

Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MCP Reportable Concentrations GW-1	MW-32 27-May-98	MW-32 18-Nov-98	MW-32 28-Jul-99	MW-32* 6-Apr-00	MW-32* 29-Aug-01	MW-32* 1-Mar-02
	Sampling Method		Bailer	Bailer	Bailer	Bailer	Bailer	Diffusion Bag
Organics								
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>								
Tetrachloroethene		5	-	-	-	-	-	-
Trichloroethene		5						
cis-1,2-Dichloroethene		70						
trans-1,2-Dichloroethene		100						
Vinyl Chloride		2						
1,1,1-Trichloroethane		200						
1,1-Dichloroethane		70						
1,1-Dichloroethene		1						
Chloroform		5						
1,1,2,2-Tetrachloroethane		2						
1,2-Dichloroethane		5				NA	NA	NA
Chloroethane		1,000				NA	NA	NA
Trichlorofluoromethane		10,000						
Bromodichloromethane		5				NA	NA	NA
Acetone		3,000				NA	NA	NA
Methyl tert butyl ether		70				NA	NA	NA
1,2,3-Trichlorobenzene		NS				NA	NA	NA
1,2-Dichlorobenzene		600						
1,3-Dichlorobenzene		600						
1,4-Dichlorobenzene		5						
Chlorobenzene		100						
Isopropylbenzene		10,000				NA	NA	NA
sec-Butylbenzene		NS				NA	NA	NA
1,3,5-Trimethylbenzene		100				NA	NA	NA
1,2,4-Trimethylbenzene		10,000				NA	NA	NA
Naphthalene		20				NA	NA	NA
Benzene		5				NA	NA	NA
Toluene		1,000				NA	NA	NA
Ethylbenzene		700				NA	NA	NA
Xylenes		6,000				NA	NA	NA

Notes:

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

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

Bold text indicates exceedence of RCGW-1

Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-33S 27-May-98 Bailer	MW-33S 20-Nov-98 Bailer	MW-33S 20-Nov-98 DUP-ERM Bailer	MW-33S* 29-Jul-99 Bailer	MW-33S* 14-Sep-99 Bailer	MW-33S* 5-Apr-00 Bailer	MW-33S* 10-Jul-00 Bailer	MW-33S* 11-Jul-00 STEP 1300
Organics										
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>										
Tetrachloroethene		5	-	-	-	-	-	-	-	-
Trichloroethene		5	530	210	220	240	260	390	170	180
cis-1,2-Dichloroethene		70	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene		100	-	-	-	-	-	-	-	-
Vinyl Chloride		2	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane		200	160	69	71	80	77	110	40	55
1,1-Dichloroethane		70	-	-	-	-	-	-	-	-
1,1-Dichloroethene		1	-	2.1	2.0	-	-	-	-	-
Chloroform		5	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		2	-	-	-	-	-	-	-	-
1,2-Dichloroethane		5	-	-	-	NA	NA	NA	NA	NA
Chloroethane		1,000	-	-	-	NA	NA	NA	NA	NA
Trichlorofluoromethane		10,000	-	-	-	-	-	-	-	-
Bromodichloromethane		5	-	-	-	NA	NA	NA	NA	NA
Acetone		3,000	-	-	-	NA	NA	NA	NA	NA
Methyl tert butyl ether		70	-	-	-	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene		NS	-	-	-	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		600	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene		600	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene		5	-	-	-	-	-	-	-	-
Chlorobenzene		100	-	-	-	-	-	-	-	-
Isopropylbenzene		10,000	-	-	-	NA	NA	NA	NA	NA
sec-Butylbenzene		NS	-	-	-	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene		100	-	-	-	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene		10,000	-	-	-	NA	NA	NA	NA	NA
Naphthalene		20	-	-	-	NA	NA	NA	NA	NA
Benzene		5	-	-	-	NA	NA	NA	NA	NA
Toluene		1,000	-	-	-	NA	NA	NA	NA	NA
Ethylbenzene		700	-	-	-	NA	NA	NA	NA	NA
Xylenes		6,000	-	-	-	NA	NA	NA	NA	NA

Notes:

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

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

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Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-33S* 11-Jul-00 STEP 1315	MW-33S* 11-Jul-00 STEP 1330	MW-33S* 27-Aug-01 Bailer	MW-33S* 12-Nov-01 Low-Flow	MW-33S* 10-Dec-01 Low-Flow	MW-33S* 15-Jan-02 Low-Flow	MW-33S* 04-Mar-02 Diffusion Bag
Organics									
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>									
Tetrachloroethene		5	-	-	-	-	-	-	-
Trichloroethene		5	220	190	240	380	350	260	560
cis-1,2-Dichloroethene		70	-	-	-	-	-	-	-
trans-1,2-Dichloroethene		100	-	-	-	-	-	-	-
Vinyl Chloride		2	-	-	-	-	-	-	-
1,1,1-Trichloroethane		200	64	51	78	120	110	75	170
1,1-Dichloroethane		70	-	-	-	-	-	-	-
1,1-Dichloroethene		1	-	-	-	-	-	-	-
Chloroform		5	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		2	-	-	-	-	-	-	-
1,2-Dichloroethane		5	NA	NA	NA	NA	NA	NA	NA
Chloroethane		1,000	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane		10,000	-	-	-	-	-	-	-
Bromodichloromethane		5	NA	NA	NA	NA	NA	NA	NA
Acetone		3,000	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether		70	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene		NS	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		600	-	-	-	-	-	-	-
1,3-Dichlorobenzene		600	-	-	-	-	-	-	-
1,4-Dichlorobenzene		5	-	-	-	-	-	-	-
Chlorobenzene		100	-	-	-	-	-	-	-
Isopropylbenzene		10,000	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene		NS	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene		100	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene		10,000	NA	NA	NA	NA	NA	NA	NA
Naphthalene		20	NA	NA	NA	NA	NA	NA	NA
Benzene		5	NA	NA	NA	NA	NA	NA	NA
Toluene		1,000	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene		700	NA	NA	NA	NA	NA	NA	NA
Xylenes		6,000	NA	NA	NA	NA	NA	NA	NA

Notes:

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

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

Bold text indicates exceedence of RCGW-1

Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-33M 27-May-98 Bailer	MW-33M 20-Nov-98 Waterra	MW-33M 29-Jul-99 Waterra	MW-33M* 14-Sep-99 Waterra	MW-33M* 5-Apr-00 Waterra	MW-33M* 10-Jul-00 Waterra
Organics								
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>								
Tetrachloroethene		5	-	-	-	-	-	-
Trichloroethene		5	1.4			1.8	1.5	1.8
cis-1,2-Dichloroethene		70	-			-	-	-
trans-1,2-Dichloroethene		100	-			-	-	-
Vinyl Chloride		2	-			-	-	-
1,1,1-Trichloroethane		200	-			-	-	-
1,1-Dichloroethane		70	-			-	-	-
1,1-Dichloroethene		1	-			-	-	-
Chloroform		5	-			-	-	-
1,1,2,2-Tetrachloroethane		2	-			-	-	-
1,2-Dichloroethane		5	-			NA	NA	NA
Chloroethane		1,000	-			NA	NA	NA
Trichlorofluoromethane		10,000	-			-	-	-
Bromodichloromethane		5	-			NA	NA	NA
Acetone		3,000	-			NA	NA	NA
Methyl tert butyl ether		70	-			NA	NA	NA
1,2,3-Trichlorobenzene		NS	-			NA	NA	NA
1,2-Dichlorobenzene		600	-			-	-	-
1,3-Dichlorobenzene		600	-			-	-	-
1,4-Dichlorobenzene		5	-			-	-	-
Chlorobenzene		100	-			-	-	-
Isopropylbenzene		10,000	-			NA	NA	NA
sec-Butylbenzene		NS	-			NA	NA	NA
1,3,5-Trimethylbenzene		100	-			NA	NA	NA
1,2,4-Trimethylbenzene		10,000	-			NA	NA	NA
Naphthalene		20	-			NA	NA	NA
Benzene		5	-			NA	NA	NA
Toluene		1,000	-			NA	NA	NA
Ethylbenzene		700	-			NA	NA	NA
Xylenes		6,000	-			NA	NA	NA

Notes:

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

- = Analytical result below the method detection limit.

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Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-33M* 27-Aug-01 Waterra	MW-33M* 5-Nov-01 Low-Flow	MW-33M* 10-Dec-01 Low-Flow	MW-33M* 15-Jan-02 Low-Flow	MW-33M* 04-Mar-02 Diffusion Bag
Organics							
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>							
Tetrachloroethene		5	-	-	-	-	-
Trichloroethene		5	3.1	8.6	9.3	7.2	9.8
cis-1,2-Dichloroethene		70	-	1.0	0.7	-	0.90
trans-1,2-Dichloroethene		100	-	-	-	-	-
Vinyl Chloride		2	-	-	-	-	-
1,1,1-Trichloroethane		200	-	-	-	-	-
1,1-Dichloroethane		70	-	-	-	-	-
1,1-Dichloroethene		1	-	-	-	-	-
Chloroform		5	-	-	-	-	-
1,1,2,2-Tetrachloroethane		2	-	-	-	-	-
1,2-Dichloroethane		5	NA	NA	NA	NA	NA
Chloroethane		1,000	NA	NA	NA	NA	NA
Trichlorofluoromethane		10,000	-	-	-	-	-
Bromodichloromethane		5	NA	NA	NA	NA	NA
Acetone		3,000	NA	NA	NA	NA	NA
Methyl tert butyl ether		70	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene		NS	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		600	-	-	-	-	-
1,3-Dichlorobenzene		600	-	-	-	-	-
1,4-Dichlorobenzene		5	-	-	-	-	-
Chlorobenzene		100	-	-	-	-	-
Isopropylbenzene		10,000	NA	NA	NA	NA	NA
sec-Butylbenzene		NS	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene		100	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene		10,000	NA	NA	NA	NA	NA
Naphthalene		20	NA	NA	NA	NA	NA
Benzene		5	NA	NA	NA	NA	NA
Toluene		1,000	NA	NA	NA	NA	NA
Ethylbenzene		700	NA	NA	NA	NA	NA
Xylenes		6,000	NA	NA	NA	NA	NA

Notes:

* = VOC analysis for chlorinated compounds only by EPA Method 802

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

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Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-33D* 19-Aug-99	MW-33D* 14-Sep-99	MW-33D* 5-Apr-00	MW-33D* 10-Jul-00	MW-33D* 27-Aug-01	MW-33D* 4-Mar-02
			Bailer	Bailer	Bailer	Bailer	Bailer	Diffusion Bag
Organics								
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>								
Tetrachloroethene		5	-	-	-	-	-	-
Trichloroethene		5	7.2	-	-	-	-	-
cis-1,2-Dichloroethene		70	-	-	-	-	-	-
trans-1,2-Dichloroethene		100	-	-	-	-	-	-
Vinyl Chloride		2	-	-	-	-	-	-
1,1,1-Trichloroethane		200	-	-	-	-	-	-
1,1-Dichloroethane		70	-	-	-	-	-	-
1,1-Dichloroethene		1	-	-	-	-	-	-
Chloroform		5	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		2	-	-	-	-	-	-
1,2-Dichloroethane		5	NA	NA	NA	NA	NA	NA
Chloroethane		1,000	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane		10,000	-	-	-	-	-	-
Bromodichloromethane		5	NA	NA	NA	NA	NA	NA
Acetone		3,000	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether		70	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene		NS	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		600	-	-	-	-	-	-
1,3-Dichlorobenzene		600	-	-	-	-	-	-
1,4-Dichlorobenzene		5	-	-	-	-	-	-
Chlorobenzene		100	-	-	-	-	-	-
Isopropylbenzene		10,000	NA	NA	NA	NA	NA	NA
sec-Butylbenzene		NS	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene		100	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene		10,000	NA	NA	NA	NA	NA	NA
Naphthalene		20	NA	NA	NA	NA	NA	NA
Benzene		5	NA	NA	NA	NA	NA	NA
Toluene		1,000	NA	NA	NA	NA	NA	NA
Ethylbenzene		700	NA	NA	NA	NA	NA	NA
Xylenes		6,000	NA	NA	NA	NA	NA	NA

Notes:

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

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

Bold text indicates exceedence of RCGW-1

Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments	MCP Reportable Concentrations GW-1	MW-33B* 5-Apr-00	MW-33B* 19-Jul-00	MW-33B* 27-Aug-01	MW-33B* 4-Mar-02
	Sampling Method		Waterra	Waterra	Waterra	Diffusion Bag
Organics						
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>			-	-	-	-
Tetrachloroethene		5				
Trichloroethene		5				
cis-1,2-Dichloroethene		70				
trans-1,2-Dichloroethene		100				
Vinyl Chloride		2				
1,1,1-Trichloroethane		200				
1,1-Dichloroethane		70				
1,1-Dichloroethene		1				
Chloroform		5				
1,1,2,2-Tetrachloroethane		2				
1,2-Dichloroethane		5	NA	NA	NA	NA
Chloroethane		1,000	NA	NA	NA	NA
Trichlorofluoromethane		10,000				
Bromodichloromethane		5	NA	NA	NA	NA
Acetone		3,000	NA	NA	NA	NA
Methyl tert butyl ether		70	NA	NA	NA	NA
1,2,3-Trichlorobenzene		NS	NA	NA	NA	NA
1,2-Dichlorobenzene		600				
1,3-Dichlorobenzene		600				
1,4-Dichlorobenzene		5				
Chlorobenzene		100				
Isopropylbenzene		10,000	NA	NA	NA	NA
sec-Butylbenzene		NS	NA	NA	NA	NA
1,3,5-Trimethylbenzene		100	NA	NA	NA	NA
1,2,4-Trimethylbenzene		10,000	NA	NA	NA	NA
Naphthalene		20	NA	NA	NA	NA
Benzene		5	NA	NA	NA	NA
Toluene		1,000	NA	NA	NA	NA
Ethylbenzene		700	NA	NA	NA	NA
Xylenes		6,000	NA	NA	NA	NA

Notes:

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Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-34 27-May-98 Bailer	MW-34 18-Nov-98 Bailer	MW-34 29-Jul-99 Bailer	MW-34* 6-Apr-00 Bailer	MW-34* 28-Aug-01 Bailer	MW-34* 11-Apr-02 Bailer
Organics								
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>			-	-	-	-	-	-
Tetrachloroethene		5						
Trichloroethene		5						
cis-1,2-Dichloroethene		70						
trans-1,2-Dichloroethene		100						
Vinyl Chloride		2						
1,1,1-Trichloroethane		200						
1,1-Dichloroethane		70						
1,1-Dichloroethene		1						
Chloroform		5						
1,1,2,2-Tetrachloroethane		2						
1,2-Dichloroethane		5				NA	NA	NA
Chloroethane		1,000				NA	NA	NA
Trichlorofluoromethane		10,000						
Bromodichloromethane		5				NA	NA	NA
Acetone		3,000				NA	NA	NA
Methyl tert butyl ether		70				NA	NA	NA
1,2,3-Trichlorobenzene		NS				NA	NA	NA
1,2-Dichlorobenzene		600						
1,3-Dichlorobenzene		600						
1,4-Dichlorobenzene		5						
Chlorobenzene		100						
Isopropylbenzene		10,000				NA	NA	NA
sec-Butylbenzene		NS				NA	NA	NA
1,3,5-Trimethylbenzene		100				NA	NA	NA
1,2,4-Trimethylbenzene		10,000				NA	NA	NA
Naphthalene		20				NA	NA	NA
Benzene		5				NA	NA	NA
Toluene		1,000				NA	NA	NA
Ethylbenzene		700				NA	NA	NA
Xylenes		6,000				NA	NA	NA

Notes:

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

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Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-37 27-May-98 Bailer	MW-37 17-Nov-98 Waterra	MW-37* 29-Jul-99 Bailer	MW-37* 5-Apr-00 Bailer	MW-37* 10-Jul-00 Bailer	MW-37* 28-Aug-01 Bailer	MW-37* 4-Mar-02 Diffusion Bag
Organics									
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>									
Tetrachloroethene	5	-	-	1.4	1.6	-	1.1	5.4	
Trichloroethene	5		5.5	6.8	11	1.0	5.2	46	
cis-1,2-Dichloroethene	70	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene	100	-	-	-	-	-	-	-	
Vinyl Chloride	2	-	-	-	-	-	-	-	
1,1,1-Trichloroethane	200	-	-	-	-	-	-	-	
1,1-Dichloroethane	70	-	-	-	-	-	-	-	
1,1-Dichloroethene	1	-	-	-	-	-	-	-	
Chloroform	5	-	-	-	-	-	-	-	
1,1,2,2-Tetrachloroethane	2	-	-	-	-	-	-	-	
1,2-Dichloroethane	5	-	-	NA	NA	NA	NA	NA	
Chloroethane	1,000	-	-	NA	NA	NA	NA	NA	
Trichlorofluoromethane	10,000	-	-	-	-	-	-	-	
Bromodichloromethane	5	-	-	NA	NA	NA	NA	NA	
Acetone	3,000	-	-	NA	NA	NA	NA	NA	
Methyl tert butyl ether	70	-	-	NA	NA	NA	NA	NA	
1,2,3-Trichlorobenzene	NS	-	-	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	600	-	-	-	-	-	-	-	
1,3-Dichlorobenzene	600	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	5	-	-	-	-	-	-	-	
Chlorobenzene	100	-	-	-	-	-	-	-	
Isopropylbenzene	10,000	-	-	NA	NA	NA	NA	NA	
sec-Butylbenzene	NS	-	-	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	100	-	-	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	10,000	-	-	NA	NA	NA	NA	NA	
Naphthalene	20	-	-	NA	NA	NA	NA	NA	
Benzene	5	-	-	NA	NA	NA	NA	NA	
Toluene	1,000	-	-	NA	NA	NA	NA	NA	
Ethylbenzene	700	-	-	NA	NA	NA	NA	NA	
Xylenes	6,000	-	-	NA	NA	NA	NA	NA	

Notes:

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

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

Bold text indicates exceedence of RCGW-1

Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-37M 17-Nov-98 Bailer	MW-37M 29-Jul-99 Bailer	MW-37M 29-Jul-99 DUP-ERM Bailer	MW-37M* 5-Apr-00 Waterra	MW-37M* 10-Jul-00 Waterra	MW-37M* 28-Aug-01 Waterra	MW-37M* 4-Mar-02 Diffusion Bag
Organics									
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>									
Tetrachloroethene		5	-	-	-	-	-	-	-
Trichloroethene		5				1.3		0.65	1.4
cis-1,2-Dichloroethene		70				-		-	-
trans-1,2-Dichloroethene		100				-		-	-
Vinyl Chloride		2				-		-	-
1,1,1-Trichloroethane		200				-		-	-
1,1-Dichloroethane		70				-		-	-
1,1-Dichloroethene		1				-		-	-
Chloroform		5				-		-	-
1,1,2,2-Tetrachloroethane		2				-		-	-
1,2-Dichloroethane		5				NA	NA	NA	NA
Chloroethane		1,000				NA	NA	NA	NA
Trichlorofluoromethane		10,000				-		-	-
Bromodichloromethane		5				NA	NA	NA	NA
Acetone		3,000				NA	NA	NA	NA
Methyl tert butyl ether		70				NA	NA	NA	NA
1,2,3-Trichlorobenzene		NS				NA	NA	NA	NA
1,2-Dichlorobenzene		600				-		-	-
1,3-Dichlorobenzene		600				-		-	-
1,4-Dichlorobenzene		5				-		-	-
Chlorobenzene		100				-		-	-
Isopropylbenzene		10,000				NA	NA	NA	NA
sec-Butylbenzene		NS				NA	NA	NA	NA
1,3,5-Trimethylbenzene		100				NA	NA	NA	NA
1,2,4-Trimethylbenzene		10,000				NA	NA	NA	NA
Naphthalene		20				NA	NA	NA	NA
Benzene		5				NA	NA	NA	NA
Toluene		1,000				NA	NA	NA	NA
Ethylbenzene		700				NA	NA	NA	NA
Xylenes		6,000				NA	NA	NA	NA

Notes:

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

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

Bold text indicates exceedence of RCGW-1

Table 4
Summary of Groundwater VOC Analytical Results
Former Raytheon Facility
Wayland, Massachusetts

Parameter	Sample I.D. Date Sampled Comments Sampling Method	MCP Reportable Concentrations GW-1	MW-38 27-May-98 Bailer	MW-38 17-Nov-98 Bailer	MW-38* 29-Jul-99 Bailer	MW-38* 5-Apr-00 Bailer	MW-38* 28-Aug-01 Bailer	MW-38* 4-Mar-02 Diffusion Bag
Organics								
<i>Volatile Organic Compounds (VOCs) (µg/l)</i>								
Tetrachloroethene		5	-	-	-	-	0.78	-
Trichloroethene		5		1.9	2.2		2.1	1.6
cis-1,2-Dichloroethene		70		-	-		-	-
trans-1,2-Dichloroethene		100		-	-		-	-
Vinyl Chloride		2		-	-		-	-
1,1,1-Trichloroethane		200		-	-		-	-
1,1-Dichloroethane		70		-	-		-	-
1,1-Dichloroethene		1		-	-		-	-
Chloroform		5		-	-		-	-
1,1,2,2-Tetrachloroethane		2		-	-		-	-
1,2-Dichloroethane		5		-	NA	NA	NA	NA
Chloroethane		1,000		-	NA	NA	NA	NA
Trichlorofluoromethane		10,000		-	-		-	-
Bromodichloromethane		5		-	NA	NA	NA	NA
Acetone		3,000		-	NA	NA	NA	NA
Methyl tert butyl ether		70		-	NA	NA	NA	NA
1,2,3-Trichlorobenzene		NS		-	NA	NA	NA	NA
1,2-Dichlorobenzene		600		-	-		-	-
1,3-Dichlorobenzene		600		-	-		-	-
1,4-Dichlorobenzene		5		-	-		-	-
Chlorobenzene		100		-	-		-	-
Isopropylbenzene		10,000		-	NA	NA	NA	NA
sec-Butylbenzene		NS		-	NA	NA	NA	NA
1,3,5-Trimethylbenzene		100		-	NA	NA	NA	NA
1,2,4-Trimethylbenzene		10,000		-	NA	NA	NA	NA
Naphthalene		20		-	NA	NA	NA	NA
Benzene		5		-	NA	NA	NA	NA
Toluene		1,000		-	NA	NA	NA	NA
Ethylbenzene		700		-	NA	NA	NA	NA
Xylenes		6,000		-	NA	NA	NA	NA

Notes:

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

- = Analytical result below the method detection limit.

NS = No Standard

NA = Not Analyzed

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

Bold data indicates exceedence of RCGW-1