		-	-	-	-	-	-	-	-
Chlorobenzene		-	-	-	-	-	-	-	-
Isopropylbenzene		-	-	-	-	-	-	-	-
sec-Butylbenzene		-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene		-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene		-	-	-	-	-	-	-	-
Naphthalene		-	-	-	-	-	-	-	-
Benzene		-	-	-	-	-	-	-	-
Toluene		-	-	-	-	-	-	-	-
Ethylbenzene		-	-	-	-	-	-	-	-
Xylenes		-	-	-	-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-45D* 19-Aug-99	MW-45D* 14-Sep-99	MW-45D 14-Sep-99	MW-45D* 5-Apr-00	MW-45D* 10-Jul-00	MW-45B* 5-Apr-00	MW-45B* 19-Jul-00
Organics								
Volatile Organic Compounds (VOCs) (µg/l)								
Tetrachloroethene		1.8	1.5	1.8	1.0	1.9	-	-
Trichloroethene		120	110	95	70	81	4.4	7.5
cis-1,2-Dichloroethene		4.5	4.5	4.4	3.8	3.1	-	-
Vinyl Chloride		-	-	-	-	-	-	-
1,1,1-Trichloroethane		-	-	-	-	-	-	-
1,1-Dichloroethane		-	-	-	-	-	-	-
1,1-Dichloroethene		-	-	-	-	-	-	-
Chloroform		-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-	-	-	-	-	-
Trichlorofluoromethane		-	-	-	-	-	-	-
1,2,3-Trichlorobenzene		-	-	-	-	-	-	-
1,2-Dichlorobenzene		-	-	-	-	-	-	-
1,3-Dichlorobenzene		-	-	-	-	-	-	-
1,4-Dichlorobenzene		-	-	-	-	-	-	-
Chlorobenzene		-	-	-	-	-	-	-
Isopropylbenzene		-	-	-	-	-	-	-
sec-Butylbenzene		-	-	-	-	-	-	-
1,3,5-Trimethylbenzene		-	-	-	-	-	-	-
1,2,4-Trimethylbenzene		-	-	-	-	-	-	-
Naphthalene		-	-	-	-	-	-	-
Benzene		-	-	-	-	-	-	-
Toluene		-	-	-	-	-	-	-
Ethylbenzene		-	-	-	-	-	-	-
Xylenes		-	-	-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-46S 17-Nov-98	MW-46S 29-Jul-99	MW-46S* 6-Apr-00	MW-46S* 10-Jul-00	MW-46S* 10-Jul-00 DUP-ERM	MW-46M 18-Nov-98	MW-46M* 29-Jul-99	MW-46M* 6-Apr-00	MW-46M* 10-Jul-00
Organics										
Volatile Organic Compounds (VOCs) (µg/l)			-	-	-	-				
Tetrachloroethene		-					-	-	-	-
Trichloroethene		1.4					4.1	9.0	8.1	5.4
cis-1,2-Dichloroethene		-					-	-	-	-
Vinyl Chloride		-					-	-	-	-
1,1,1-Trichloroethane		-					-	-	-	-
1,1-Dichloroethane		-					-	-	-	-
1,1-Dichloroethene		-					-	2.1	2.1	1.5
Chloroform		-					-	-	-	-
1,1,2,2-Tetrachloroethane		-					-	-	-	-
Trichlorofluoromethane		-					-	-	-	-
1,2,3-Trichlorobenzene		-					-	-	-	-
1,2-Dichlorobenzene		-					-	-	-	-
1,3-Dichlorobenzene		-					-	-	-	-
1,4-Dichlorobenzene		-					-	-	-	-
Chlorobenzene		-					-	-	-	-
Isopropylbenzene		-					-	-	-	-
sec-Butylbenzene		-					-	-	-	-
1,3,5-Trimethylbenzene		-					-	-	-	-
1,2,4-Trimethylbenzene		-					-	-	-	-
Naphthalene		-					-	-	-	-
Benzene		-					-	-	-	-
Toluene		-					-	-	-	-
Ethylbenzene		-					-	-	-	-
Xylenes		-					-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-47S 17-Nov-98	MW-47S 28-Jul-99	MW-47S* 14-Sep-99	MW-47S* 5-Apr-00	MW-47S* 10-Jul-00
Organics						
Volatile Organic Compounds (VOCs) (µg/l)			-			
Tetrachloroethene		3.8		-	-	-
Trichloroethene		2.4		1.8	43	13
cis-1,2-Dichloroethene		-		-	-	-
Vinyl Chloride		-		-	-	-
1,1,1-Trichloroethane		-		-	12	3.8
1,1-Dichloroethane		-		-	-	-
1,1-Dichloroethene		-		-	-	-
Chloroform		-		-	-	-
1,1,2,2-Tetrachloroethane		-		-	-	-
Trichlorofluoromethane		-		-	-	-
1,2,3-Trichlorobenzene		-		-	-	-
1,2-Dichlorobenzene		-		-	-	-
1,3-Dichlorobenzene		-		-	-	-
1,4-Dichlorobenzene		-		-	-	-
Chlorobenzene		-		-	-	-
Isopropylbenzene		-		-	-	-
sec-Butylbenzene		-		-	-	-
1,3,5-Trimethylbenzene		-		-	-	-
1,2,4-Trimethylbenzene		-		-	-	-
Naphthalene		-		-	-	-
Benzene		-		-	-	-
Toluene		-		-	-	-
Ethylbenzene		-		-	-	-
Xylenes		-		-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-47M 17-Nov-98	MW-47M* 28-Jul-99	MW-47M* 14-Sep-99	MW-47M* 5-Apr-00	MW-47M* 5-Apr-00 DUP-ERM	MW-47M* 10-Jul-00
Organics							
Volatile Organic Compounds (VOCs) (µg/l)							
Tetrachloroethene		-	-	-	1.7	1.6	6.2
Trichloroethene		67	160	110	140	120	63
cis-1,2-Dichloroethene		4.6	9.6	6.5	7.8	7.9	4.0
Vinyl Chloride		-	-	-	-	-	-
1,1,1-Trichloroethane		-	-	-	-	-	-
1,1-Dichloroethane		-	-	-	-	-	-
1,1-Dichloroethene		-	-	-	-	-	-
Chloroform		-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-	-	-	-	-
Trichlorofluoromethane		-	-	-	-	-	-
1,2,3-Trichlorobenzene		-	-	-	-	-	-
1,2-Dichlorobenzene		-	-	-	-	-	-
1,3-Dichlorobenzene		-	-	-	-	-	-
1,4-Dichlorobenzene		-	-	-	-	1.6	-
Chlorobenzene		-	-	-	-	-	-
Isopropylbenzene		-	-	-	-	-	-
sec-Butylbenzene		-	-	-	-	-	-
1,3,5-Trimethylbenzene		-	-	-	-	-	-
1,2,4-Trimethylbenzene		-	-	-	-	-	-
Naphthalene		-	-	-	-	-	-
Benzene		-	-	-	-	-	-
Toluene		-	-	-	-	-	-
Ethylbenzene		-	-	-	-	-	-
Xylenes		-	-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-47D 17-Nov-98	MW-47D* 28-Jul-99	MW-47D* 28-Jul-99 DUP-ERM	MW-47D* 14-Sep-99	MW-47D* 5-Apr-00	MW-47D* 10-Jul-00
Organics							
Volatile Organic Compounds (VOCs) (µg/l)		-					
Tetrachloroethene			-	-	-	-	1.0
Trichloroethene			5.6	2.9	4.3	2.4	11
cis-1,2-Dichloroethene			-	-	-	-	-
Vinyl Chloride			-	-	-	-	-
1,1,1-Trichloroethane			-	-	-	-	-
1,1-Dichloroethane			-	-	-	-	-
1,1-Dichloroethene			-	-	-	-	-
Chloroform			-	-	-	-	-
1,1,2,2-Tetrachloroethane			-	-	-	-	-
Trichlorofluoromethane			-	-	-	-	-
1,2,3-Trichlorobenzene			-	-	-	-	-
1,2-Dichlorobenzene			-	-	-	-	-
1,3-Dichlorobenzene			-	-	-	-	-
1,4-Dichlorobenzene			-	-	-	-	-
Chlorobenzene			-	-	-	-	-
Isopropylbenzene			-	-	-	-	-
sec-Butylbenzene			-	-	-	-	-
1,3,5-Trimethylbenzene			-	-	-	-	-
1,2,4-Trimethylbenzene			-	-	-	-	-
Naphthalene			-	-	-	-	-
Benzene			-	-	-	-	-
Toluene			-	-	-	-	-
Ethylbenzene			-	-	-	-	-
Xylenes			-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-TP3 6-Aug-96	MW-TP3 27-May-98	MW-TP3 18-Nov-98	MW-TP-3* 29-Jul-99	MW-TP-3* 6-Apr-00	BW-1 12-Dec-96	BW-1 27-May-98	BW-2 12-Dec-96	BW-2 27-May-98	BW-2 27-May-98 DUP-ERM
Organics											
Volatile Organic Compounds (VOCs) (µg/l)											
Tetrachloroethene		-	-	-	2.0	-	-	2.8	2.2	4.1	3.8
Trichloroethene		9.2	-	1.4	23	4.2	26	37	43	62	36
cis-1,2-Dichloroethene		18	1.7	2.5	35	7.7	-	2.6	-	1.6	1.2
Vinyl Chloride		-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane		-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane		-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene		-	-	-	-	-	1.1	-	-	-	-
Chloroform		-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane		-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene		2.8	130	79	-	-	-	-	-	-	-
1,2-Dichlorobenzene		-	14	10	-	4.2	-	-	-	-	-
1,3-Dichlorobenzene		-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene		-	-	-	-	4.0	-	-	-	-	-
Chlorobenzene		-	-	-	-	2.1	-	-	-	-	-
Isopropylbenzene		-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene		-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene		-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene		-	-	-	-	-	-	-	-	-	-
Naphthalene		-	-	-	-	-	-	-	-	-	-
Benzene		-	-	-	-	-	-	-	-	-	-
Toluene		-	-	-	-	-	-	-	-	-	-
Ethylbenzene		-	-	-	-	-	-	-	-	-	-
Xylenes		-	-	-	-	-	-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	BW-3 12-Dec-96	BW-3 27-May-98	HA-101 18-Nov-98	HA-101 28-Jul-99	HA-101* 6-Apr-00	HA-102 18-Nov-98	HA-102* 28-Jul-99	HA-102* 6-Apr-00	HA-102* 10-Jul-00	HA-102 12-Oct-00
Organics											
Volatile Organic Compounds (VOCs) (µg/l)				-	-	-					
Tetrachloroethene		8.0	5.7				3.0	4.4	5.4	2.9	3
Trichloroethene		110	140				6.3	13	17	11	11
cis-1,2-Dichloroethene		32	23				-	-	-	-	-
Vinyl Chloride		-	-				-	-	-	-	-
1,1,1-Trichloroethane		-	-				-	-	-	-	0.5
1,1-Dichloroethane		-	-				-	-	-	-	-
1,1-Dichloroethene		-	-				-	-	-	-	-
Chloroform		-	-				-	-	-	-	-
1,1,2,2-Tetrachloroethane		-	-				-	-	-	-	-
Trichlorofluoromethane		-	-				-	-	-	-	-
1,2,3-Trichlorobenzene		-	-				-	-	-	-	-
1,2-Dichlorobenzene		-	-				-	-	-	-	-
1,3-Dichlorobenzene		-	-				-	-	-	-	-
1,4-Dichlorobenzene		-	-				-	-	-	-	-
Chlorobenzene		-	-				-	-	-	-	-
Isopropylbenzene		-	-				-	-	-	-	-
sec-Butylbenzene		-	-				-	-	-	-	-
1,3,5-Trimethylbenzene		-	-				-	-	-	-	-
1,2,4-Trimethylbenzene		-	-				-	-	-	-	-
Naphthalene		-	-				-	-	-	-	-
Benzene		-	-				-	-	-	-	-
Toluene		-	-				-	-	-	-	-
Ethylbenzene		-	-				-	-	-	-	-
Xylenes		-	-				-	-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	HA-103 18-Nov-98	HA-103 29-Jul-99	HA-103* 6-Apr-00	HA-103* 10-Jul-00	HA-104 27-May-98	HA-104 18-Nov-98	HA-104* 6-Apr-00	HA-104* 11-Jul-00
Organics									
Volatile Organic Compounds (VOCs) (µg/l)		-	-	-	-				
Tetrachloroethene						39	11	36	24
Trichloroethene						36	47	69	18
cis-1,2-Dichloroethene						-	-	-	-
Vinyl Chloride						-	-	-	-
1,1,1-Trichloroethane						-	-	-	-
1,1-Dichloroethane						-	-	-	-
1,1-Dichloroethene						-	-	-	-
Chloroform						-	-	-	-
1,1,2,2-Tetrachloroethane						-	-	-	-
Trichlorofluoromethane						-	-	-	-
1,2,3-Trichlorobenzene						-	-	-	-
1,2-Dichlorobenzene						-	-	-	-
1,3-Dichlorobenzene						-	-	-	-
1,4-Dichlorobenzene						-	-	-	-
Chlorobenzene						-	-	-	-
Isopropylbenzene						-	-	-	-
sec-Butylbenzene						-	-	-	-
1,3,5-Trimethylbenzene						-	-	-	-
1,2,4-Trimethylbenzene						-	-	-	-
Naphthalene						-	-	-	-
Benzene						-	-	-	-
Toluene						-	-	-	-
Ethylbenzene						-	-	-	-
Xylenes						-	-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8a
Summary of Groundwater VOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	RAY-01 24-Oct-95	RAY-01* 20-Nov-95	RAY-01 27-May-98
Organics				
Volatile Organic Compounds (VOCs) (µg/l)				
Tetrachloroethene		2.1	3.5	2.1
Trichloroethene		68	-	45
cis-1,2-Dichloroethene		3.3	6.4	1.1
Vinyl Chloride		-	-	-
1,1,1-Trichloroethane		-	72	-
1,1-Dichloroethane		-	-	-
1,1-Dichloroethene		4.6	4.8	-
Chloroform		-	2.5	-
1,1,2,2-Tetrachloroethane		-	-	-
Trichlorofluoromethane		-	-	-
1,2,3-Trichlorobenzene		-	-	-
1,2-Dichlorobenzene		-	-	-
1,3-Dichlorobenzene		-	-	-
1,4-Dichlorobenzene		-	-	-
Chlorobenzene		-	-	-
Isopropylbenzene		-	-	-
sec-Butylbenzene		-	-	-
1,3,5-Trimethylbenzene		-	-	-
1,2,4-Trimethylbenzene		-	-	-
Naphthalene		-	-	-
Benzene		-	-	-
Toluene		-	-	-
Ethylbenzene		-	-	-
Xylenes		-	-	-

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 8021B.

- = Analytical result below the method detection limit.

NA = Not Analyzed

µg/l=micrograms per liter (parts per billion (ppb))

GW samples were collected during step drawdown tests for wells MW-33S, MW-43S and MW-45M. Analytical results are not representative of ambient conditions.

Table 8b
Summary of Groundwater Miscellaneous Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter / Sample I.D. / Date Sampled / Comments	MW-1 24-Oct-95	MW-2 24-Oct-95	MW-3 24-Oct-95	MW-4 20-Oct-95	MW-5 25-Oct-95
Organics					
Semi-Volatile Organic Compounds (SVOCs)(µg/l)	-	*NA*	*NA*	*NA*	*NA*
Polychlorinated Biphenyls (PCBs)(µg/l)	-	*NA*	*NA*	*NA*	*NA*
Organochlorine Pesticides (µg/l)	-	*NA*	*NA*	*NA*	*NA*
Total Petroleum Hydrocarbons (TPH)(mg/l)	*NA*	*NA*	-	*NA*	*NA*
Extractable Petroleum Hydrocarbons (EPH)(µg/l)	*NA*	*NA*	*NA*	*NA*	*NA*
Inorganics					
Dissolved Metals (mg/l)	-		*NA*		-
Barium		0.01		0.28	
Chromium		-		-	

Notes:

- = Analytical result below the method detection limit.
NA = Not Analyzed
µg/l=micrograms per liter (parts per billion (ppb))
mg/l=milligrams per liter (parts per billion (ppm))

Table 8b
Summary of Groundwater Miscellaneous Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-6 25-Oct-95	MW-7 25-Oct-95	MW-8 24-Oct-95	MW-10 28-Dec-95	MW-13 27-May-98 SPLIT-HA
Organics						
Semi-Volatile Organic Compounds (SVOCs)(µg/l)		*NA*	*NA*	*NA*	*NA*	-
Polychlorinated Biphenyls (PCBs)(µg/l)		*NA*	-	*NA*	-	*NA*
Organochlorine Pesticides (µg/l)		*NA*	*NA*	*NA*	*NA*	*NA*
Total Petroleum Hydrocarbons (TPH)(mg/l)		*NA*	*NA*	*NA*	*NA*	*NA*
Extractable Petroleum Hydrocarbons (EPH)(µg/l)		*NA*	*NA*	*NA*	*NA*	-
Inorganics						
Dissolved Metals (mg/l)		-	-		*NA*	*NA*
Barium				0.02		
Chromium				-		

Notes:

- = Analytical result below the method detection limit.
NA = Not Analyzed
µg/l=micrograms per liter (parts per billion (ppb))
mg/l=milligrams per liter (parts per billion (ppm))

Table 8b
Summary of Groundwater Miscellaneous Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MW-30 27-May-98 SPLIT-HA	MW-43S* 5-Apr-00	MW-43D 6-Apr-00
Organics				
Semi-Volatile Organic Compounds (SVOCs)(µg/l)		-	-	-
Polychlorinated Biphenyls (PCBs)(µg/l)		*NA*	*NA*	*NA*
Organochlorine Pesticides (µg/l)		*NA*	*NA*	*NA*
Total Petroleum Hydrocarbons (TPH)(mg/l)		*NA*	*NA*	*NA*
Extractable Petroleum Hydrocarbons (EPH)(µg/l)		-	-	-
Inorganics				
Dissolved Metals (mg/l)		*NA*		-
Barium			-	
Chromium			0.01	

Notes:

- = Analytical result below the method detection limit.
NA = Not Analyzed
µg/l=micrograms per liter (parts per billion (ppb))
mg/l=milligrams per liter (parts per billion (ppm))

Table 9
Summary of Hydraulic Conductivity Testing Results
Raytheon Company
Wayland, Massachusetts

Well Designation	Screen Interval		Geologic Material	Hydraulic Conductivity (cm/sec)
	Bottom Elevation (feet ASL)	Top Elevation (feet ASL)		
Phase I Monitoring Wells				
MW-10	113.3	123.3	Sand & Silt	1.86E-05
MW-13	112.9	122.9	Sand & Silt	4.82E-04
Haley & Aldrich Monitoring Wells				
HA-101	108.6	123.6	Sand, Peat & Silt	1.09E-04
HA-102	104.2	119.2	Sand	2.00E-04
HA-103	109.8	124.8	Sand & Silt	2.59E-03
HA-104	106.7	121.7	Sand	1.36E-03
Phase II Monitoring Wells				
MW-32	112.9	122.9	Sand & Silt	8.05E-05
MW-33M	83.9	88.9	Sand & Silt	2.29E-05
MW-33S	103.9	108.9	Silt	1.77E-04
MW-33D	74.1	79.1	Till	5.19E-02
MW-33B	48.4	53.4	Bedrock	2.44E-03
MW-35	111.2	121.2	Sand	1.04E-05
MW-36	110.9	120.9	Sand & Silt	1.66E-05
MW-37	112.7	122.7	Sand & Silt	2.28E-03
MW-37M	84.7	89.7	Sand & Silt	3.22E-03
MW-39	113.2	123.2	Sand & Silt	2.94E-04
MW-40	113.2	123.2	Sand & Silt	9.00E-04
MW-40S	105.2	110.2	Sand	2.69E-03
MW-41	108.2	118.2	Sand	2.49E-03
MW-43S	114.4	119.4	Sand & Silt	7.24E-05
MW-43D	79.6	84.6	Till	3.85E-02
MW-45S	95.5	100.5	Sand	1.91E-02
MW-45M	84.6	89.6	Sand	1.72E-02
MW-45D	54.6	59.6	Sand & Silt	1.02E-05
MW-46S	107.8	112.8	Sand & Silt	6.49E-03
MW-46M	82.8	87.8	Silt	2.93E-04
MW-47S	96.6	101.6	Sand	1.15E-02
MW-47M	82.6	87.6	Silt	2.66E-04
MW-47D	61.6	66.6	Sand & Silt	7.28E-02

Notes:
ASL = Above Mean Sea Level

Table 10
Summary of Step Drawdown Test Results
Raytheon Company
Wayland, Massachusetts

Parameter	MW-33S	MW-43S	MW-45M	MW-47M
Screen Interval				
Bottom Elevation (feet ASL)	103.9	114.4	84.6	82.6
Top Elevation (feet ASL)	108.9	119.4	89.6	87.6
Geologic Material	Silt	Sand & Silt	Sand	Silt
Hydraulic Conductivity				
Slug Test (cm/s)	1.77E-04	7.24E-05	1.72E-02	2.66E-04
Recovery Data (cm/s)	1.69E-03	NA	2.76E-02	NA
Sustainable Well Yield (gpm)	<1.8*	0.28	10	0.40
Trichloroethene (mg/L, EPA 8021B)				
Initial	180	600	120	NA
Middle	220	370	120	NA
End	190	330	120	NA

Notes:
ASL = Above Mean Sea Level
gpm = gallons per minute
NA = Not Analyzed
* Well went dry at 1.8 gpm.
See Summary of Groundwater VOC Analytical Results (Table 8) for complete set of compound-specific analytical results.

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-1-B (0-6") 6-Oct-99	T-1-B (12-18") 6-Oct-99	T-1-C (0-6") 29-Oct-99	T-1-1 (0-6") 6-Oct-99	T-1-1 (12-18") 6-Oct-99	T-1-2 (0-6") 5-Nov-98	T-1-3 (0-6") 5-Nov-98
Organics								
Semi-Volatile Organic Compounds (ug/kg)			*NA*			*NA*	*NA*	*NA*
Acenaphthene		-		44	55			
Fluoranthene		1,500		13,000	7,100			
Naphthalene		-		35	-			
Benzo(a)anthracene		770		7,800	3,900			
Benzo(a,e)pyrene		590		5,000	3,200			
Benzo(b)fluoranthene		880		7,500	3,900			
Benzo(k)fluoranthene		870		6,500	3,400			
Chrysene		950		8,600	4,000			
Acenaphthylene		220		1,200	780			
Anthracene		150		1,000	500			
Benzo(g,h,i)perylene		440		2,600	1,700			
Fluorene		-		29	68			
Phenanthrene		150		340	500			
Dibenzo(a,h)anthracene		180		1,300	760			
Indeno(1,2,3-cd)pyrene		530		3,400	2,100			
Pyrene		1,500		13,000	6,200			
Methylnaphthalene, 1-		-		-	-			
Methylnaphthalene, 2-		-		-	-			
Perylene		120		980	620			
1-Methylphenanthrene		NA		NA	NA			
Biphenyl		-		-	-			
Total sVOCs		*8,850*		*72,328*	*38,783*			
Polychlorinated Biphenyls (ug/kg)		-	-	*NA*	-	-		
Aroclor 1254							-	-
Aroclor 1260							330,000	540,000
Total PCBs							*330,000*	*540,000*
PCB Congener Analysis								
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*285,000*	*249,000*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-1-4 (0-6") 6-Oct-99	T-1-4 (0-6") 1-Nov-99	T-1-4 (12-18") 6-Oct-99	T-1-6 (0-6") 6-Oct-99	T-2-A (0-6") 6-Oct-99	T-2-A (12-18") 6-Oct-99	T-2-A (18+") 6-Oct-99
Organics								
Semi-Volatile Organic Compounds (ug/kg)			*NA*	*NA*				
Acenaphthene		680			-	580	-	-
Fluoranthene		15,000			1,800	22,000	390	190
Naphthalene		-			-	-	-	39
Benzo(a)anthracene		7,200			1,000	9,100	160	71
Benzo(a,e)pyrene		7,600			1,100	12,000	160	90
Benzo(b)fluoranthene		7,200			950	14,000	210	140
Benzo(k)fluoranthene		7,600			950	12,000	190	110
Chrysene		8,800			1,100	14,000	250	140
Acenaphthylene		-			-	-	-	-
Anthracene		1,700			200	2,000	-	-
Benzo(g,h,i)perylene		5,900			830	11,000	150	100
Fluorene		590			-	580	-	-
Phenanthrene		8,400			730	11,000	190	82
Dibenzo(a,h)anthracene		2,000			270	3,200	-	-
Indeno(1,2,3-cd)pyrene		6,300			750	11,000	140	99
Pyrene		12,000			1,500	18,000	340	160
Methylnaphthalene, 1-		-			-	-	-	-
Methylnaphthalene, 2-		-			-	-	-	-
Perylene		1,500			240	2,400	-	-
1-Methylphenanthrene		NA			NA	NA	NA	NA
Biphenyl		-			-	-	-	-
Total sVOCs		*92,470*			*11,420*	*142,860*	*2,180*	*1,221*
Polychlorinated Biphenyls (ug/kg)								
Aroclor 1254		-	-	-	-	-	-	-
Aroclor 1260		72,400	44,400	15,900	2,960	21,000	728	750
Total PCBs		*72,400*	*44,400*	*15,900*	*2,960*	*21,000*	*728*	*750*
PCB Congener Analysis								
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-2-D (0-6") 6-Oct-99	T-2-D (12-18") 6-Oct-99	T-2-F* (0-6") 29-Oct-99 **	T-2-G (0-6") 29-Oct-99	T-2-1 (0-6") 5-Nov-98	T-2-2 (0-6") 5-Nov-98	T-2-3 (0-6") 5-Nov-98	T-2-4 (0-6") 5-Nov-98
Organics									
Semi-Volatile Organic Compounds (ug/kg)						*NA*	*NA*	*NA*	*NA*
Acenaphthene		-	-	-	-				
Fluoranthene		680	210	720	77				
Naphthalene		200	-	-	-				
Benzo(a)anthracene		840	210	380	32				
Benzo(a,e)pyrene		520	170	710	32				
Benzo(b)fluoranthene		520	150	430	47				
Benzo(k)fluoranthene		350	100	430	41				
Chrysene		1,300	320	460	50				
Acenaphthylene		-	-	92	-				
Anthracene		-	-	63	-				
Benzo(g,h,i)perylene		480	120	250	25				
Fluorene		-	-	-	-				
Phenanthrene		540	130	93	28				
Dibenzo(a,h)anthracene		160	45	74	-				
Indeno(1,2,3-cd)pyrene		300	87	320	26				
Pyrene		1,200	310	700	69				
Methylnaphthalene, 1-		-	-	-	-				
Methylnaphthalene, 2-		-	-	-	-				
Perylene		110	-	92	-				
1-Methylphenanthrene		NA	NA	23	NA				
Biphenyl		-	-	-	-				
Total sVOCs		*7,200*	*1,852*	*4,837*	*427*				
Polychlorinated Biphenyls (ug/kg)		-	-	-	-				
Aroclor 1254						-	-	-	-
Aroclor 1260						66,000	110,000	12,000	44,000
Total PCBs						*66,000*	*110,000*	*12,000*	*44,000*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*58,600*	*89,500*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-2-5 (0-6") 5-Nov-98	T-2-6 (0-6") 6-Oct-99	T-2-7 (0-6") 6-Oct-99	T-2-7 (12-18") 6-Oct-99	T-2-7 (18+") 6-Oct-99	T-2-8 (0-6") 6-Oct-99	T-2-8 (12-18") 6-Oct-99	T-2-8 (18+") 6-Oct-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*							
Acenaphthene			22,000	350	3,200	-	-	-	-
Fluoranthene			180,000	9,800	20,000	3,400	2,000	7,700	1,800
Naphthalene			6,200	-	710	-	-	-	-
Benzo(a)anthracene			78,000	4,800	9,600	1,700	880	3,900	750
Benzo(a,e)pyrene			80,000	5,700	8,600	2,100	1,100	4,500	660
Benzo(b)fluoranthene			84,000	6,500	7,400	2,500	1,500	6,100	730
Benzo(k)fluoranthene			68,000	5,600	7,600	2,100	1,200	4,800	700
Chrysene			95,000	6,800	9,900	2,600	1,400	7,900	1,000
Acenaphthylene			2,300	160	-	-	-	-	-
Anthracene			35,000	990	5,900	360	300	-	230
Benzo(g,h,i)perylene			56,000	4,800	5,200	1,800	1,400	3,300	450
Fluorene			19,000	290	2,800	-	-	-	-
Phenanthrene			140,000	4,800	18,000	1,400	680	2,000	700
Dibenzo(a,h)anthracene			18,000	1,500	1,400	560	350	1,200	-
Indeno(1,2,3-cd)pyrene			58,000	4,900	5,500	1,800	1,300	3,300	450
Pyrene			140,000	7,800	16,000	2,800	1,800	9,300	1,500
Methylnaphthalene, 1-			4,400	-	460	-	-	-	-
Methylnaphthalene, 2-			5,700	-	550	-	-	-	-
Perylene			16,000	1,100	1,700	410	240	-	-
1-Methylphenanthrene			NA	NA	NA	NA	NA	NA	NA
Biphenyl			1,600	-	-	-	-	-	-
Total sVOCs			*1,109,200*	*65,890*	*124,520*	*23,530*	*14,150*	*54,000*	*8,970*
Polychlorinated Biphenyls (ug/kg)									
Aroclor 1254		-	-	-	-	-	-	-	-
Aroclor 1260		35,000	5,280	67,600	129,000	13,600	10,300	35,400	2,010
Total PCBs		*35,000*	*5,280*	*67,600*	*129,000*	*13,600*	*10,300*	*35,400*	*2,010*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-2-9 (0-6") 6-Oct-99	T-2-9 (12-18") 6-Oct-99	T-2-9 (18+") 6-Oct-99	T-2-11 (0-6") 29-Oct-99	T-3-A (0-6") 29-Oct-99	T-3-C (0-6") 29-Oct-99	T-3-1 (0-6") 6-Oct-99	T-3-1 (12-18") 6-Oct-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		-	-	-					
Acenaphthene					86	-	-	-	-
Fluoranthene					7,000	680	270	660	240
Naphthalene					-	-	-	-	-
Benzo(a)anthracene					2,400	230	99	240	94
Benzo(a,e)pyrene					3,100	370	130	350	150
Benzo(b)fluoranthene					3,800	740	210	490	240
Benzo(k)fluoranthene					3,400	530	170	380	190
Chrysene					3,900	630	190	470	210
Acenaphthylene					-	-	-	-	-
Anthracene					420	-	-	-	-
Benzo(g,h,i)perylene					2,600	400	120	340	170
Fluorene					120	-	-	-	-
Phenanthrene					3,000	250	85	340	98
Dibenzo(a,h)anthracene					710	110	37	-	-
Indeno(1,2,3-cd)pyrene					2,600	420	120	350	170
Pyrene					5,400	570	230	590	210
Methylnaphthalene, 1-					-	-	-	-	-
Methylnaphthalene, 2-					-	-	-	-	-
Perylene					650	-	24	-	-
1-Methylphenanthrene					NA	NA	NA	NA	NA
Biphenyl					-	-	-	-	-
Total sVOCs					*39,186*	*4,930*	*1,685*	*4,210*	*1,772*
Polychlorinated Biphenyls (ug/kg)		-	-	-	*NA*	-	-	-	*NA*
Aroclor 1254									
Aroclor 1260									
Total PCBs									
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter / Sample I.D. / Depth / Date Sampled / Comments	T-3-2 (0-6") 5-Nov-98	T-3-3 (0-6") 5-Nov-98	T-3-4 (0-6") 5-Nov-98	T-3-5 (0-6") 5-Nov-98	T-3-5 Plant 28-Oct-99	T-3-6 (0-6") 6-Oct-99	T-3-6 (12-18") 6-Oct-99	T-3-6 (18+") 6-Oct-99
Organics								
Semi-Volatile Organic Compounds (ug/kg)	*NA*	*NA*	*NA*	*NA*				
Acenaphthene					-	680	-	-
Fluoranthene					320	52,000	730	930
Naphthalene					-	-	-	-
Benzo(a)anthracene					120	18,000	260	340
Benzo(a,e)pyrene					170	32,000	380	460
Benzo(b)fluoranthene					290	44,000	510	590
Benzo(k)fluoranthene					250	33,000	400	520
Chrysene					280	37,000	470	610
Acenaphthylene					-	1,000	-	-
Anthracene					-	3,300	-	-
Benzo(g,h,i)perylene					190	33,000	370	410
Fluorene					-	740	-	-
Phenanthrene					140	18,000	270	310
Dibenzo(a,h)anthracene					57	8,400	93	-
Indeno(1,2,3-cd)pyrene					200	34,000	370	420
Pyrene					270	42,000	620	810
Methylnaphthalene, 1-					-	-	-	-
Methylnaphthalene, 2-					-	-	-	-
Perylene					-	6,000	73	-
1-Methylphenanthrene					NA	NA	NA	NA
Biphenyl					-	-	-	-
Total sVOCs					*2,287*	*363,120*	*4,546*	*5,400*
Polychlorinated Biphenyls (ug/kg)							-	
Aroclor 1254	1,900	3,100	2,600	-	-	-		-
Aroclor 1260	2,400	23,000	10,000	39,000	728	51,700		578
Total PCBs	*4,300*	*26,100*	*12,600*	*39,000*	*728*	*51,700*		*578*
PCB Congener Analysis								
Total PCBs	*NA*	*NA*	*NA*	*33,800*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-3-7 (0-6") 6-Oct-99	T-3-7 (18+") 6-Oct-99	T-3-8 (0-6") 6-Oct-99	T-3-8 (12-18") 6-Oct-99	T-3-8 (18+") 6-Oct-99	T-3-8 Plant 28-Oct-99
Organics							
Semi-Volatile Organic Compounds (ug/kg)							
Acenaphthene		1,800	-	-	-	-	150
Fluoranthene		35,000	-	3,900	770	540	3,300
Naphthalene		340	22,400	-	-	-	-
Benzo(a)anthracene		15,000	13,200	1,800	390	300	1,400
Benzo(a,e)pyrene		16,000	9,050	2,900	430	410	2,200
Benzo(b)fluoranthene		17,000	14,400	3,500	470	530	2,400
Benzo(k)fluoranthene		15,000	9,990	3,100	480	490	2,200
Chrysene		19,000	8,240	3,300	590	450	2,500
Acenaphthylene		500		-	-	-	140
Anthracene		4,300	5,690	-	-	-	930
Benzo(g,h,i)perylene		12,000	6,920	3,100	360	330	2,500
Fluorene		1,600		-	-	-	130
Phenanthrene		21,000	13,900	1,600	380	240	1,800
Dibenzo(a,h)anthracene		3,800	7,840	1,000	-	-	620
Indeno(1,2,3-cd)pyrene		12,000	-	3,100	360	340	2,400
Pyrene		28,000	17,800	3,200	650	360	2,800
Methylnaphthalene, 1-		-		-	-	-	-
Methylnaphthalene, 2-		-		-	-	-	-
Perylene		3,200		570	-	-	460
1-Methylphenanthrene		NA	NA	NA	NA	NA	NA
Biphenyl		-		-	-	-	-
Total sVOCs		*205,540*		*31,070*	*4,880*	*3,990*	*25,930*
Polychlorinated Biphenyls (ug/kg)			*NA*				
Aroclor 1254		-		-	-	-	-
Aroclor 1260		11,100		35,100	1,640	3,060	3,580
Total PCBs		*11,100*		*35,100*	*1,640*	*3,060*	*3,580*
PCB Congener Analysis							
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-3-11 (0-6") 6-Oct-99	T-3-11* (0-6") 29-Oct-99 **	T-3-11 (12-18") 6-Oct-99	T-3-13 (0-6") 1-Nov-99 **	T-4-2 (0-6") 5-Nov-98	T-4-3 (0-6") 5-Nov-98	T-4-4 (0-6") 5-Nov-98	T-4-5 (0-6") 5-Nov-98
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*		*NA*		*NA*	*NA*	*NA*	*NA*
Acenaphthene			-		-				
Fluoranthene			1,700		46				
Naphthalene			-		-				
Benzo(a)anthracene			690		19				
Benzo(a,e)pyrene			2,200		37*				
Benzo(b)fluoranthene			1,300		21				
Benzo(k)fluoranthene			980		20				
Chrysene			1,200		26				
Acenaphthylene			74		-				
Anthracene			100		-				
Benzo(g,h,i)perylene			1,000		16				
Fluorene			-		-				
Phenanthrene			480		22				
Dibenzo(a,h)anthracene			200		-				
Indeno(1,2,3-cd)pyrene			1,200		18				
Pyrene			1,400		39				
Methylnaphthalene, 1-			-		-				
Methylnaphthalene, 2-			-		-				
Perylene			270		-				
1-Methylphenanthrene			51		10				
Biphenyl			-		-				
Total sVOCs			*12,845*		*237*				
Polychlorinated Biphenyls (ug/kg)		-	*NA*	-	-				
Aroclor 1254						-	-	-	-
Aroclor 1260						31,000	13,000	70,000	41,000
Total PCBs						*31,000*	*13,000*	*70,000*	*41,000*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*63,400*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-5-A (0-6") 6-Oct-99	T-5-A (12-18") 6-Oct-99	T-5-C (0-6") 6-Oct-99	T-5-D (0-6") 29-Oct-99	T-5-F (0-6") 29-Oct-99	T-5-1 (0-6") 5-Nov-98	T-5-2 (0-6") 5-Nov-98	T-5-2 Plant 28-Oct-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)			-	*NA*		-	*NA*	*NA*	
Acenaphthene		-			-				840
Fluoranthene		8,300			480				22,000
Naphthalene		-			-				210
Benzo(a)anthracene		3,000			160				8,400
Benzo(a,e)pyrene		5,100			280				9,500
Benzo(b)fluoranthene		10,000			560				12,000
Benzo(k)fluoranthene		7,000			360				10,000
Chrysene		8,100			420				13,000
Acenaphthylene		-			-				140
Anthracene		-			-				2,400
Benzo(g,h,i)perylene		6,800			300				7,200
Fluorene		-			-				890
Phenanthrene		2,700			180				12,000
Dibenzo(a,h)anthracene		2,000			-				2,100
Indeno(1,2,3-cd)pyrene		6,900			310				7,600
Pyrene		6,900			400				17,000
Methylnaphthalene, 1-		-			-				-
Methylnaphthalene, 2-		-			-				-
Perylene		880			-				1,900
1-Methylphenanthrene		NA			NA				NA
Biphenyl		-			-				-
Total sVOCs		*67,680*			*3,450*				*127,180*
Polychlorinated Biphenyls (ug/kg)			-	-	-	-			
Aroclor 1254		-					-	3,700	-
Aroclor 1260		4,770					8,700	13,000	13,600
Total PCBs		*4,770*					*8,700*	*16,700*	*13,600*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter / Sample I.D. / Depth / Date Sampled / Comments	T-5-3 (0-6") 5-Nov-98	T-5-4 (0-6") 5-Nov-98	T-5-5 (0-6") 5-Nov-98	T-5-6 (0-6") 6-Oct-99	T-5-7 (0-6") 6-Oct-99	T-5-7 (12-18") 6-Oct-99	T-5-9 (0-6") 6-Oct-99	T-5-10 (0-6") 6-Oct-99
Organics								
Semi-Volatile Organic Compounds (ug/kg)	*NA*	*NA*	*NA*				*NA*	*NA*
Acenaphthene				-	-	-		
Fluoranthene				9,700	19,000	450		
Naphthalene				-	-	-		
Benzo(a)anthracene				4,000	7,300	190		
Benzo(a,e)pyrene				7,100	12,000	260		
Benzo(b)fluoranthene				10,000	17,000	370		
Benzo(k)fluoranthene				8,200	16,000	350		
Chrysene				8,400	15,000	360		
Acenaphthylene				-	-	-		
Anthracene				920	1,400	-		
Benzo(g,h,i)perylene				7,800	13,000	290		
Fluorene				-	-	-		
Phenanthrene				3,800	6,600	160		
Dibenzo(a,h)anthracene				2,400	3,400	78		
Indeno(1,2,3-cd)pyrene				7,900	13,000	290		
Pyrene				7,900	15,000	360		
Methylnaphthalene, 1-				-	-	-		
Methylnaphthalene, 2-				-	-	-		
Perylene				1,400	2,200	-		
1-Methylphenanthrene				NA	NA	NA		
Biphenyl				-	-	-		
Total sVOCs				*79,520*	*140,900*	*3,158*		
Polychlorinated Biphenyls (ug/kg)						-		
Aroclor 1254	-	-	-	-	-		-	-
Aroclor 1260	61,000	35,000	11,000	20,800	9,800		89,900	11,600
Total PCBs	*61,000*	*35,000*	*11,000*	*20,800*	*9,800*		*89,900*	*11,600*
PCB Congener Analysis								
Total PCBs	*42,800*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-5-11 (0-6") 29-Oct-99	T-5-12 (0-6") 5-Oct-99 **	T-5-12* (0-6") 29-Oct-99 **	T-6-1 (0-6") 6-Nov-98	T-6-2 (0-6") 6-Nov-98	T-6-3 (0-6") 6-Nov-98	T-6-4 (0-6") 6-Nov-98	T-6-5 (0-6") 6-Nov-98
Organics									
Semi-Volatile Organic Compounds (ug/kg)			*NA*		*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene		140		-					
Fluoranthene		15,000		200					
Naphthalene		-		-					
Benzo(a)anthracene		6,700		91					
Benzo(a,e)pyrene		8,700		230					
Benzo(b)fluoranthene		9,500		140					
Benzo(k)fluoranthene		7,300		110					
Chrysene		9,000		150					
Acenaphthylene		100		-					
Anthracene		1,400		-					
Benzo(g,h,i)perylene		6,200		99					
Fluorene		250		-					
Phenanthrene		6,000		96					
Dibenzo(a,h)anthracene		1,700		-					
Indeno(1,2,3-cd)pyrene		6,500		110					
Pyrene		12,000		200					
Methylnaphthalene, 1-		-		-					
Methylnaphthalene, 2-		-		-					
Perylene		1,800		-					
1-Methylphenanthrene		NA		-					
Biphenyl		-		-					
Total sVOCs		*92,290*		*1,426*					
Polychlorinated Biphenyls (ug/kg)		-	-	*NA*					
Aroclor 1254					19,000	12,000	1,800	4,900	-
Aroclor 1260					42,000	44,000	6,500	19,000	4,500
Total PCBs					*61,000*	*56,000*	*8,300*	*23,900*	*4,500*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*41,000*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-6-6 (0-6") 6-Nov-98	T-7-A (0-6") 5-Oct-99	T-7-A (12-18") 5-Oct-99	T-7-B (0-6") 29-Oct-99	T-7-C (0-6") 5-Oct-99	T-7-F (0-6") 2-Nov-99	T-7-1 (0-6") 6-Nov-98	T-7-1 Plant 28-Oct-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*						*NA*	
Acenaphthene			-	-	-	-	-		120
Fluoranthene			2,800	690	1,600	1,900	92		7,900
Naphthalene			-	-	-	-	-		-
Benzo(a)anthracene			1,100	280	600	750	-		3,000
Benzo(a,e)pyrene			1,600	380	900	1,200	-		4,600
Benzo(b)fluoranthene			2,400	560	1,400	2,000	140		7,600
Benzo(k)fluoranthene			1,800	420	1,200	1,600	130		5,400
Chrysene			2,200	510	1,300	1,800	-		6,300
Acenaphthylene			-	-	-	-	-		-
Anthracene			-	-	-	-	-		400
Benzo(g,h,i)perylene			1,600	370	900	1,300	-		4,600
Fluorene			-	-	-	-	-		110
Phenanthrene			1,200	260	600	670	-		2,700
Dibenzo(a,h)anthracene			490	-	290	-	-		1,200
Indeno(1,2,3-cd)pyrene			1,600	370	920	1,300	-		4,800
Pyrene			2,400	610	1,300	1,600	-		6,500
Methylnaphthalene, 1-			-	-	-	-	-		-
Methylnaphthalene, 2-			-	-	-	-	-		-
Perylene			-	-	160	-	-		840
1-Methylphenanthrene			NA	NA	NA	NA	NA		NA
Biphenyl			-	-	-	-	-		-
Total sVOCs			*19,190*	*4,450*	*11,170*	*14,120*	*362*		*56,070*
Polychlorinated Biphenyls (ug/kg)							-		
Aroclor 1254		-	-	-	-	-		10,000	-
Aroclor 1260		6,000	11,700	1,890	2,410	2,660		67,000	7,900
Total PCBs		*6,000*	*11,700*	*1,890*	*2,410*	*2,660*		*77,000*	*7,900*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-7-2 (0-6") 6-Nov-98	T-7-3 (0-6") 6-Nov-98	T-7-4 (0-6") 6-Nov-98	T-7-5 (0-6") 6-Nov-98	T-7-6 (0-6") 5-Oct-99	T-7-6 (12-18") 5-Oct-99	T-7-7 (0-6") 5-Oct-99	T-7-9 (0-6") 5-Oct-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*	*NA*	*NA*	*NA*				*NA*
Acenaphthene						-	-	-	
Fluoranthene						2,000	-	1,400	
Naphthalene						-	-	-	
Benzo(a)anthracene						830	-	550	
Benzo(a,e)pyrene						1,200	-	860	
Benzo(b)fluoranthene						1,900	-	1,600	
Benzo(k)fluoranthene						1,500	-	1,200	
Chrysene						1,700	-	1,400	
Acenaphthylene						-	-	-	
Anthracene						-	-	-	
Benzo(g,h,i)perylene						1,300	-	1,100	
Fluorene						-	-	-	
Phenanthrene						870	-	580	
Dibenzo(a,h)anthracene						410	-	340	
Indeno(1,2,3-cd)pyrene						1,400	-	1,100	
Pyrene						1,700	-	1,200	
Methylnaphthalene, 1-						-	-	-	
Methylnaphthalene, 2-						-	-	-	
Perylene						-	-	-	
1-Methylphenanthrene						NA	NA	NA	
Biphenyl						-	-	-	
Total sVOCs						*14,810*		*11,330*	
Polychlorinated Biphenyls (ug/kg)							-		
Aroclor 1254		1,800	1,800	1,700	2,600	-		-	-
Aroclor 1260		9,300	6,000	11,000	16,000	9,970		27,600	30,900
Total PCBs		*11,100*	*7,800*	*12,700*	*18,600*	*9,970*		*27,600*	*30,900*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-7-11 (0-6") 5-Oct-99	T-7-12* (0-6") 31-Oct-99 **	T-7-13 (0-6") 28-Oct-99	T-7-14 (0-6") 4-Oct-99	T-8-A (0-6") 5-Oct-99	T-8-B (0-6") 1-Nov-99	T-8-C (0-6") 5-Oct-99	T-8-F (0-6") 29-Oct-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*			*NA*			*NA*	*NA*
Acenaphthene			-	-		-	-		
Fluoranthene			1,400	95		2,000	1,900		
Naphthalene			-	-		-	-		
Benzo(a)anthracene			660	-		740	640		
Benzo(a,e)pyrene			2,200	55		1,100	1,100		
Benzo(b)fluoranthene			1,400	73		1,700	1,800		
Benzo(k)fluoranthene			1,100	72		1,500	1,200		
Chrysene			1,300	72		1,700	1,500		
Acenaphthylene			-	-		-	-		
Anthracene			92	-		-	-		
Benzo(g,h,i)perylene			1,000	-		1,100	1,100		
Fluorene			-	-		-	-		
Phenanthrene			410	-		790	610		
Dibenzo(a,h)anthracene			220	-		-	330		
Indeno(1,2,3-cd)pyrene			1,200	-		1,100	1,100		
Pyrene			1,200	91		1,700	1,600		
Methylnaphthalene, 1-			-	-		-	-		
Methylnaphthalene, 2-			-	-		-	-		
Perylene			250	-		-	190		
1-Methylphenanthrene			-	NA		NA	NA		
Biphenyl			-	-		-	-		
Total sVOCs			*12,432*	*458*		*13,430*	*13,070*		
Polychlorinated Biphenyls (ug/kg)				-	-				
Aroclor 1254		-				3,720	-	-	1,200
Aroclor 1260		9,470	2,230			-	1,050	4,190	-
Total PCBs		*9,470*	*2,230*			*3,720*	*1,050*	*4,190*	*1,200*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-8-1 (0-6") 6-Nov-98	T-8-3 (0-6") 6-Nov-98	T-8-5 (0-6") 6-Nov-98	T-8-6 (0-6") 5-Oct-99	T-8-7 (0-6") 5-Oct-99	T-8-8 (0-6") 1-Nov-99	T-8-9 (0-6") 5-Oct-99	T-8-10 (0-6") 1-Nov-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*	*NA*	*NA*		*NA*		*NA*	
Acenaphthene					-		-		-
Fluoranthene					580		740		780
Naphthalene					-		-		-
Benzo(a)anthracene					220		290		300
Benzo(a,e)pyrene					320		420		480
Benzo(b)fluoranthene					490		860		950
Benzo(k)fluoranthene					460		620		750
Chrysene					500		760		810
Acenaphthylene					-		-		-
Anthracene					-		270		310
Benzo(g,h,i)perylene					320		460		600
Fluorene					-		-		-
Phenanthrene					280		280		310
Dibenzo(a,h)anthracene					-		-		180
Indeno(1,2,3-cd)pyrene					320		480		610
Pyrene					520		640		720
Methylnaphthalene, 1-					-		-		-
Methylnaphthalene, 2-					-		-		-
Perylene					-		320		-
1-Methylphenanthrene					NA		NA		NA
Biphenyl					-		-		-
Total sVOCs					*4,010*		*6,140*		*6,800*
Polychlorinated Biphenyls (ug/kg)									
Aroclor 1254		-	-	-	4,000	-	-	-	-
Aroclor 1260		4,800	5,800	970	-	4,420	2,070	3,020	1,200
Total PCBs		*4,800*	*5,800*	*970*	*4,000*	*4,420*	*2,070*	*3,020*	*1,200*
PCB Congener Analysis									
Total PCBs		*NA*	*4,380*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-8-11 (0-6") 5-Oct-99	T-8-12 (0-6") 1-Nov-99	T-8-13 (0-6") 5-Oct-99	T-8-14 (0-6") 5-Oct-99	T-9-1 (0-6") 6-Nov-98	T-9-3 (0-6") 6-Nov-98	T-9-5 (0-6") 6-Nov-98	T-9-5 Plant 28-Oct-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*		*NA*	*NA*	*NA*	*NA*	*NA*	
Acenaphthene			-						-
Fluoranthene			1,800						770
Naphthalene			-						-
Benzo(a)anthracene			660						250
Benzo(a,e)pyrene			1,200						390
Benzo(b)fluoranthene			2,700						700
Benzo(k)fluoranthene			1,600						490
Chrysene			1,800						610
Acenaphthylene			-						-
Anthracene			-						-
Benzo(g,h,i)perylene			1,600						380
Fluorene			-						-
Phenanthrene			700						300
Dibenzo(a,h)anthracene			430						-
Indeno(1,2,3-cd)pyrene			1,600						390
Pyrene			1,600						690
Methylnaphthalene, 1-			-						-
Methylnaphthalene, 2-			-						-
Perylene			210						-
1-Methylphenanthrene			NA						NA
Biphenyl			-						-
Total sVOCs			*15,900*						*4,970*
Polychlorinated Biphenyls (ug/kg)			-	-	-	-	-		
Aroclor 1254		-						1,300	-
Aroclor 1260		9,590						-	1,210
Total PCBs		*9,590*						*1,300*	*1,210*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*170*	*1,000*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-9-6* (0-6") 29-Oct-99 **	T-9-7 (0-6") 29-Oct-99 **	T-9-13 (0-6") 28-Oct-99 **	T-9-14* (0-6') 1-Nov-99 **	T-10-A (0-6") 1-Nov-99	T-10-1 (0-6") 6-Nov-98	T-10-2 (0-6") 6-Nov-98
Organics								
Semi-Volatile Organic Compounds (ug/kg)			*NA*	*NA*		*NA*	*NA*	*NA*
Acenaphthene		-			-			
Fluoranthene		180			450			
Naphthalene		-			-			
Benzo(a)anthracene		79			180			
Benzo(a,e)pyrene		182			410			
Benzo(b)fluoranthene		100			200			
Benzo(k)fluoranthene		96			220			
Chrysene		130			270			
Acenaphthylene		-			-			
Anthracene		-			-			
Benzo(g,h,i)perylene		72			160			
Fluorene		-			-			
Phenanthrene		97			220			
Dibenzo(a,h)anthracene		-			43			
Indeno(1,2,3-cd)pyrene		84			190			
Pyrene		180			410			
Methylnaphthalene, 1-		-			-			
Methylnaphthalene, 2-		-			-			
Perylene		-			46			
1-Methylphenanthrene		-			44			
Biphenyl		-			-			
Total sVOCs		*1,200*			*2,843*			
Polychlorinated Biphenyls (ug/kg)					-			
Aroclor 1254		2,520	1,600	1,270		-	-	2,400
Aroclor 1260		-	-	-		1,170	2,100	13,000
Total PCBs		*2,520*	*1,600*	*1,270*		*1,170*	*2,100*	*15,400*
PCB Congener Analysis								
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-10-3 (0-6") 6-Nov-98	T-10-4 (0-6") 6-Nov-98	T-10-5 (0-6") 6-Nov-98	T-10-6 (0-6") 1-Nov-99	T-10-7* (0-6') 29-Oct-99 **	T-10-8 (0-6") 29-Oct-99 **	T-10-9 (0-6') 29-Oct-99 **	T-10-10 (0-6") 1-Nov-99
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*	*NA*	*NA*	*NA*		*NA*	*NA*	*NA*
Acenaphthene						-			
Fluoranthene						110			
Naphthalene						-			
Benzo(a)anthracene						49			
Benzo(a,e)pyrene						125			
Benzo(b)fluoranthene						73			
Benzo(k)fluoranthene						64			
Chrysene						94			
Acenaphthylene						-			
Anthracene						-			
Benzo(g,h,i)perylene						50			
Fluorene						-			
Phenanthrene						58			
Dibenzo(a,h)anthracene						-			
Indeno(1,2,3-cd)pyrene						57			
Pyrene						120			
Methylnaphthalene, 1-						-			
Methylnaphthalene, 2-						-			
Perylene						60			
1-Methylphenanthrene						-			
Biphenyl						-			
Total sVOCs						*860*			
Polychlorinated Biphenyls (ug/kg)					-				
Aroclor 1254		-	3,500	-		3,370	-	2,480	-
Aroclor 1260		61,000	1,200	2,400		-	3,110	5,980	2,120
Total PCBs		*61,000*	*4,700*	*2,400*		*3,370*	*3,110*	*8,460*	*2,120*
PCB Congener Analysis									
Total PCBs		*1,940*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-10-11* (0-6') 29-Oct-99 **	T-10-12 (0-6") 28-Oct-99 **	T-10-13 (0-6") 1-Nov-99	T-10-16 (0-6") 1-Nov-99	T-11-3 (0-6") 6-Nov-98	T-12-1 (0-6") 6-Nov-98	T-12-3 (0-6") 6-Nov-98	T-12-5 (0-6") 1-Nov-99 **
Organics									
Semi-Volatile Organic Compounds (ug/kg)			*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene		-							
Fluoranthene		270							
Naphthalene		-							
Benzo(a)anthracene		110							
Benzo(a,e)pyrene		310							
Benzo(b)fluoranthene		180							
Benzo(k)fluoranthene		160							
Chrysene		230							
Acenaphthylene		-							
Anthracene		-							
Benzo(g,h,i)perylene		120							
Fluorene		-							
Phenanthrene		150							
Dibenzo(a,h)anthracene		-							
Indeno(1,2,3-cd)pyrene		140							
Pyrene		280							
Methylnaphthalene, 1-		-							
Methylnaphthalene, 2-		-							
Perylene		140							
1-Methylphenanthrene		100							
Biphenyl		-							
Total sVOCs		*2,190*							
Polychlorinated Biphenyls (ug/kg)				-	-	-	-		
Aroclor 1254		-	6,460					-	3,520
Aroclor 1260		3,870	-					1,300	-
Total PCBs		*3,870*	*6,460*					*1,300*	*3,520*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*1,030*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-12-6 (0-6") 1-Nov-99 **	T-12-8 (0-6") 1-Nov-99 **	T-12-9* (0-6') 1-Nov-99 **	T-12-10 (0-6") 1-Nov-99 **	T-12-11 (0-6") 1-Nov-99 **	T-12-13 (0-6"0 1-Nov-99 **	T-12-14 (0-6") 1-Nov-99 **	T-12-15 (0-6") 1-Nov-99 **
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*	*NA*		*NA*	*NA*	*NA*		*NA*
Acenaphthene				-				-	
Fluoranthene				190				48	
Naphthalene				-				-	
Benzo(a)anthracene				76				-	
Benzo(a,e)pyrene				200				-	
Benzo(b)fluoranthene				120				-	
Benzo(k)fluoranthene				110				-	
Chrysene				140				34	
Acenaphthylene				-				-	
Anthracene				-				-	
Benzo(g,h,i)perylene				90				-	
Fluorene				-				-	
Phenanthrene				82				-	
Dibenzo(a,h)anthracene				-				-	
Indeno(1,2,3-cd)pyrene				100				-	
Pyrene				180				46	
Methylnaphthalene, 1-				-				-	
Methylnaphthalene, 2-				-				-	
Perylene				-				-	
1-Methylphenanthrene				-				36	
Biphenyl				-				-	
Total sVOCs				*1,288*				*164*	
Polychlorinated Biphenyls (ug/kg)								-	
Aroclor 1254		2,260	6,560	2,340	1,680	1,090	2,170		3,100
Aroclor 1260		-	-	-	-	-	-		-
Total PCBs		*2,260*	*6,560*	*2,340*	*1,680*	*1,090*	*2,170*		*3,100*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-12.1-1 (0-6") 1-Nov-99 **	T-12.1-4 (0-6") 1-Nov-99 **	T-12.1-6 (0-6") 2-Nov-99 **	T-12.1-7 (0-6") 2-Nov-99 **	T-13-3 (0-6") 6-Nov-98	T-13-6* (0-6") 1-Nov-99 **	T-13-7 (0-6") 2-Nov-99 **	T-13-8 (0-6") 2-Nov-99 **
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*	*NA*	*NA*	*NA*	*NA*		*NA*	*NA*
Acenaphthene							-		
Fluoranthene							250		
Naphthalene							-		
Benzo(a)anthracene							110		
Benzo(a,e)pyrene							240		
Benzo(b)fluoranthene							110		
Benzo(k)fluoranthene							130		
Chrysene							160		
Acenaphthylene							42		
Anthracene							26		
Benzo(g,h,i)perylene							90		
Fluorene							-		
Phenanthrene							120		
Dibenzo(a,h)anthracene							28		
Indeno(1,2,3-cd)pyrene							100		
Pyrene							250		
Methylnaphthalene, 1-							-		
Methylnaphthalene, 2-							-		
Perylene							29		
1-Methylphenanthrene							35		
Biphenyl							-		
Total sVOCs							*1,720*		
Polychlorinated Biphenyls (ug/kg)									
Aroclor 1254		4,510	4,480	4,000	2,160	-	435	3,750	3,410
Aroclor 1260		-	-	-	-	1,900	-	-	-
Total PCBs		*4,510*	*4,480*	*4,000*	*2,160*	*1,900*	*435*	*3,750*	*3,410*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*1,630*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-13-9* (0-6") 1-Nov-99 **	T-14-C* (0-6') 1-Nov-99 **	T-14-3 (0-6") 6-Nov-98	T-14-6 (0-6") 2-Nov-99 **	T-14-7* (0-6') 2-Nov-99 **	T-14-8 (0-6") 1-Nov-99 **	T-15-2* (0-6") 2-Nov-99 **	FP-1 (0-6") 9-Nov-98
Organics									
Semi-Volatile Organic Compounds (ug/kg)				*NA*	*NA*		*NA*		*NA*
Acenaphthene		-	-			-		-	
Fluoranthene		93	380			360		380	
Naphthalene		-	-			-		-	
Benzo(a)anthracene		44	170			150		170	
Benzo(a,e)pyrene		90	360			360		330	
Benzo(b)fluoranthene		48	180			190		160	
Benzo(k)fluoranthene		46	190			190		180	
Chrysene		66	250			240		240	
Acenaphthylene		-	59			55		65	
Anthracene		-	37			34		42	
Benzo(g,h,i)perylene		32	140			140		120	
Fluorene		-	-			-		-	
Phenanthrene		46	180			160		180	
Dibenzo(a,h)anthracene		-	37			37		36	
Indeno(1,2,3-cd)pyrene		37	150			160		140	
Pyrene		91	370			350		380	
Methylnaphthalene, 1-		-	-			-		-	
Methylnaphthalene, 2-		-	-			-		-	
Perylene		-	45			42		41	
1-Methylphenanthrene		-	48			39		53	
Biphenyl		-	-			-		-	
Total sVOCs		*593*	*2,596*			*2,507*		*2,517*	
Polychlorinated Biphenyls (ug/kg)		-							
Aroclor 1254			5,700	-	2,790	1,500	1,970	5,120	-
Aroclor 1260			-	2,400	-	-	-	-	6,600
Total PCBs			*5,700*	*2,400*	*2,790*	*1,500*	*1,970*	*5,120*	*6,600*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*2,500*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	FP-2 (0-6") 9-Nov-98	FP-3 (0-6") 9-Nov-98	FP-4 (0-6") 9-Nov-98	FP-5 (0-6") 9-Nov-98	S-1 Jul-95	S-3 Jul-95	S-5 Jul-95	S-9 Jul-95
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Acenaphthene									
Fluoranthene									
Naphthalene									
Benzo(a)anthracene									
Benzo(a,e)pyrene									
Benzo(b)fluoranthene									
Benzo(k)fluoranthene									
Chrysene									
Acenaphthylene									
Anthracene									
Benzo(g,h,i)perylene									
Fluorene									
Phenanthrene									
Dibenzo(a,h)anthracene									
Indeno(1,2,3-cd)pyrene									
Pyrene									
Methylnaphthalene, 1-									
Methylnaphthalene, 2-									
Perylene									
1-Methylphenanthrene									
Biphenyl									
Total sVOCs									
Polychlorinated Biphenyls (ug/kg)			-	-	-	-			-
Aroclor 1254		-					-	-	
Aroclor 1260		92,000					1,000	1,400	
Total PCBs		*92,000*					*1,000*	*1,400*	
PCB Congener Analysis									
Total PCBs		*82,300*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	S-11 Jul-95	SS-1 Mar-90	SS-2 Mar-90	SS-2D Mar-90 DUP	SS-3 Mar-90	SS-4 Mar-90	GMS-1 Jul-89	GMS-2 Jul-89
Organics									
Semi-Volatile Organic Compounds (ug/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*		
Acenaphthene									
Fluoranthene									
Naphthalene									
Benzo(a)anthracene									
Benzo(a,e)pyrene									
Benzo(b)fluoranthene									
Benzo(k)fluoranthene									
Chrysene									
Acenaphthylene									
Anthracene									
Benzo(g,h,i)perylene									
Fluorene									
Phenanthrene									
Dibenzo(a,h)anthracene									
Indeno(1,2,3-cd)pyrene									
Pyrene									
Methylnaphthalene, 1-									
Methylnaphthalene, 2-									
Perylene									
1-Methylphenanthrene									
Biphenyl									
Total sVOCs								*236*	*413*
Polychlorinated Biphenyls (ug/kg)		-	-	-	-	-	-		
Aroclor 1254								-	-
Aroclor 1260								24,000	98,000
Total PCBs								*24,000*	*98,000*
PCB Congener Analysis									
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	GMS-3 Jul-89	GMS-4 Jul-89	GMS-5 Jul-89	GMS-6 Jul-89	GMS-7 Jul-89	GMS-8 Jul-89	GMS-9 Jul-89
Organics								
Semi-Volatile Organic Compounds (ug/kg)								
Acenaphthene								
Fluoranthene								
Naphthalene								
Benzo(a)anthracene								
Benzo(a,e)pyrene								
Benzo(b)fluoranthene								
Benzo(k)fluoranthene								
Chrysene								
Acenaphthylene								
Anthracene								
Benzo(g,h,i)perylene								
Fluorene								
Phenanthrene								
Dibenzo(a,h)anthracene								
Indeno(1,2,3-cd)pyrene								
Pyrene								
Methylnaphthalene, 1-								
Methylnaphthalene, 2-								
Perylene								
1-Methylphenanthrene								
Biphenyl								
Total sVOCs		*696*	*1,004*	*584*	*5.9*	*10.9*	*30.4*	*2.3*
Polychlorinated Biphenyls (ug/kg)								
Aroclor 1254		-	-	-	-	-	-	-
Aroclor 1260		45,000	102,000	117,000	1,800	1,800	2,800	30,400
Total PCBs		*45,000*	*102,000*	*117,000*	*1,800*	*1,800*	*2,800*	*30,400*
PCB Congener Analysis								
Total PCBs		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11a
Summary of Sediment SVOC Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	GMS-10 Jul-89	GMS-11 Jul-89	GMS-12 Jul-89
Organics				
Semi-Volatile Organic Compounds (ug/kg)				*NA*
Acenaphthene				
Fluoranthene				
Naphthalene				
Benzo(a)anthracene				
Benzo(a,e)pyrene				
Benzo(b)fluoranthene				
Benzo(k)fluoranthene				
Chrysene				
Acenaphthylene				
Anthracene				
Benzo(g,h,i)perylene				
Fluorene				
Phenanthrene				
Dibenzo(a,h)anthracene				
Indeno(1,2,3-cd)pyrene				
Pyrene				
Methylnaphthalene, 1-				
Methylnaphthalene, 2-				
Perylene				
1-Methylphenanthrene				
Biphenyl				
Total sVOCs		*5.1*	*3.4*	
Polychlorinated Biphenyls (ug/kg)				
Aroclor 1254		-	-	-
Aroclor 1260		900	1,100	1,000
Total PCBs		*900*	*1,100*	*1,000*
PCB Congener Analysis				
Total PCBs		*NA*	*NA*	*NA*

Notes:

- = Analytical result below the method detection limit
* = Sum of Benzo(a)pyrene and Benzo(e)pyrene analysis
** = Samples submitted for analysis on 5/24/00
NA = Not Analyzed
µg/kg =microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-1-B (0-6") 6-Oct-99	T-1-C (0-6") 29-Oct-99	T-1-1 (0-6") 6-Oct-99	T-1-4 (0-6") 6-Oct-99	T-1-6 (0-6") 6-Oct-99	T-2-A (0-6") 6-Oct-99
Organics							
Volatile Petroleum Hydrocarbons (ug/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	-
C_5 - C_8 Aliphatics							
C_9 - C_{12} Aliphatics							
C_9 - C_{10} Aromatics							
p/m-Xylene							
o-Xylene							
Total VPH							
Extractable Petroleum Hydrocarbons (ug/kg)							
C_9 - C_{18} Aliphatics		-	-	-	264,000	-	310,000
C_{19} - C_{36} Aliphatics		-	-	17,500	2,670,000	13,200	4,730,000
C_{11} - C_{22} Aromatics		36,500	202,000	228,000	510,000	104,000	973,000
Total EPH		-	*202,000*	*245,500*	*3,444,000*	*117,200*	*6,013,000*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-2-D (0-6") 6-Oct-99	T-2-G (0-6") 29-Oct-99	T-2-6 (0-6") 6-Oct-99	T-2-7 (0-6") 6-Oct-99	T-2-7 (12-18") 6-Oct-99
Organics						
Volatile Petroleum Hydrocarbons (ug/kg)		*NA*	*NA*	-	*NA*	*NA*
C_5 - C_8 Aliphatics						
C_9 - C_{12} Aliphatics						
C_9 - C_{10} Aromatics						
p/m-Xylene						
o-Xylene						
Total VPH						
Extractable Petroleum Hydrocarbons (ug/kg)						
C_9 - C_{18} Aliphatics		19,400	-	-	1,400,000	630,000
C_{19} - C_{36} Aliphatics		150,000	-	2,100,000	4,750,000	3,820,000
C_{11} - C_{22} Aromatics		105,000	13,700	2,210,000	1,390,000	1,420,000
Total EPH		*274,400*	*13,700*	*4,310,000*	*7,540,000*	*5,870,000*

Notes:

- = Analytical result below the method detection limit.

NA = Not Analyzed.

µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-2-8 (0-6") 6-Oct-99	T-2-8 (12-18") 6-Oct-99	T-2-11 (0-6") 29-Oct-99	T-3-A (0-6") 29-Oct-99	T-3-C (0-6") 29-Oct-99
Organics						
Volatile Petroleum Hydrocarbons (ug/kg)		-	*NA*	*NA*	*NA*	*NA*
C_5 - C_8 Aliphatics						
C_9 - C_{12} Aliphatics						
C_9 - C_{10} Aromatics						
p/m-Xylene						
o-Xylene						
Total VPH						
Extractable Petroleum Hydrocarbons (ug/kg)						
C_9 - C_{18} Aliphatics		654,000	6,080,000	-	43,900	-
C_{19} - C_{36} Aliphatics		2,300,000	19,400,000	162,000	156,000	17,300
C_{11} - C_{22} Aromatics		523,000	10,600,000	131,000	65,400	21,600
Total EPH		*3,477,000*	*36,080,000*	*293,000*	*265,300*	*38,900*

Notes:

- = Analytical result below the method detection limit.

NA = Not Analyzed.

µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-3-1 (0-6") 6-Oct-99	T-3-1 (12-18") 6-Oct-99	T-3-6 (0-6") 6-Oct-99	T-3-6 (12-18") 6-Oct-99	T-3-7 (0-6") 6-Oct-99	T-3-7 (18+") 6-Oct-99
Organics							
Volatile Petroleum Hydrocarbons (ug/kg)		-	*NA*		*NA*		*NA*
C_5 - C_8 Aliphatics				29,700		-	
C_9 - C_{12} Aliphatics				75,800		19,000	
C_9 - C_{10} Aromatics				-		5,390	
p/m-Xylene				-		391	
o-Xylene				-		354	
Total VPH				*105,500*		*25,135*	
Extractable Petroleum Hydrocarbons (ug/kg)		-	-				
C_9 - C_{18} Aliphatics				64,500	33,500	42,400	2,770,000
C_{19} - C_{36} Aliphatics				1,110,000	116,000	824,000	6,130,000
C_{11} - C_{22} Aromatics				780,000	76,700	787,000	4,230,000
Total EPH				*1,954,500*	*226,200*	*1,653,400*	*13,130,000*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-3-8 (0-6") 6-Oct-99	T-3-8 (12-18") 6-Oct-99	T-5-A (0-6") 6-Oct-99	T-5-A (12-18") 6-Oct-99	T-5-D (0-6") 29-Oct-99	T-5-F (0-6") 29-Oct-99
Organics							
Volatile Petroleum Hydrocarbons (ug/kg)		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
C_5 - C_8 Aliphatics							
C_9 - C_{12} Aliphatics							
C_9 - C_{10} Aromatics							
p/m-Xylene							
o-Xylene							
Total VPH							
Extractable Petroleum Hydrocarbons (ug/kg)							
C_9 - C_{18} Aliphatics		903,000	137,000	206,000	-	-	-
C_{19} - C_{36} Aliphatics		2,590,000	657,000	607,000	-	-	39,400
C_{11} - C_{22} Aromatics		924,000	276,000	292,000	36,000	50,700	50,500
Total EPH		*4,417,000*	*1,070,000*	*1,105,000*	*36,000*	*50,700*	*89,900*

Notes:

- = Analytical result below the method detection limit.

NA = Not Analyzed.

µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-5-6 (0-6") 6-Oct-99	T-5-6 (12-18") 6-Oct-99	T-5-7 (0-6") 6-Oct-99	T-5-7 (12-18") 6-Oct-99	T-5-10 (0-6") 6-Oct-99	T-5-11 (0-6") 29-Oct-99
Organics							
Volatile Petroleum Hydrocarbons (ug/kg)		-	-	*NA*	*NA*		*NA*
C_5 - C_8 Aliphatics						-	
C_9 - C_{12} Aliphatics						14,600	
C_9 - C_{10} Aromatics						-	
p/m-Xylene						2,270	
o-Xylene						-	
Total VPH						*16,870*	
Extractable Petroleum Hydrocarbons (ug/kg)						*NA*	
C_9 - C_{18} Aliphatics		1,300,000	-	798,000	51,600		83,200
C_{19} - C_{36} Aliphatics		3,200,000	92,300	2,200,000	126,000		376,000
C_{11} - C_{22} Aromatics		1,860,000	38,500	732,000	32,600		626,000
Total EPH		*6,360,000*	*130,800*	*3,730,000*	*210,200*		*1,085,200*

Notes:

- = Analytical result below the method detection limit.
NA = Not Analyzed.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-7-A (0-6") 5-Oct-99	T-7-A (12-18") 5-Oct-99	T-7-B (0-6") 29-Oct-99	T-7-C (0-6") 5-Oct-99	T-7-F (0-6") 2-Nov-99
Organics						
Volatile Petroleum Hydrocarbons (ug/kg)		*NA*	*NA*	*NA*	*NA*	*NA*
C_5 - C_8 Aliphatics						
C_9 - C_{12} Aliphatics						
C_9 - C_{10} Aromatics						
p/m-Xylene						
o-Xylene						
Total VPH						
Extractable Petroleum Hydrocarbons (ug/kg)						
C_9 - C_{18} Aliphatics		316,000	132,000	85,900	123,000	-
C_{19} - C_{36} Aliphatics		1,340,000	434,000	159,000	788,000	42,400
C_{11} - C_{22} Aromatics		388,000	225,000	61,500	493,000	59,900
Total EPH		*2,044,000*	*791,000*	*306,400*	*1,404,000*	*102,300*

Notes:

- = Analytical result below the method detection limit.
NA = Not Analyzed.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-7-6 (0-6") 5-Oct-99	T-7-6 (12-18") 5-Oct-99	T-7-7 (0-6") 5-Oct-99	T-7-11 (0-6") 5-Oct-99	T-7-13 (0-6") 28-Oct-99	T-8-A (0-6") 5-Oct-99
Organics							
Volatile Petroleum Hydrocarbons (ug/kg)		*NA*	*NA*	*NA*	-	*NA*	*NA*
C_5 - C_8 Aliphatics							
C_9 - C_{12} Aliphatics							
C_9 - C_{10} Aromatics							
p/m-Xylene							
o-Xylene							
Total VPH							
Extractable Petroleum Hydrocarbons (ug/kg)					*NA*	-	
C_9 - C_{18} Aliphatics		250,000	-	584,000			-
C_{19} - C_{36} Aliphatics		776,000	-	1,520,000			495,000
C_{11} - C_{22} Aromatics		304,000	59,600	503,000			244,000
Total EPH		*1,330,000*	*59,600*	*2,607,000*			*739,000*

Notes:
- = Analytical result below the method detection limit.
NA = Not Analyzed.
µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11b
Summary of Sediment Petroleum Hydrocarbon Analytical Results
Raytheon Corporation
Wayland, Massachusetts

Parameter	Sample I.D. Depth Date Sampled Comments	T-8-B (0-6") 1-Nov-99	T-8-6 (0-6") 5-Oct-99	T-8-8 (0-6") 1-Nov-99	T-8-10 (0-6") 1-Nov-99	T-8-12 (0-6") 1-Nov-99
Organics						
Volatile Petroleum Hydrocarbons (ug/kg)		*NA*	*NA*	*NA*	*NA*	*NA*
C_5 - C_8 Aliphatics						
C_9 - C_{12} Aliphatics						
C_9 - C_{10} Aromatics						
p/m-Xylene						
o-Xylene						
Total VPH						
Extractable Petroleum Hydrocarbons (ug/kg)						
C_9 - C_{18} Aliphatics		-	-	147,000	166,000	89,800
C_{19} - C_{36} Aliphatics		175,000	-	243,000	298,000	273,000
C_{11} - C_{22} Aromatics		234,000	97,100	-	-	86,600
Total EPH		*409,000*	*97,100*	*390,000*	*464,000*	*449,400*

Notes:

- = Analytical result below the method detection limit.

NA = Not Analyzed.

µg/kg = microgram per kilogram (parts per billion (ppb)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-1-B (0-6") 6-Oct-99	T-1-1 (0-6") 6-Oct-99	T-1-2 (0-6") 5-Nov-98	T-1-3 (0-6") 5-Nov-98	T-1-4 (0-6") 6-Oct-99	T-1-6 (0-6") 6-Oct-99
Inorganics						
Total Metals (mg/kg)						
Aluminum	5,400	3,800	-		4,200	4,500
Antimony	-	-	-	-	8.6	-
Arsenic	5.8	2.8	-	-	4.7	3.0
Barium	30	17	-	-	66	32
Beryllium	0.4	0.3	-	-	-	0.3
Cadmium	0.4	0.3	-	-	1.1	0.7
Calcium	970	880	-	-	1,200	3,400
Chromium	33	20	614	876	2,700	13
Chromium , Hexavalent	-	-	-	-	28	-
Cobalt	2.4	2.9	-	-	2.6	3.8
Copper	39	28	799	755	690	20
Iron	6,500	5,800	-	-	8,700	6,100
Lead	22	18	550	608	740	44
Magnesium	1,300	1,600	-	-	1,800	1,600
Manganese	110	110	-	-	72	190
Mercury	-	-	-	-	5.3	-
Nickel	6.8	5.6	-	-	13	6.6
Potassium	420	450	-	-	500	620
Selenium	-	-	-	-	1.5	-
Silver	1.6	1.8	-	-	70.0	0.2
Sodium	54	35	-	-	54	33
Thallium	-	-	-	-	-	-
Tin	-	-	-	-	-	-
Vanadium	12	10	-	-	130	12
Zinc	23	29	-	-	49	61

Notes:

- = Analytical result below the method detection limit.
** = Samples submitted for analysis on 5/24/00.
NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-2-A (0-6") 6-Oct-99	T-2-A (12-18") 6-Oct-99	T-2-A (18+") 6-Oct-99	T-2-D (0-6") 6-Oct-99	T-2-D (12-18") 6-Oct-99	T-2-F (0-6") 29-Oct-99 **	T-2-G (0-6") 1-Nov-99	T-2-1 (0-6") 5-Nov-98
Inorganics								
Total Metals (mg/kg)								
Aluminum	7,400	23,000	12,000	9,100	6,300	4,200	3,500	-
Antimony	14	-	-	-	-	-	-	-
Arsenic	9.9	35.0	14.0	8.8	13.0	3.0	3.3	-
Barium	150	94	54	41	24	36	19	-
Beryllium	-	1.4	0.9	0.8	0.5	0.37	0.3	-
Cadmium	4.2	6.0	1.5	0.6	0.7	-	0.2	-
Calcium	2,600	1,400	1,000	1,700	1,700	3,000	1,200	-
Chromium	4,300	440	270	67	62	25	7	3,680
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	3.3	13.0	7.1	5.9	3.5	4.6	2.9	-
Copper	2,700	600	270	93	77	46	12	4,040
Iron	15,000	23,000	12,000	7,800	7,400	6,600	5,800	-
Lead	710	120	57	30	30	34	12	1,220
Magnesium	3,200	5,100	2,600	2,000	1,900	1,800	1,500	-
Manganese	230	300	190	170	230	200	100	-
Mercury	2.7	-	0.8	-	-	-	-	-
Nickel	20	35	16	12	9.1	11	6.4	-
Potassium	830	1,700	970	650	640	500	520	-
Selenium	-	-	-	-	-	-	-	-
Silver	140	45	13	3.4	2.7	1.3	-	-
Sodium	300	200	140	100	130	-	34	-
Thallium	-	-	-	-	-	-	-	-
Tin	20	-	-	-	-	-	-	-
Vanadium	130	71	31	21	16	16	10	-
Zinc	210	290	110	47	41	39	27	-

Notes:

- = Analytical result below the method detection limit.

** = Samples submitted for analysis on 5/24/00.

NA = Not Analyzed.

mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-2-2 (0-6") 5-Nov-98	T-2-3 (0-6") 5-Nov-98	T-2-4 (0-6") 5-Nov-98	T-2-5 (0-6") 5-Nov-98	T-2-6 (0-6") 6-Oct-99	T-2-7 (0-6") 6-Oct-99	T-2-7 (12-18") 6-Oct-99	T-2-7 (18+") 6-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	-	-	-	-	5,800	4,000	5,800	3,200
Antimony	-	-	-	-	-	54	17	14
Arsenic	-	-	-	-	7.8	12	13	11
Barium	-	-	-	-	53	190	130	96
Beryllium	-	-	-	-	0.3	-	-	-
Cadmium	-	-	-	-	1.5	13.0	4.9	5.2
Calcium	-	-	-	-	1,600	1,500	1,400	1,500
Chromium	125	792	3,760	8,540	120	16,000	5,300	4,100
Chromium , Hexavalent	-	-	-	-	-	440	64	67
Cobalt	-	-	-	-	5.2	-	3.7	-
Copper	1,060	1,060	365	4,690	540	6,800	3,300	3,000
Iron	-	-	-	-	13,000	11,000	12,000	8,600
Lead	305	450	817	606	290	870	680	550
Magnesium	-	-	-	-	2,500	1,000	2,400	760
Manganese	-	-	-	-	170	62	100	76
Mercury	-	-	-	-	0.4	6.2	2.5	4.9
Nickel	-	-	-	-	17	11	15	9.9
Potassium	-	-	-	-	720	-	740	-
Selenium	-	-	-	-	-	2.8	-	-
Silver	-	-	-	-	9.2	190	200	190
Sodium	-	-	-	-	180	95	130	120
Thallium	-	-	-	-	-	3.9	-	-
Tin	-	-	-	-	-	310	150	210
Vanadium	-	-	-	-	43	180	140	110
Zinc	-	-	-	-	260	170	120	120

Notes:

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mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-2-8 (0-6") 6-Oct-99	T-2-8 (12-18") 6-Oct-99	T-2-8 (18+") 6-Oct-99	T-2-9 (0-6") 6-Oct-99	T-2-9 (12-18") 6-Oct-99	T-2-9 (18+") 6-Oct-99	T-3-A (0-6") 29-Oct-99	T-3-C (0-6") 29-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	6,700	7,400	20,000	6,400	8,900	9,000	6,200	3,000
Antimony	26	62	-	-	-	-	-	-
Arsenic	40	120	27	3.4	5.1	5.0	51	2.7
Barium	350	330	86	24	29	32	53	15
Beryllium	-	-	1.3	0.4	0.5	0.5	-	0.3
Cadmium	8.1	44	2.1	0.3	0.3	0.3	2.4	-
Calcium	11,000	5,500	2,500	700	650	680	3,300	830
Chromium	8,300	19,000	260	8	12	13	710	12
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	-	14.0	13.0	3.3	4.4	4.4	4.7	2.8
Copper	8,100	20,000	300	11	12	12	920	14
Iron	44,000	73,000	22,000	5,600	9,200	9,400	9,300	5,200
Lead	1,200	990	82	12	9.2	14	160	11
Magnesium	2,600	1,400	5,200	1,500	2,600	2,700	2,000	1,300
Manganese	610	360	310	130	170	170	350	110
Mercury	6.5	4.5	-	-	-	-	0.7	-
Nickel	24	96	28	6.1	9.2	10	14	5.3
Potassium	-	-	2,100	570	800	830	530	490
Selenium	-	-	-	-	-	-	-	-
Silver	540	550	62	-	-	-	61	-
Sodium	440	440	200	29	54	53	260	29
Thallium	-	-	-	-	-	-	-	-
Tin	310	510	-	-	-	-	-	-
Vanadium	140	290	45	12	15	17	53	9.7
Zinc	470	1,700	240	23	24	25	140	21

Notes:

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NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-3-1 (0-6") 6-Oct-99	T-3-1 (12-18") 6-Oct-99	T-3-2 (0-6") 5-Nov-98	T-3-3 (0-6") 5-Nov-98	T-3-4 (0-6") 5-Nov-98	T-3-5 (0-6") 5-Nov-98	T-3-5 Plant 28-Oct-99
Inorganics							
Total Metals (mg/kg)							
Aluminum	16,000	7,900	-	-	-	-	11,000
Antimony	-	-	-	-	-	-	6.4
Arsenic	160	76	-	-	-	-	9.5
Barium	89	36	-	-	-	-	85
Beryllium	1.3	1.3	-	-	-	-	0.8
Cadmium	9.4	2.4	-	-	-	-	2.2
Calcium	5,600	4,400	-	-	-	-	1,500
Chromium	900	98	2,680	8,310	1,890	7,350	1,300
Chromium , Hexavalent	-	-	-	-	-	-	-
Cobalt	8.7	-	-	-	-	-	5.5
Copper	1,200	130	1,660	5,150	4,800	5,320	1,200
Iron	18,000	5,300	-	-	-	-	14,000
Lead	260	44	454	946	308	851	180
Magnesium	4,700	680	-	-	-	-	3,200
Manganese	740	600	-	-	-	-	230
Mercury	-	-	-	-	-	-	1.0
Nickel	34	8.3	-	-	-	-	16
Potassium	1,100	-	-	-	-	-	850
Selenium	-	-	-	-	-	-	-
Silver	81	7.7	-	-	-	-	76
Sodium	380	270	-	-	-	-	110
Thallium	-	-	-	-	-	-	-
Tin	-	-	-	-	-	-	-
Vanadium	97	18	-	-	-	-	59
Zinc	370	78	-	-	-	-	150

Notes:

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Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-3-6 (0-6") 6-Oct-99	T-3-6 (12-18") 6-Oct-99	T-3-6 (18+") 6-Oct-99	T-3-7 (0-6") 6-Oct-99	T-3-8 (0-6") 6-Oct-99	T-3-8 (12-18") 6-Oct-99	T-3-8 (18+") 6-Oct-99	T-3-8 Plant 28-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	14,000	14,000	26,000	8,600	11,000	4,900	5,700	8,400
Antimony	-	-	-	-	100	-	-	43
Arsenic	19	18	19	12	25	3.2	3.8	84
Barium	200	77	95	63	490	33	24	350
Beryllium	-	0.8	1.5	0.5	1.1	-	0.4	-
Cadmium	5.3	3.1	2.4	2.3	32	0.8	1.7	7.1
Calcium	3,100	2,000	2,100	2,600	3,700	840	710	11,000
Chromium	870	370	210	290	37,000	650	230	9,600
Chromium , Hexavalent	-	-	-	-	100	-	-	-
Cobalt	6.2	7.3	13.0	6.5	-	2.9	4.9	-
Copper	2,600	480	270	830	15,000	1,200	490	6,200
Iron	18,000	14,000	23,000	14,000	40,000	8,900	7,300	57,000
Lead	960	160	63	440	2,300	99	29	1,300
Magnesium	5,100	3,700	7,100	3,400	3,800	1,900	2,000	3,500
Manganese	260	210	330	180	160	72	75	870
Mercury	2.4	0.5	-	1.2	8.0	-	-	8.7
Nickel	33	23	32	22	32	10	13	30
Potassium	1,100	1,600	2,300	1,100	-	470	580	-
Selenium	-	-	-	-	-	-	-	-
Silver	220	62	21	19	560	24	5.8	340
Sodium	460	260	280	340	210	54	65	560
Thallium	-	-	-	-	11	-	-	-
Tin	-	-	-	11	360	6	-	150
Vanadium	160	55	54	65	330	40	15	150
Zinc	340	210	160	440	390	77	190	370

Notes:

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Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-3-11 (0-6") 6-Oct-99	T-3-11 (12-18") 6-Oct-99	T-3-13 (0-6") 6-Oct-99 **	T-4-2 (0-6") 5-Nov-98	T-4-3 (0-6") 5-Nov-98	T-4-4 (0-6") 5-Nov-98	T-4-5 (0-6") 5-Nov-98
Inorganics							
Total Metals (mg/kg)							
Aluminum	23,000	12,000	8,900	-	-	-	-
Antimony	-	-	-	-	-	-	-
Arsenic	12	5.1	4.4	-	-	-	-
Barium	87	36	39	-	-	-	-
Beryllium	1.4	1.0	0.6	-	-	-	-
Cadmium	2.5	0.6	0.4	-	-	-	-
Calcium	3,000	3,100	1,700	-	-	-	-
Chromium	69	14	13	9,500	3,600	7,860	2,380
Chromium , Hexavalent	-	-	-	-	-	-	-
Cobalt	8.8	2.7	6.6	-	-	-	-
Copper	170	13	29	5,890	4,510	7,310	2,590
Iron	20,000	6,600	12,000	-			
Lead	330	38	17	986	526	583	310
Magnesium	6,400	1,200	3,800	-	-	-	-
Manganese	250	180	330	-	-	-	-
Mercury	-	-	-	-	-	-	-
Nickel	33	7.4	11	-	-	-	-
Potassium	1,400	350	980	-	-	-	-
Selenium	-	-	-	-	-	-	-
Silver	1.4	-	-	-	-	-	-
Sodium	210	220	47	-	-	-	-
Thallium	-	-	-	-	-	-	-
Tin	-	-	-	-	-	-	-
Vanadium	57	15	21	-	-	-	-
Zinc	190	31	42	-	-	-	-

Notes:

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mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-5-A (0-6") 6-Oct-99	T-5-A (12-18") 6-Oct-99	T-5-C (0-6") 6-Oct-99	T-5-D (0-6") 29-Oct-99	T-5-F (0-6") 29-Oct-99	T-5-1 (0-6") 5-Nov-98	T-5-2 (0-6") 5-Nov-98	T-5-2 Plant 28-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	9,800	7,200	4,600	8,600	7,700	-	-	9,300
Antimony	-	-	-	-	-	-	-	24
Arsenic	150	27	25	37	14	-	-	23
Barium	240	39	69	100	52	-	-	240
Beryllium	-	1.0	-	-	0.9	-	-	-
Cadmium	5.7	1.8	6.5	3.2	4.8	-	-	7.7
Calcium	4,200	2,800	1,600	4,900	3,600	-	-	3,300
Chromium	4,300	110	740	580	48	4,140	843	5,200
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	-	3.3	-	6.9	3.2	-	-	5.5
Copper	3,300	120	1,300	780	81	2,860	863	3,900
Iron	12,000	4,900	4,500	11,000	3,700	-	-	19,000
Lead	580	27	250	180	58	501	210	640
Magnesium	2,800	340	780	2,500	730	-	-	3,100
Manganese	420	270	110	220	130	-	-	340
Mercury	4.3	-	2.0	1.6	0.3	-	-	2.8
Nickel	22	13	12	22	13	-	-	26
Potassium	-	-	-	500	-	-	-	960
Selenium	-	-	-	-	-	-	-	-
Silver	240	4.9	82	49	3.2	-	-	120
Sodium	440	240	240	270	200	-	-	340
Thallium	-	-	-	-	-	-	-	-
Tin	73	-	18	-	-	-	-	52
Vanadium	130	16	45	68	20	-	-	88
Zinc	230	230	130	150	180	-	-	400

Notes:

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Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-5-3 (0-6") 5-Nov-98	T-5-4 (0-6") 5-Nov-98	T-5-5 (0-6") 5-Nov-98	T-5-6 (0-6") 6-Oct-99	T-5-7 (0-6") 6-Oct-99	T-5-7 (12-18") 6-Oct-99	T-5-9 (0-6") 6-Oct-99	T-5-10 (0-6") 6-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	-	-	-	9,100	8,400	7,500	5,300	6,700
Antimony	-	-	-	43	38	-	28	22
Arsenic	-	-	-	23	17	5.4	22	18
Barium	-	-	-	370	350	42	240	330
Beryllium	-	-	-	-	-	1.0	-	-
Cadmium	-	-	-	29.0	14	2.1	6.1	1.8
Calcium	-	-	-	3,300	3,900	2,800	2,200	1,700
Chromium	307	197	8,720	29,000	24,000	380	20,000	16,000
Chromium , Hexavalent	-	-	-	-	-	-	490	-
Cobalt	-	-	-	-	-	2.8	-	-
Copper	880	519	10,400	22,000	14,000	650	8,400	3,000
Iron	-	-	-	16,000	14,000	2,900	22,000	24,000
Lead	228	221	1,180	1,700	1,400	41	1,100	1,200
Magnesium	-	-	-	3,400	3,200	280	1,600	2,800
Manganese	-	-	-	100	140	86	120	110
Mercury	-	-	-	18	12	-	12	6.8
Nickel	-	-	-	29	23	11	12	16
Potassium	-	-	-	680	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	-	-	-	430	500	12	320	490
Sodium	-	-	-	280	270	130	260	360
Thallium	-	-	-	7.2	-	-	-	-
Tin	-	-	-	490	360	-	560	370
Vanadium	-	-	-	300	190	13	190	240
Zinc	-	-	-	470	390	130	130	110

Notes:

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** = Samples submitted for analysis on 5/24/00.
NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-5-11 (0-6") 1-Nov-99	T-5-12 (0-6") 5-Oct-99 **	T-6-1 (0-6") 6-Nov-98	T-6-2 (0-6") 6-Nov-98	T-6-3 (0-6") 6-Nov-98	T-6-4 (0-6") 6-Nov-98	T-6-5 (0-6") 6-Nov-98	T-6-6 (0-6") 6-Nov-98
Inorganics								
Total Metals (mg/kg)								
Aluminum	7,600	10,000	-	-	-	-	-	-
Antimony	-	-	-	-	-	-	-	-
Arsenic	11	5.6	-	-	-	-	-	-
Barium	39	57	-	-	-	-	-	-
Beryllium	-	0.7	-	-	-	-	-	-
Cadmium	1.0	3.2	-	-	-	-	-	-
Calcium	2,200	2,900	-	-	-	-	-	-
Chromium	490	110	12,500	5,390	389	2,220	956	3,400
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	4.3	3.6	-	-	-	-	-	-
Copper	380	160	8,230	5,570	444	2,980	2,910	6,880
Iron	12,000	10,000	-	-	-	-	-	-
Lead	500	340	981	673	82.7	1,210	290	487
Magnesium	2,900	3,000	-	-	-	-	-	-
Manganese	150	170	-	-	-	-	-	-
Mercury	0.4	-	-	-	-	-	-	-
Nickel	16	18	-	-	-	-	-	-
Potassium	520	440	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	5.9	3.8	-	-	-	-	-	-
Sodium	120	240	-	-	-	-	-	-
Thallium	-	-	-	-	-	-	-	-
Tin	-	-	-	-	-	-	-	-
Vanadium	46	45	-	-	-	-	-	-
Zinc	92	110	-	-	-	-	-	-

Notes:

- = Analytical result below the method detection limit.

** = Samples submitted for analysis on 5/24/00.

NA = Not Analyzed.

mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-7-A (0-6") 5-Oct-99	T-7-A (12-18") 5-Oct-99	T-7-B (0-6") 29-Oct-99	T-7-C (0-6") 5-Oct-99	T-7-F (0-6") 2-Nov-99	T-7-1 (0-6") 6-Nov-98	T-7-1 Plant 28-Oct-99	T-7-2 (0-6") 6-Nov-98
Inorganics								
Total Metals (mg/kg)								
Aluminum	10,000	10,000	8,600	7,900	6,200	-	9,900	-
Antimony	-	-	-	-	-	-	-	-
Arsenic	12	5.7	20	25	5.9	-	12	-
Barium	150	47	82	98	52	-	140	-
Beryllium	0.8	1.1	1.0	-	0.9	-	-	-
Cadmium	5.4	2.3	5.9	10.0	3.7	-	2.3	-
Calcium	2,800	3,400	3,800	3,300	4,200	-	2,000	-
Chromium	2,400	420	920	680	52	3,630	1,300	1,190
Chromium , Hexavalent	-	-	230	-	-	-	-	-
Cobalt	4.0	-	4.2	4.9	3.4	-	4.4	-
Copper	2,900	490	1,200	1,000	94	2,070	3,000	1,580
Iron	7,800	4,300	5,400	6,200	3,800	-	14,000	-
Lead	430	74	180	260	97	668	640	274
Magnesium	2,400	660	960	1,200	540	-	3,100	-
Manganese	140	160	190	160	260	-	180	-
Mercury	3.0	-	1.3	1.9	0.1	-	2.8	-
Nickel	20	11	19	22	12	-	20	-
Potassium	690	-	-	-	-	-	620	-
Selenium	-	-	-	-	-	-	-	-
Silver	250	35	57	79	3.1	-	270	-
Sodium	490	330	340	260	250	-	320	-
Thallium	-	-	-	-	-	-	-	-
Tin	-	-	15	-	-	-	12	-
Vanadium	71	33	41	46	19	-	87	-
Zinc	180	91	250	280	120	-	140	-

Notes:

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** = Samples submitted for analysis on 5/24/00.
NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-7-3 (0-6") 6-Nov-98	T-7-4 (0-6") 6-Nov-98	T-7-5 (0-6") 6-Nov-98	T-7-6 (0-6") 5-Oct-99	T-7-6 (12-18") 5-Oct-99	T-7-7 (0-6") 5-Oct-99	T-7-9 (0-6") 5-Oct-99	T-7-9 (12-18") 5-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	-	-	-	8,200	9,200	8,400	6,400	4,300
Antimony	-	-	-	-	-	16	43	-
Arsenic	-	-	-	44	19	88	17	1.8
Barium	-	-	-	140	32	130	280	24
Beryllium	-	-	-	-	1.3	-	-	0.6
Cadmium	-	-	-	8.3	1.2	3.1	7.9	-
Calcium	-	-	-	6,400	7,100	3,500	3,000	1,700
Chromium	210	2,700	2,730	6,300	53	9,000	23,000	63
Chromium , Hexavalent	-	-	-	-	420	-	1,600	-
Cobalt	-	-	-	-	-	-	-	1.6
Copper	233	2,930	1,720	5,800	99	6,800	9,600	81
Iron	-	-	-	17,000	4,200	16,000	12,000	1,800
Lead	68.6	330	312	770	26	780	1,400	22
Magnesium	-	-	-	3,000	6,000	2,800	1,700	210
Manganese	-	-	-	340	300	130	120	88
Mercury	-	-	-	7.8	-	6.5	14.0	-
Nickel	-	-	-	36	10	20	16	3.8
Potassium	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	-	-	-	120	1.4	220	270	1.9
Sodium	-	-	-	430	400	320	280	100
Thallium	-	-	-	-	-	-	-	-
Tin	-	-	-	55	-	54	660	-
Vanadium	-	-	-	120	15	170	180	5.4
Zinc	-	-	-	330	63	140	200	38

Notes:

- = Analytical result below the method detection limit.

** = Samples submitted for analysis on 5/24/00.

NA = Not Analyzed.

mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-7-11 (0-6") 5-Oct-99	T-7-12 (0-6") 1-Nov-99 **	T-7-13 (0-6") 29-Oct-99	T-7-14 (0-6") 5-Oct-99	T-7-14 (12-18") 5-Oct-99	T-8-A (0-6") 5-Oct-99	T-8-B (0-6") 1-Nov-99	T-8-C (0-6") 5-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	5,200	15,000	9,000	5,900	7,700	8,500	6,400	7,400
Antimony	-	-	-	-	-	-	-	-
Arsenic	6.4	22.0	5.1	4.0	3.6	11.0	3.6	7.6
Barium	160	95	35	14	10	110	100	110
Beryllium	-	1.1	1.1	0.5	0.6	-	-	-
Cadmium	1.6	10.0	0.8	-	-	7.7	4.3	5.2
Calcium	2,300	1,800	2,400	620	490	4,200	5,400	4,500
Chromium	9,900	860	26	10	7	890	450	320
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	-	7.2	2.5	-	1.6	5.0	6.0	5.1
Copper	5,800	1,100	30	10	4.2	1,100	610	640
Iron	16,000	16,000	4,200	7,200	6,600	7,800	8,200	6,200
Lead	750	450	82	48	14	370	240	250
Magnesium	2,000	3,300	820	500	680	1,400	1,400	1,400
Manganese	100	110	49	27	39	220	590	300
Mercury	4.1	-	-	-	-	3.4	0.3	2.2
Nickel	12	28	6.9	4	3.7	24	19	20
Potassium	-	810	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	240	20	-	-	-	54	30	24
Sodium	380	250	150	48	40	350	310	540
Thallium	-	-	-	-	-	-	-	-
Tin	99	65	-	-	-	11	20	-
Vanadium	150	71	14	12	10	63	35	35
Zinc	110	280	33	15	11	200	200	170

Notes:

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Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-8-F (0-6") 29-Oct-99	T-8-1 (0-6") 6-Nov-98	T-8-3 (0-6") 6-Nov-98	T-8-5 (0-6") 6-Nov-98	T-8-6 (0-6") 5-Oct-99	T-8-7 (0-6") 5-Oct-99	T-8-8 (0-6") 1-Nov-99	T-8-9 (0-6") 5-Oct-99
Inorganics								
Total Metals (mg/kg)								
Aluminum	8,700	-	-	-	7,200	6,800	8,600	9,400
Antimony	-	-	-	-	-	-	27	-
Arsenic	8.9	-	-	-	9.7	17	32	24
Barium	100	-	-	-	68	80	120	110
Beryllium	1.1	-	-	-	-	-	-	-
Cadmium	5.8	-	-	-	6.2	3.4	4.1	5.4
Calcium	4,100	-	-	-	3,900	3,800	5,400	4,400
Chromium	99	312	376	236	830	1,800	6,500	6,700
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	6.0	-	-	-	-	-	-	-
Copper	160	610	607	329	820	1,500	4,200	4,800
Iron	6,400	-	-	-	5,200	9,900	8,400	16,000
Lead	170	164	119	163	340	390	600	750
Magnesium	980	-	-	-	1,100	1,400	2,100	2,400
Manganese	310	-	-	-	130	150	200	230
Mercury	2.3	-	-	-	2.9	4.0	0.7	5.9
Nickel	21	-	-	-	21	22	28	40
Potassium	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	5.8	-	-	-	12	34	92	110
Sodium	410	-	-	-	580	420	450	320
Thallium	-	-	-	-	-	-	-	-
Tin	-	-	-	-	19	28	110	81
Vanadium	28	-	-	-	58	73	120	140
Zinc	160	-	-	-	200	150	290	220

Notes:

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NA = Not Analyzed.

mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-8-10 (0-6") 1-Nov-99	T-8-11 (0-6") 5-Oct-99	T-8-12 (0-6") 1-Nov-99	T-8-13 (0-6") 5-Oct-99	T-8-14 (0-6") 5-Oct-99	T-9-1 (0-6") 6-Nov-98	T-9-3 (0-6") 6-Nov-98
Inorganics							
Total Metals (mg/kg)							
Aluminum	9,800	8,400	11,000	8,000	7,500	-	-
Antimony	21	-	-	-	-	-	-
Arsenic	17	4.3	6.9	4.6	4.7	-	-
Barium	120	75	100	41	28	-	-
Beryllium	-	-	-	-	0.7	-	-
Cadmium	3.7	2.2	2.2	2.4	0.9	-	-
Calcium	3,300	2,700	3,800	1,800	2,600	-	-
Chromium	5,200	2,000	1,800	380	52	36	14
Chromium , Hexavalent	240	-	-	-	-	-	-
Cobalt	-	-	-	3.0	2.6	-	-
Copper	2,800	1,200	640	320	43	97.8	17.7
Iron	11,000	10,000	18,000	5,600	8,300	-	-
Lead	460	400	540	130	220	100	6.1
Magnesium	1,400	1,500	2,800	820	730	-	-
Manganese	180	170	310	68	53	-	-
Mercury	2.1	2.5	1.7	-	0.9	-	-
Nickel	17	18	24	12	8.4	-	-
Potassium	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-
Silver	200	23	18	4.6	1.5	-	-
Sodium	260	190	380	180	200	-	-
Thallium	-	-	-	-	-	-	-
Tin	66	26	29	-	-	-	-
Vanadium	74	53	59	29	26	-	-
Zinc	130	110	150	87	20	-	-

Notes:

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NA = Not Analyzed.
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Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-9-5 (0-6") 6-Nov-98	T-9-5 Plant 29-Oct-99	T-9-6 (0-6") 29-Oct-99 **	T-9-7 (0-6") 29-Oct-99 **	T-9-13 (0-6") 28-Oct-99 **	T-9-14 (0-6") 1-Nov-99 **	T-10-A (0-6") 1-Nov-99	T-10-1 (0-6") 6-Nov-98
Inorganics								
Total Metals (mg/kg)								
Aluminum	-	5,500	6,600	5,400	7,300	8,100	7,500	-
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	7.7	9.1	6.9	8.1	5.0	5.1	-
Barium	-	67	38	46	62	45	130	-
Beryllium	-	-	-	0.64	0.62	0.62	-	-
Cadmium	-	3.4	-	4.0	-	1.6	4.4	-
Calcium	-	4,400	2,800	3,900	3,800	2,500	2,100	-
Chromium	58	140	91	200	56	30	290	175
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	-	5.8	-	-	6.1	4.9	8.5	-
Copper	89.3	280	190	250	50	32	500	231
Iron	-	7,300	4,300	4,600	12,000	8,300	8,100	-
Lead	137	220	400	180	340	160	250	140
Magnesium	-	1,100	680	680	920	990	1,200	-
Manganese	-	270	100	230	720	580	1,000	-
Mercury	-	1.2	1.8	1.7	-	-	1.6	-
Nickel	-	18	14	14	14	12	17	-
Potassium	-	-	-	-	-	430	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	-	9.9	4.7	7.7	-	-	23.0	-
Sodium	-	380	280	290	160	150	300	-
Thallium	-	-	-	-	-	-	-	-
Tin	-	-	13	24	14	10	10	-
Vanadium	-	42	31	28	33	22	32	-
Zinc	-	140	72	120	110	68	150	-

Notes:

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NA = Not Analyzed.

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Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-10-2 (0-6") 6-Nov-98	T-10-3 (0-6") 6-Nov-98	T-10-4 (0-6") 6-Nov-98	T-10-5 (0-6") 6-Nov-98	T-10-6 (0-6") 1-Nov-99	T-10-7 (0-6") 29-Oct-99 **	T-10-8 (0-6") 29-Oct-99 **	T-10-9 (0-6') 29-Oct-99 **
Inorganics								
Total Metals (mg/kg)								
Aluminum	-	-	-	-	7,500	7,000	6,900	7,000
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	3.9	6.5	16	12
Barium	-	-	-	-	68	74	99	110
Beryllium	-	-	-	-	0.8	-	-	0.68
Cadmium	-	-	-	-	3.1	4.8	4.5	3.4
Calcium	-	-	-	-	2,700	4,100	4,900	5,000
Chromium	850	153	106	362	280	310	960	970
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-
Copper	1,080	363	115	424	250	330	1300	2,200
Iron	-	-	-	-	3,400	3,400	3,800	4,300
Lead	227	60.2	141	233	150	220	360	280
Magnesium	-	-	-	-	670	820	1,000	1,200
Manganese	-	-	-	-	160	150	170	220
Mercury	-	-	-	-	0.7	2.2	1.9	3.1
Nickel	-	-	-	-	12	18	22	23
Potassium	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	-	-	-	-	12	14	48	64
Sodium	-	-	-	-	300	300	360	310
Thallium	-	-	-	-	-	-	-	-
Tin	-	-	-	-	8	38	110	130
Vanadium	-	-	-	-	25	29	54	64
Zinc	-	-	-	-	65	120	410	240

Notes:

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Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-10-10 (0-6") 1-Nov-99 **	T-10-11 (0-6") 29-Oct-99 **	T-10-12 (0-6") 28-Oct-99 **	T-10-13 (0-6") 1-Nov-99	T-10-16 (0-6") 1-Nov-99	T-11-3 (0-6") 6-Nov-98	T-12-1 (0-6") 6-Nov-98	T-12-3 (0-6") 6-Nov-98
Inorganics								
Total Metals (mg/kg)								
Aluminum	8,100	6,200	8,000	7,000	25,000	-	-	-
Antimony	17	-	-	-	-	-	-	-
Arsenic	11	13	43	3.5	18	-	-	-
Barium	100	49	86	28	140	-	-	-
Beryllium	-	0.54	0.59	0.7	1.8	-	-	-
Cadmium	4.4	3.4	3.3	1.1	3.0	-	-	-
Calcium	4,000	4,100	5,300	1,800	4,300	-	-	-
Chromium	4,200	1,100	2,500	36	90	9	14	45
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	-	-	5.0	-	12	-	-	-
Copper	2,700	1,100	2,200	28	150	17.4	19.8	95.5
Iron	6,000	5,500	6,600	4,000	24,000	-	-	-
Lead	510	350	440	120	720	3.7	6.8	31
Magnesium	1,600	870	1,500	650	6,200	-	-	-
Manganese	220	230	250	110	240	-	-	-
Mercury	0.9	4.8	4.6	-	1.3	-	-	-
Nickel	24	20	18	7.7	35	-	-	-
Potassium	-	-	-	-	780	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	160	39	48	-	1.4	-	-	-
Sodium	380	340	410	210	300	-	-	-
Thallium	-	-	-	-	-	-	-	-
Tin	54	130	200	-	-	-	-	-
Vanadium	77	67	83	18	82	-	-	-
Zinc	160	150	120	34	300	-	-	-

Notes:

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** = Samples submitted for analysis on 5/24/00.
NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-12-5 (0-6") 1-Nov-99 **	T-12-6 (0-6") 1-Nov-00 **	T-12-8 (0-6") 1-Nov-99 **	T-12-9 (0-6") 1-Nov-99 **	T-12-10 (0-6") 1-Nov-99 **	T-12-11 (0-6") 1-Nov-99 **	T-12-13 (0-6"0 1-Nov-99 **	T-12-14 (0-6") 1-Nov-99 **
Inorganics								
Total Metals (mg/kg)								
Aluminum	7,500	7,000	9,300	7,200	6,000	7,100	7,400	9,100
Antimony	-	-	-	-	-	-	-	-
Arsenic	7.0	6.1	12	7.2	15	11	12	12
Barium	86	61	94	75	67	67	64	50
Beryllium	0.75	0.75	0.91	0.84	0.76	0.82	0.62	1.3
Cadmium	2.3	2.4	4.8	5.4	5.9	4.4	2.2	2.5
Calcium	2,500	2,400	4,300	3,800	4,400	4,300	3,000	4,000
Chromium	68	52	150	200	280	170	200	120
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	5.9	4.2	6.4	5.2	5.0	-	-	-
Copper	120	93	270	290	920	1,100	250	96
Iron	5,900	5,900	6,300	4,400	11,000	8,100	4,500	4,000
Lead	250	180	350	240	200	200	220	80
Magnesium	1,100	840	1,400	940	830	960	1,000	570
Manganese	560	300	420	290	310	330	170	120
Mercury	1.7	0.9	4.3	2.0	1.1	-	2.2	-
Nickel	15	14	22	23	21	20	14	9.2
Potassium	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	2.2	1.5	5.6	8.0	13	10	6.0	-
Sodium	280	230	330	220	290	410	320	420
Thallium	-	-	-	-	-	-	-	-
Tin	11	-	21	28	32	20	24	9
Vanadium	26	24	37	27	29	34	32	21
Zinc	100	82	150	130	170	150	77	72

Notes:

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NA = Not Analyzed.

mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-12-15 (0-6") 1-Nov-99 **	T-12.1-1 (0-6") 1-Nov-99 **	T-12.1-4 (0-6") 1-Nov-99 **	T-12.1-6 (0-6") 2-Nov-99 **	T-12.1-7 (0-6") 2-Nov-99 **	T-13-3 (0-6") 6-Nov-98	T-13-6 (0-6") 1-Nov-99	T-13-7 (0-6") 2-Nov-99 **
Inorganics								
Total Metals (mg/kg)								
Aluminum	8,900	10,000	8,600	8,400	8,900	-	10,000	6,800
Antimony	-	-	-	-	-	-	-	-
Arsenic	11	7.8	8.7	11	11	-	8.2	14
Barium	52	140	84	80	110	-	100	85
Beryllium	0.93	0.96	0.82	0.86	0.90	-	0.86	0.74
Cadmium	2.3	2.5	2.4	3.5	5.4	-	2.8	3.2
Calcium	2,200	2,700	2,500	3,000	4,300	-	1,600	2,500
Chromium	89	160	76	90	140	234	120	92
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	3.9	9.7	6.7	4.3	9.5	-	5.4	4.4
Copper	130	190	88	160	260	383	150	160
Iron	5,400	13,000	7,800	5,600	7,700	-	7,300	7,100
Lead	290	290	250	290	460	169	450	280
Magnesium	1,000	2,000	1,300	1,100	1,400	-	1,400	950
Manganese	140	910	570	260	1,000	-	360	220
Mercury	2.4	2.8	1.7	2.2	3.7	-	1.9	2.1
Nickel	14	18	15	17	25	-	16	16
Potassium	-	550	430	-	580	-	-	-
Selenium	-	-	-	-	-	-	-	-
Silver	2.2	7.2	1.5	2.7	4.5	-	3.0	3.9
Sodium	360	240	270	320	370	-	260	300
Thallium	-	-	-	-	-	-	-	-
Tin	11	26	12	13	20	-	16	12
Vanadium	31	31	24	31	37	-	26	33
Zinc	54	140	100	93	160	-	100	93

Notes:

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** = Samples submitted for analysis on 5/24/00.

NA = Not Analyzed.

mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	T-13-8 (0-6") 2-Nov-99 **	T-13-9 (0-6") 1-Nov-99 **	T-14-C (0-6") 1-Nov-99 **	T-14-3 (0-6") 6-Nov-98	T-14-6 (0-6") 2-Nov-99 **	T-14-7 (0-6") 2-Nov-99 **	T-14-8 (0-6") 1-Nov-99 **	T-15-2 (0-6") 2-Nov-99 **
Inorganics								
Total Metals (mg/kg)								
Aluminum	8,300	7,400	12,000	-	9,900	9,700	8,800	14,000
Antimony	-	-	-	-	-	-	-	-
Arsenic	4.1	5.0	17	-	11	11	6.0	11
Barium	66	48	180	-	170	150	63	210
Beryllium	0.73	0.75	1.1	-	0.98	0.91	0.79	1.0
Cadmium	2.2	2.0	2.3	-	8.3	2.1	1.7	2.1
Calcium	2,700	2,200	1,800	-	3,100	3,100	1,600	2,300
Chromium	59	48	140	284	180	73	86	210
Chromium , Hexavalent	-	-	-	-	-	-	-	-
Cobalt	4.3	-	9.3	-	12	13	5.0	8.5
Copper	68	80	150	422	330	86	69	170
Iron	6,300	3,700	13,000	-	8,700	12,000	7,600	13,000
Lead	240	220	500	226	290	330	330	600
Magnesium	1,300	890	2,200	-	1,700	1,900	1,600	2,800
Manganese	420	190	730	-	510	1,500	370	620
Mercury	2.7	1.1	4.4	-	2.6	2.4	2.2	7.2
Nickel	14	10	21	-	27	18	14	20
Potassium	380	-	550	-	-	600	440	740
Selenium	-	-	-	-	-	-	-	-
Silver	-	-	3.1	-	20	-	-	3.6
Sodium	250	290	220	-	320	200	150	290
Thallium	-	-	-	-	-	-	-	-
Tin	9	9	18	-	32	15	14	21
Vanadium	25	22	46	-	30	40	32	44
Zinc	89	54	130	-	220	120	89	130

Notes:

- = Analytical result below the method detection limit.

** = Samples submitted for analysis on 5/24/00.

NA = Not Analyzed.

mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	FP-1 (0-6") 9-Nov-98	FP-2 (0-6") 9-Nov-98	FP-3 (0-6") 9-Nov-98	FP-4 (0-6") 9-Nov-98	FP-5 (0-6") 9-Nov-98	SS-1 Mar-90	SS-2 Mar-90	SS-2D Mar-90 DUP
Inorganics								
Total Metals (mg/kg)								
Aluminum	-	-	-	-	-	-	NA	NA
Antimony	-	-	-	-	-	-	NA	NA
Arsenic	-	-	-	-	-	-	25.0	22.9
Barium	-	-	-	-	-	-	NA	NA
Beryllium	-	-	-	-	-	-	NA	NA
Cadmium	-	-	-	-	-	-	9.3	8.8
Calcium	-	-	-	-	-	-	NA	NA
Chromium	838	6,900	23	48	93	-	167	167
Chromium , Hexavalent	-	-	-	-	-	-	NA	NA
Cobalt	-	-	-	-	-	-	NA	NA
Copper	623	3,080	17.2	92.3	597	-	241	220
Iron	-	-	-	-	-	-	NA	NA
Lead	148	1,120	90.2	345	1,210	-	631	528
Magnesium	-	-	-	-	-	-	NA	NA
Manganese	-	-	-	-	-	-	NA	NA
Mercury	-	-	-	-	-	-	10.3	8.4
Nickel	-	-	-	-	-	-	-	44
Potassium	-	-	-	-	-	-	NA	NA
Selenium	-	-	-	-	-	-	NA	NA
Silver	-	-	-	-	-	-	-	-
Sodium	-	-	-	-	-	-	NA	NA
Thallium	-	-	-	-	-	-	NA	NA
Tin	-	-	-	-	-	-	NA	NA
Vanadium	-	-	-	-	-	-	NA	NA
Zinc	-	-	-	-	-	5	389	273

Notes:

- = Analytical result below the method detection limit.
** = Samples submitted for analysis on 5/24/00.
NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	SS-3 Mar-90	SS-4 Mar-90	GMS-1 Jul-89	GMS-2 Jul-89	GMS-3 Jul-89	GMS-4 Jul-89	GMS-5 Jul-89	GMS-7 Jul-89
Inorganics								
Total Metals (mg/kg)								
Aluminum	NA	NA	9,540	18,000	13,900	16,400	18,800	18,000
Antimony	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	3.6	10.3	8.4	10.5	12.3	11.1	9.4	22.4
Barium	NA	NA	82.2	177	341	173	209	266
Beryllium	NA	NA	0.46	0.80	0.92	0.66	0.75	1.1
Cadmium	2.1	10.3	3.2	8.1	16	6.5	8.9	4.4
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	2	331	221	1,730	15,100	366	743	100
Chromium , Hexavalent	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Copper	264	424	1,470	3,120	9,440	1,960	2,360	136
Iron	NA	NA	14,400	20,400	17,800	20,500	23,200	21,300
Lead	14.6	621	280	858	1,590	734	960	350
Magnesium	NA	NA	2,970	6,290	5,000	5,530	6,030	3,900
Manganese	NA	NA	160	253	244	224	551	943
Mercury	-	4.1	0.8	2.4	4.6	3.0	2.9	2.4
Nickel	-	-	26	53	51	45	51	33
Potassium	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	-	-	-	-	-	-
Silver	12.1	9.3	22	150	180	72	120	-
Sodium	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	-	-	-	-	-	-
Tin	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	55	97.2	150	102	135	49.5
Zinc	188	259	528	875	857	633	623	200

Notes:

- = Analytical result below the method detection limit.
** = Samples submitted for analysis on 5/24/00.
NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 11c
Summary of Sediment Metals Analytical Results
Raytheon Company
Wayland, Massachusetts

Sample I.D. Depth Date Sampled Comments	GMS-8 Jul-89	GMS-9 Jul-89	GMS-10 Jul-89	GMS-11 Jul-89	GMS-12 Jul-89
Inorganics					
Total Metals (mg/kg)					
Aluminum	15,700	12,100	12,100	14,800	11,600
Antimony	NA	NA	NA	NA	NA
Arsenic	19.6	7.3	8.1	22.2	14.4
Barium	256	141	103	308	108
Beryllium	1.1	0.94	0.92	1.0	0.76
Cadmium	6.0	12	4.4	6.0	3.4
Calcium	NA	NA	NA	NA	NA
Chromium	253	506	65	96	68
Chromium , Hexavalent	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	397	1,050	103	185	143
Iron	14,700	10,400	5,730	21,000	11,500
Lead	390	260	180	280	300
Magnesium	3,080	1,690	1,300	3,090	2,140
Manganese	537	354	210	2,460	1150
Mercury	3.5	2.2	1.0	1.5	1.5
Nickel	28	35	18	28	32
Potassium	NA	NA	NA	NA	NA
Selenium	-	-	-	-	-
Silver	19	53	-	4	3
Sodium	NA	NA	NA	NA	NA
Thallium	-	-	-	-	-
Tin	NA	NA	NA	NA	NA
Vanadium	41.9	34	23	51.1	46.5
Zinc	187	530	90	240	151

Notes:

- = Analytical result below the method detection limit.
** = Samples submitted for analysis on 5/24/00.
NA = Not Analyzed.
mg/kg = milligram per kilogram (parts per million (ppm)).

Table 12a
Summary of Surface Water SVOC Analytical Results
Raytheon Company
Wayland, Massachusetts

Parameter / Sample I.D. / Date Sampled / Comments	SW-1 March-90 Downstream River	SW-2 March-90 Upstream River	SW-2D March-90 Upstream DUP	SW-3 March-90 Outfall	SW-4 March-90 Wetland	SW-5 March-90 Facility Supply	T-2-6 1-Nov-99 Grab low flow
Organics							
Semi-Volatile Organic Compounds (sVOCs)(µg/l)	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	
Acenaphthene							0.087
Fluoranthene							0.51
Naphthalene							0.019
Benzo(a)anthracene							0.15
Benzo(a)pyrene							0.17
Benzo(b)fluoranthene							0.29
Benzo(k)fluoranthene							0.11
Chrysene							0.23
Acenaphthylene							0.024
Anthracene							0.052
Benzo(g,h,i)perylene							0.17
Fluorene							0.050
Phenanthrene							0.29
Dibenzo(a,h)anthracene							0.046
Indeno(1,2,3-cd)pyrene							0.19
Pyrene							0.32
2-Methylnaphthalene							0.009 J
bis(2-ethylhexyl)phthalate	129	107	126	108	48	<2.5	NA
bis(2-ethylhexyl)adipate	16	<10	<10	<10	<10	<10	NA
Total PCBs (µg/l)	-	-	-	-	-	-	*0.010*

Notes:
- = Analytical result below the method detection limit.
J = Estimated Value.
NA = Not Analyzed.
µg/l = microgram per liter (parts per billion (ppb)).