

Table 7
Summary of Groundwater Analytical Results - VOCs
Northern Area
Former Raytheon Facility
Wayland, Massachusetts

Sample I.D. Date Sampled Comments	MCP RCGW1	MW-TP-3	MW-TP-3	MW-TP-3	MW-TP-3	MW-TP-3	MW-TP-3	MW-TP-3	MW-TP-3	MW-TP-3
		06-Aug-96	27-May-98	18-Nov-98	29-Jul-99	06-Apr-00	29-Aug-01	01-Mar-02	08-Jan-03	01-May-03
VOCs - Organics (ug/L)										
Tetrachloroethene	5	-	-	-	2.0	-	1.3	2.2	0.73	-
Trichloroethene	5	9.2	-	1.4	23	4.2	12	16	4.5	-
cis-1,2-Dichloroethene	70	18	1.7	2.5	35	7.7	16	18	4.9	-
trans-1,2-dichloroethene	100	-	-	-	-	-	0.75	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	70	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	1	-	-	-	-	-	-	-	-	-
2-Butanone	400	-	-	-	NA	NA	NA	-	-	NA
Chloroform	5	-	-	-	-	-	-	-	-	-
Toluene	1,000	-	-	-	NA	NA	NA	-	-	NA
meta & para Xylenes	NS	-	-	-	NA	NA	NA	-	-	NA
1,2,3-Trichlorobenzene	NS	2.8	130	79	NA	NA	NA	-	110	NA
1,2-Dichlorobenzene	600	-	14	10	-	4.2	-	-	-	0.59
1,4-Dichlorobenzene	5	-	-	-	-	4.0	-	-	4.4	2.1
Chlorobenzene	100	-	-	-	-	2.1	-	-	-	-
Tetrahydrofuran	NS	NA	NA	NA	NA	NA	NA	-	-	NA

Notes:
 -- = Not Detected
 NS = No Standard
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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-1	MW-1S	MW-1S	MW-1M	MW-1M	MW-1D	MW-1D	MW-32	MW-32	MW-32	MW-32
		18-Feb-02	10-Jul-02	01-May-03	10-Jul-02	30-Apr-03	10-Jul-02	30-Apr-03	28-Jul-99	06-Apr-00	29-Aug-01	01-Mar-02
VOCs - Organics (ug/L)												
Tetrachloroethene	5	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5											
cis-1,2-Dichloroethene	70											
trans-1,2-dichloroethene	100											
Vinyl chloride	2											
1,1-Dichloroethane	70											
1,1-Dichloroethene	1											
2-Butanone	400	NA		NA		NA		NA	NA	NA	NA	NA
Chloroform	5							1.2				
Toluene	1,000	NA		NA		NA		NA	NA	NA	NA	NA
meta & para Xylenes	NS	NA		NA		NA		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	NA		NA		NA		NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600							-				
1,4-Dichlorobenzene	5							-				
Chlorobenzene	100							-				
Tetrahydrofuran	NS	NA		NA		NA		NA	NA	NA	NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-261S	MW-261S	MW-261S	MW-262S	MW-262S	MW-262S	MW-262M	MW-262M	MW-262M	MW-262M	MW-262D	MW-262D	MW-262D
		07-Jan-03	29-Apr-03	01-Oct-03	07-Jan-03	29-Apr-03	03-Oct-03	07-Jan-03	30-Apr-03	30-Apr-03 DUP	03-Oct-03	07-Jan-03	30-Apr-03	03-Oct-03
VOCs - Organics (ug/L)														
Tetrachloroethene	5	59	-	56	2.0	3.8	2.8	-	-	-	-	-	-	-
Trichloroethene	5	4,400	4,300	3,300	100	150	57	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	70	130	80	110	1.4	-	-	-	-	-	-	-	-	-
trans-1,2-dichloroethene	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	70	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	400	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA
Chloroform	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	1,000	-	NA	NA	-	NA	NA	-	NA	NA	NA	2.7	NA	NA
meta & para Xylenes	NS	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA
1,2,3-Trichlorobenzene	NS	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA
1,2-Dichlorobenzene	600	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran	NS	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-263S	MW-263S	MW-263S	MW-263M	MW-263M	MW-263M	MW-263M	MW-264S	MW-264S	MW-264S	MW-264M	MW-264M	MW-264M
		07-Jan-03	30-Apr-03	03-Oct-03	07-Jan-03	07-Jan-03	30-Apr-03	03-Oct-03	07-Jan-03	28-Apr-03	03-Oct-03	07-Jan-03	28-Apr-03	03-Oct-03
VOCs - Organics (ug/L)														
Tetrachloroethene	5	-	-	0.59	-	-	-	-	4.1	3.2	0.57	9.0	14	20
Trichloroethene	5		0.85	-	-	-	2.5		15	6.9	2.6	100	110	150
cis-1,2-Dichloroethene	70		4.8	-	-	-	-		10	5.9	1.4	100	200	970
trans-1,2-dichloroethene	100		-	-	-	-	-		-	-	-	1.5	2.0	-
Vinyl chloride	2		-	-	-	-	-		-	-	-	22	-	87
1,1-Dichloroethane	70		-	-	-	-	-		-	-	-	-	-	-
1,1-Dichloroethene	1		-	-	-	-	-		-	-	-	-	-	-
2-Butanone	400		NA	NA	-	-	NA	NA	-	NA	NA	-	NA	NA
Chloroform	5		-	-	-	-	-		-	-	-	-	-	-
Toluene	1,000		NA	NA	24	24	NA	NA	-	NA	NA	-	NA	NA
meta & para Xylenes	NS		NA	NA	0.60	0.66	NA	NA	-	NA	NA	-	NA	NA
1,2,3-Trichlorobenzene	NS		NA	NA	-	-	NA	NA	-	NA	NA	-	NA	NA
1,2-Dichlorobenzene	600		-	-	-	-	-		-	-	-	-	-	-
1,4-Dichlorobenzene	5		-	-	-	-	-		-	-	-	-	-	-
Chlorobenzene	100		-	-	-	-	-		-	-	-	-	-	-
Tetrahydrofuran	NS		NA	NA	-	-	NA	NA	-	NA	NA	-	NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-264D	MW-264D	MW-264D	MW-265S	MW-265S	MW-265S	MW-265M	MW-265M	MW-265M	MW-265M	MW-265D	MW-265D	MW-265D	MW-265D
		07-Jan-03	28-Apr-03	03-Oct-03	07-Jan-03	28-Apr-03	02-Oct-03	07-Jan-03	28-Apr-03	28-Apr-03 DUP	02-Oct-03	07-Jan-03	07-Jan-03 DUP	28-Apr-03	02-Oct-03
VOCs - Organics (ug/L)															
Tetrachloroethene	5							31	-	-		45			
Trichloroethene	5							580	600	620		720			
cis-1,2-Dichloroethene	70							2,900	2,400	2,400		3,400			
trans-1,2-dichloroethene	100							-	-	-		-			
Vinyl chloride	2							360	-	-		520			
1,1-Dichloroethane	70							-	-	-		-			
1,1-Dichloroethene	1							-	-	-		-			
2-Butanone	400		NA	NA		NA	NA	-	NA	NA		NA		NA	NA
Chloroform	5							-	-	-		-			
Toluene	1,000		NA	NA		NA	NA	-	NA	NA		NA		NA	NA
meta & para Xylenes	NS		NA	NA		NA	NA	-	NA	NA		NA		NA	NA
1,2,3-Trichlorobenzene	NS		NA	NA		NA	NA	-	NA	NA		NA		NA	NA
1,2-Dichlorobenzene	600							-	-	-		-			
1,4-Dichlorobenzene	5							-	-	-		-			
Chlorobenzene	100							-	-	-		-			
Tetrahydrofuran	NS		NA	NA		NA	NA	-	NA	NA		NA		NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-266S	MW-266S	MW-266S	MW-266Ma	MW-266Ma	MW-266Ma	MW-266Mb	MW-266Mb	MW-266Mb	MW-266Mb	MW-266D	MW-266D	MW-266D
		06-Jan-03	28-Apr-03	02-Oct-03	06-Jan-03	28-Apr-03	02-Oct-03	06-Jan-03	28-Apr-03	02-Oct-03	02-Oct-03 DUP	06-Jan-03	28-Apr-03	02-Oct-03
VOCs - Organics (ug/L)														
Tetrachloroethene	5	-	-	-	-	-	-	66	90	78	71	-	-	-
Trichloroethene	5	-	-	-	4.1	1.8	5.9	540	200	640	440	-	-	-
cis-1,2-Dichloroethene	70	-	-	-	2.1	-	1.2	260	200	300	300	-	-	-
trans-1,2-dichloroethene	100	-	-	-	-	-	-	-	2.6	-	0.92	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	8.0	-	-	-
1,1-Dichloroethane	70	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	400		NA	NA	-	NA	NA	-	NA	NA	NA		NA	NA
Chloroform	5				-	-	-	-	-	-	-			
Toluene	1,000		NA	NA	-	NA	NA	-	NA	NA	NA		NA	NA
meta & para Xylenes	NS		NA	NA	-	NA	NA	-	NA	NA	NA		NA	NA
1,2,3-Trichlorobenzene	NS		NA	NA	-	NA	NA	-	NA	NA	NA		NA	NA
1,2-Dichlorobenzene	600				-	-	-	-	-	-	-			
1,4-Dichlorobenzene	5				-	-	-	-	-	-	-			
Chlorobenzene	100				-	-	-	-	-	-	-			
Tetrahydrofuran	NS		NA	NA	-	NA	NA	-	NA	NA	NA		NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-266B	MW-266B	MW-266B	MW-267S	MW-267S	MW-267S	MW-267M	MW-267M	MW-267M	MW-267D	MW-267D	MW-267D
		06-Jan-03	28-Apr-03	02-Oct-03	06-Jan-03	30-Apr-03	03-Oct-03	06-Jan-03	30-Apr-03	03-Oct-03	06-Jan-03	29-Apr-03	03-Oct-03
VOCs - Organics (ug/L)													
Tetrachloroethene	5	-	-	-	6.4	4.3	-	6.5	13	8.3	8.8	-	-
Trichloroethene	5	-	-	-	460	80	400	220	400	440	330	-	-
cis-1,2-Dichloroethene	70	-	-	-	120	80	100	120	370	230	180	-	-
trans-1,2-dichloroethene	100	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	70	-	-	-	-	0.94	-	-	-	-	-	-	-
1,1-Dichloroethene	1	-	-	-	-	0.52	-	-	-	-	-	-	-
2-Butanone	400		NA	NA	-	NA	NA	-	NA	NA	-	NA	NA
Chloroform	5				-	-	-	-	-	-	-	-	-
Toluene	1,000		NA	NA	-	NA	NA	-	NA	NA	-	NA	NA
meta & para Xylenes	NS		NA	NA	-	NA	NA	-	NA	NA	-	NA	NA
1,2,3-Trichlorobenzene	NS		NA	NA	-	NA	NA	-	NA	NA	-	NA	NA
1,2-Dichlorobenzene	600				-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	5				-	-	-	-	-	-	-	-	-
Chlorobenzene	100				-	-	-	-	-	-	-	-	-
Tetrahydrofuran	NS		NA	NA	-	NA	NA	-	NA	NA	-	NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-267B	MW-267B	MW-267B	MW-268S	MW-268S	MW-268S	MW-268M	MW-268M	MW-268M	MW-268M	MW-268D	MW-268D	MW-268D	MW-268D
		06-Jan-03	29-Apr-03	03-Oct-03	06-Jan-03	30-Apr-03	02-Oct-03	06-Jan-03	30-Apr-03	30-Apr-03	02-Oct-03	06-Jan-03	30-Apr-03	02-Oct-03	02-Oct-03
VOCs - Organics (ug/L)															
Tetrachloroethene	5	-	-	-	-	-	-	64	-	-	-	-	-	-	-
Trichloroethene	5	-	-	-	-	-	-	3,900	2,900	3,000	2,800	11	16	5.9	5.7
cis-1,2-Dichloroethene	70	-	-	-	1.0	-	-	10,000	6,800	6,700	7,400	18	27	8.5	8.1
trans-1,2-dichloroethene	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	290	-	-	-	280	1.3	-	-
1,1-Dichloroethane	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	400	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA	NA
Chloroform	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	1,000	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA	NA
meta & para Xylenes	NS	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA	NA
1,2,3-Trichlorobenzene	NS	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA	NA
1,2-Dichlorobenzene	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran	NS	-	NA	NA	-	NA	NA	-	NA	NA	NA	-	NA	NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-268B	MW-268B	MW-268B	MW-268B	MW-268B	MW-268B	MW-268B	MW-269S	MW-269S	MW-269S	MW-269Ma	MW-269Ma	MW-269Ma
		06-Jan-03	31-Jan-03	31-Jan-03 DUP	17-Feb-03	17-Feb-03 DUP	30-Apr-03	02-Oct-03	07-Jan-03	29-Apr-03	03-Oct-03	07-Jan-03	29-Apr-03	03-Oct-03
VOCs - Organics (ug/L)														
Tetrachloroethene	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5	-	-	-	-	-	-	-	3.7	2.6	1.6	-	-	-
cis-1,2-Dichloroethene	70	-	-	-	-	-	-	-	0.85	-	-	-	-	0.55
trans-1,2-dichloroethene	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	70	-	-	-	-	-	-	-	-	-	-	0.56	0.82	-
1,1-Dichloroethene	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	400	10	-	-	-	-	NA	NA	-	NA	NA	NA	NA	NA
Chloroform	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	1,000	-	-	-	-	-	NA	NA	-	NA	NA	NA	NA	NA
meta & para Xylenes	NS	-	-	-	-	-	NA	NA	-	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS	-	-	-	-	-	NA	NA	-	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	100	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran	NS	11	-	-	-	-	NA	NA	-	NA	NA	NA	NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	MW-269Mb	MW-269Mb	MW-269Mb	MW-269D	MW-269D	MW-269D	DEP-19S	DEP-19S	DEP-19S	DEP-19M	DEP-19M	DEP-19M	DEP-19M
		07-Jan-03	29-Apr-03	03-Oct-03	07-Jan-03	29-Apr-03	03-Oct-03	11-Jul-02	29-Apr-03	02-Oct-03	11-Jul-02	29-Apr-03	29-Apr-03 DUP	02-Oct-03
VOCs - Organics (ug/L)														
Tetrachloroethene	5										0.73	0.56	0.59	0.74
Trichloroethene	5										7.5	6.3	6.5	5.6
cis-1,2-Dichloroethene	70										35	29	30	29
trans-1,2-dichloroethene	100										-	-	-	-
Vinyl chloride	2										-	-	-	-
1,1-Dichloroethane	70										-	-	-	-
1,1-Dichloroethene	1										-	-	-	-
2-Butanone	400		NA	NA			NA	NA		NA	NA	NA	NA	NA
Chloroform	5										-	-	-	-
Toluene	1,000		NA	NA			NA	NA		NA	NA	NA	NA	NA
meta & para Xylenes	NS		NA	NA			NA	NA		NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	NS		NA	NA			NA	NA		NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600										-	-	-	-
1,4-Dichlorobenzene	5										-	-	-	-
Chlorobenzene	100										-	-	-	-
Tetrahydrofuran	NS		NA	NA			NA	NA		NA	NA	NA	NA	NA

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Sample I.D. Date Sampled Comments	MCP RCGW1	DEP-19D	DEP-19D	DEP-19D	DEP-19D	DEP-20	DEP-20	DEP-20	DEP-21	DEP-21	DEP-21
		11-Jul-02	29-Apr-03	02-Oct-03	02-Oct-03 DUP	11-Jul-02	29-Apr-03	02-Oct-03	11-Jul-02	29-Apr-03	02-Oct-03
VOCs - Organics (ug/L)											
Tetrachloroethene	5	-	-	-	-	-	-	-	1.1	0.65	0.94
Trichloroethene	5	0.53	2.2	1.0	0.99	-	-	-	5.4	4.9	3.9
cis-1,2-Dichloroethene	70	0.59	2.8	1.4	1.4	-	-	-	27	13	16
trans-1,2-dichloroethene	100	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	70	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	1	-	-	-	-	-	-	-	-	-	-
2-Butanone	400	-	NA	NA	NA	NA	NA	NA	-	NA	NA
Chloroform	5	-	-	-	-	-	-	-	-	-	-
Toluene	1,000	-	NA	NA	NA	NA	NA	NA	-	NA	NA
meta & para Xylenes	NS	-	NA	NA	NA	NA	NA	NA	-	NA	NA
1,2,3-Trichlorobenzene	NS	-	NA	NA	NA	NA	NA	NA	-	NA	NA
1,2-Dichlorobenzene	600	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	5	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	100	-	-	-	-	-	-	-	-	-	-
Tetrahydrofuran	NS	-	NA	NA	NA	NA	NA	NA	-	NA	NA

Notes:
-- = Not Detected
NS = No Standard
NA = Not Analyzed
Shading indicates exceedence of RCGW1
ug/L = microgram per liter