

**TABLE 1**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Soil Sample Analyses

Sample ID	Sample Interval (ft bg)		Mass Metals	SPLP Metals	Cyanide	SPLP Cyanide	Pesticides by EPA Method 8081	Polychlorinated Biphenyls by EPA Method 8082	SPLP PCBs	Semi-Volatile Organic Compounds by EPA Method 8270	Volatile Organic Compounds by EPA Method 8021B	Connecticut Extractable Total Petroleum Hydrocarbon <sup>1/2</sup>
LBG-MW-1	3.5	4	x	x		x	x	x		x	x	x
LBG-MW-1	13.5	14	x			x	x	x		x	x	x
LBG-MW-2	3.5	4	x			x	x	x		x	x	x
LBG-MW-3	3.5	4	x	x		x	x	x		x	x	x
LBG-MW-3	5	5.5	x	x		x	x	x		x	x	x
LBG-MW-3	9	9.5	x	x		x	x	x		x	x	x
LBG-MW-4	2.5	3	x			x	x	x		x	x	x
LBG-MW-5	3.5	4	x			x	x	x		x	x	x
LBG-MW-6	3.5	4	x	x		x	x	x		x	x	x
LBG-MW-6	5.5	6	x	x		x	x	x		x	x	x
LBG-MW-6	11	11.5	x	x		x	x	x		x	x	x
LBG-MW-6	13.5	14	x			x	x	x		x	x	x
LBG-MW-16	2.5	3	x			x	x	x		x	x	x
LBG-MW-16	4	6	x			x	x	x		x	x	x
LBG-MW-16	21.3	22	x			x	x	x		x	x	x
LBG-TB-1	2	4	x	x	x	x	x	x		x	x	x
LBG-TB-1	8	10	x	x		x	x	x		x	x	x
LBG-TB-1	16	18	x	x		x	x	x		x	x	x
LBG-TB-1	20	22	x	x		x	x	x		x	x	x
LBG-TB-2	1.5	2	x	x		x	x	x		x	x	x
LBG-TB-2	2	4	x	x		x	x	x		x	x	x

**TABLE 1**  
**(continued)**

**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Soil Sample Analyses

Sample ID	Sample Interval (ft bg)		Mass Metals	SPLP Metals	Cyanide	SPLP Cyanide	Pesticides by EPA Method 8081	Polychlorinated Biphenyls by EPA Method 8082	SPLP PCBs	Semi-Volatile Organic Compounds by EPA Method 8270	Volatile Organic Compounds by EPA Method 8021B	Connecticut Extractable Total Petroleum Hydrocarbon <sup>1/</sup>
LBG-TB-2	5	6	x	x	x	x	x	x		x	x	x
LBG-TB-2	11	12	x	x		x	x	x		x	x	x
LBG-TB-2	15	16	x			x	x	x		x	x	x
LBG-TB-3	2	4	x	x		x	x	x		x	x	x
LBG-TB-3	8	10	x	x		x	x	x		x	x	x
LBG-TB-3	16	18	x	x		x	x	x		x	x	x
LBG-TB-3	23	24	x	x		x	x	x		x	x	x
LBG-TB-4	3	4	x	x		x	x	x		x	x	x
LBG-TB-4	9	10	x	x	x	x	x	x		x	x	x
LBG-TB-4	16	18	x	x		x	x	x		x	x	x
LBG-TB-4	23	24	x			x	x	x		x	x	x
LBG-TB-5	1.6	2	x	x		x	x	x	x	x	x	x
LBG-TB-5	2	4	x	x		x	x	x		x	x	x
LBG-TB-5	7	8	x	x		x	x	x		x	x	x
LBG-TB-5	15	16	x	x		x	x	x		x	x	x
LBG-TB-5	19	20	x			x	x	x		x	x	x
LBG-TB-6	2	3	x	x		x	x	x		x	x	x
LBG-TB-6	6	8	x	x		x	x	x		x	x	x
LBG-TB-6	10	11	x	x		x	x	x		x	x	x
LBG-TB-6	13	14	x			x	x	x		x	x	x
LBG-TB-7	1.2	2	x	x		x	x	x	x	x	x	x
LBG-TB-7	2	2.5	x	x		x	x	x		x	x	x
LBG-TB-7	8.7	9.7	x			x	x	x		x	x	x

**TABLE 1**  
**(continued)**

**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Soil Sample Analyses

Sample ID	Sample Interval (ft bg)		Mass Metals	SPLP Metals	Cyanide	SPLP Cyanide	Pesticides by EPA Method 8081	Polychlorinated Biphenyls by EPA Method 8082	SPLP PCBs	Semi-Volatile Organic Compounds by EPA Method 8270	Volatile Organic Compounds by EPA Method 8021B	Connecticut Extractable Total Petroleum Hydrocarbon <sup>1/</sup>
LBG-TB-8	1.1	1.3	x	x		x	x	x		x	x	x
LBG-TB-8	2	2.4	x	x	x	x	x	x		x	x	x
LBG-TB-8	5	6	x	x		x	x	x		x	x	x
LBG-TB-8	12	13	x	x		x	x	x		x	x	x
LBG-TB-9	0.9	1.5	x	x		x	x	x		x	x	x
LBG-TB-9	2	2.8	x			x	x	x		x	x	x
LBG-TB-9	5	6	x			x	x	x		x	x	x
LBG-TB-10	2	3	x			x	x	x		x	x	x
LBG-TB-11	2	3	x	x		x	x	x		x	x	x
LBG-TB-12	2.2	3.1	x	x		x	x	x	x	x	x	x
LBG-TB-12	4.9	5.7	x	x		x	x	x		x	x	x
LBG-TB-12	13.4	13.9	x	x		x	x	x		x	x	x
LBG-TB-12	23	24	x			x	x	x		x	x	x
LBG-TB-13	2.7	3.1	x	x		x	x	x		x	x	x
LBG-TB-13	5	6	x			x	x	x		x	x	x
LBG-TB-14	2	3	x	x		x	x	x		x	x	x
LBG-TB-14	4	5	x			x	x	x		x	x	x
LBG-TB-15	2	3	x	x		x	x	x		x	x	x
LBG-TB-15	7	8	x	x		x	x	x		x	x	x
LBG-TB-16	1.1	1.5	x	x		x	x	x		x	x	x
LBG-TB-16	3.5	4	x	x		x	x	x		x	x	x
LBG-TB-16	4.5	5.2	x	x		x	x	x		x	x	x
LBG-TB-16	12	13.1	x	x		x	x	x		x	x	x

**TABLE 1**  
(continued)

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Soil Sample Analyses**

Sample ID	Sample Interval (ft bg)		Mass Metals	SPLP Metals	Cyanide	SPLP Cyanide	Pesticides by EPA Method 8081	Polychlorinated Biphenyls by EPA Method 8082	SPLP PCBs	Semi-Volatile Organic Compounds by EPA Method 8270	Volatile Organic Compounds by EPA Method 8021B	Connecticut Extractable Total Petroleum Hydrocarbon <sup>1/</sup>
LBG-TB-16	22	23	x	x		x	x	x		x	x	x
LBG-TB-17	1.6	2	x	x		x	x	x		x	x	x
LBG-TB-17	2	3	x	x		x	x	x		x	x	x
LBG-TB-17	4	4.9	x	x		x	x	x		x	x	x
LBG-TB-17	16.2	17.1	x	x	x	x	x	x		x	x	x
LBG-TB-17	20	21	x			x	x	x		x	x	x
LBG-TB-18	2	3.5	x			x	x	x		x	x	x
LBG-TB-19	3	4	x	x		x	x	x		x	x	x
LBG-TB-19	8	10	x	x		x	x	x		x	x	x
LBG-TB-19	14	16	x	x		x	x	x		x	x	x
LBG-TB-19	27	28	x			x	x	x		x	x	x
LBG-TB-20	3.5	4	x			x	x	x		x	x	x
LBG-TB-20	4.7	4.11	x	x		x	x	x		x	x	x
LBG-TB-20	16	16.5	x	x		x	x	x		x	x	x
LBG-TB-20	29	29.5	x			x	x	x		x	x	x
LBG-TB-21	3	4	x	x		x	x	x		x	x	x
LBG-TB-21	7	8	x	x		x	x	x		x	x	x
LBG-TB-21	15	16	x	x		x	x	x	x	x	x	x
LBG-TB-21	24	26	x	x		x	x	x		x	x	x
LBG-TB-22	3.5	4	x	x		x	x	x		x	x	x
LBG-TB-22	5.5	6	x	x	x	x	x	x		x	x	x
LBG-TB-22	15.5	16	x	x		x	x	x	x	x	x	x
LBG-TB-22	22	22.5	x	x		x	x	x		x	x	x

**TABLE 1**  
**(continued)**

**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

**Summary of Soil Sample Analyses**

<b>Sample ID</b>	<b>Sample Interval (ft bg)</b>		<b>Mass Metals</b>	<b>SPLP Metals</b>	<b>Cyanide</b>	<b>SPLP Cyanide</b>	<b>Pesticides by EPA Method 8081</b>	<b>Polychlorinated Biphenyls by EPA Method 8082</b>	<b>SPLP PCBs</b>	<b>Semi-Volatile Organic Compounds by EPA Method 8270</b>	<b>Volatile Organic Compounds by EPA Method 8021B</b>	<b>Connecticut Extractable Total Petroleum Hydrocarbon<sup>1/</sup></b>
LBG-TB-23	3	4	x			x	x	x		x	x	x
LBG-TB-23	7	8	x	x	x	x	x	x		x	x	x
LBG-TB-23	18	20	x	x		x	x	x		x	x	x
LBG-TB-23	27	29	x	x		x	x	x		x	x	x
LBG-TB-24	3.5	4	x			x	x	x		x	x	x
LBG-TB-24	7.8	8	x	x	x	x	x	x		x	x	x
LBG-TB-24	13.5	14	x			x	x	x		x	x	x
LBG-TB-24	23.5	24	x	x		x	x	x		x	x	x
LBG-TB-25	3.5	4	x	x	x	x	x	x		x	x	x
LBG-TB-25	9.5	10	x	x		x	x	x	x	x	x	x
LBG-TB-25	13.5	14	x	x		x	x	x	x	x	x	x
LBG-TB-25	17.5	18	x			x	x	x		x	x	x
LBG-TP-5	2.3	3.4	x			x	x	x		x	x	x
LBG-TP-5	3.4	3.7	x			x	x	x	x	x	x	x

Note: Metal analytical lists included Priority Pollutant Metals plus Barium. Total chromium analyses was replaced with hexavalent chromium. Target metals which are identified in soil samples greater than 1.5 times the local background concentrations or average concentration of the element found in uncontaminated soil in the Eastern United States (whichever is lower) were analyzed by SPLP for the target metal.

<sup>1/</sup> Includes carbon range and oil identification if applicable.



**TABLE 2**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

**Summary of Water Sample Analyses**

<b>Monitor Well</b>	<b>Initial Phase of Investigation</b> VOCs by EPA Method 8021B SVOCs (PAHs only) by EPA Method 8270 CTETPH Priority Pollutant Metals Plus Barium Cyanide Pesticides by EPA Method 8081 <sup>1/</sup> PCBs by EPA Method 8082	<b>Second Phase of Investigation</b> VOCs by EPA Method 8260 plus ketones and TICS SVOCs by EPA Method 8270 plus TICS CTETPH (carbon range and oil identification if applicable) Priority pollutant metals plus Barium, Cobalt, Vanadium and Tin Cyanide Pesticides by EPA Method 8081 <sup>1/</sup> Herbicides by EPA Method 8151 PCBs by EPA Method 8082 Sulfides and Sulfates Total Dissolved Iron and Manganese Potassium, Sodium, Ammonia and Nitrate Total Suspended and Dissolved solids Alkalinity Chlorides Biological Oxygen Demand
LBG-MW-1	X	X
LBG-MW-2	X	X
LBG-MW-3	X	X
LBG-MW-4 <sup>2/</sup>	X	
LBG-MW-4A		X
LBG-MW-4B		X
LBG-MW-4C		X
LBG-MW-5	X	X
LBG-MW-6	X	X
LBG-MW-7A		X
LBG-MW-7B		X
LBG-MW-8		X
LBG-MW-9		X
LBG-MW-10A		X
LBG-MW-10B		X
LBG-MW-11		X
LBG-MW-12		X
LBG-MW-13		X
LBG-MW-14A		X
LBG-MW-14B		X
LBG-MW-15A		X
LBG-MW-15B		X
LBG-MW-16		X
LBG-MW-17		X
HA-B107-OW		X
HA-B111-OW		X

<sup>1/</sup> Detection limit of 10 parts per trillion required for dieldrin results

<sup>2/</sup> Replaced well with LBG-MW-4B



**TABLE 3**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

**Monitor Well and Soil Boring Completion Summary Table**

Monitor Well	Date Installed	Elevation of Top of Casing (ft hsl)	Elevation of Grade (ft hsl)	Depth of Boring (ft bg)	Monitor Well Depth (ft bg)	Diameter of Borehole (inches)	Well Screen Diameter and Material	Screen Length (feet)	Screen Setting (ft bg)	Well Screen Slot Size (inches)	Gravel Pack size and type	Gravel Pack Setting (ft bg)	Bentonite Setting (ft bg)
LBG-MW-1	7/16/02	53.48	53.62	27	27	6.75	2-inch PVC	15	12 to 27	0.010	1	10 to 27	8 to 10
LBG-MW-2	7/16/02	50.35	50.50	27	27	6.75	2-inch PVC	15	12 to 27	0.010	1	10 to 27	8 to 10
LBG-MW-3	7/17/02	48.95	49.08	25	25	6.75	2-inch PVC	15	10 to 25	0.010	1	8 to 25	6 to 8
LBG-MW-4 <sup>u</sup>	7/15/02	--	--	33	33	6.75	2-inch PVC	15	18 to 33	0.010	1	16 to 33	12 to 14
LBG-MW-4A	8/9/02	55.81	55.97	24	21	6.75	2-inch PVC	5	16 to 21	0.010	1	14 to 21	21 to 24
LBG-MW-4B	8/9/02	55.71	55.89	35	35	6.75	2-inch PVC	10	25 to 35	0.010	1	23 to 35	21 to 23
LBG-MW-4C	8/12/02	55.77	55.97	67	65	6.75	2-inch PVC	10	55 to 65	0.010	1	53 to 67	51 to 53
LBG-MW-5	7/15/02	55.71	55.94	33	33	6.75	2-inch PVC	15	18 to 33	0.010	1	16 to 33	14 to 16
LBG-MW-6	7/17/02	54.20	54.35	31	31	6.75	2-inch PVC	15	16 to 31	0.010	1	14 to 31	12 to 14
LBG-MW-7A	8/5/02	51.33	51.74	25	24	6.75	2-inch PVC	10	14 to 24	0.010	1	12 to 24	10 to 12
LBG-MW-7B	8/5/02	51.13	51.37	42	40	6.75	2-inch PVC	5	35 to 40	0.010	1	33 to 40	24 to 25
LBG-MW-8	8/6/02	42.49	42.81	14	14	6.75	2-inch PVC	10	4 to 14	0.010	1	2.5 to 14	31 to 33
LBG-MW-9	8/6/02	46.77	46.92	19	19	6.75	2-inch PVC	15	4 to 19	0.010	1	2.5 to 19	1 to 1.5
LBG-MW-10A	8/6/02	52.95	53.25	24	23	6.75	2-inch PVC	10	13 to 23	0.010	1	11 to 23	1 to 2.5
LBG-MW-10B	8/7/02	53.00	53.41	41	39	6.75	2-inch PVC	5	34 to 39	0.010	1	32 to 39	9 to 11
LBG-MW-11	8/8/02	54.50	54.65	24	19	6.75	2-inch PVC	10	9 to 19	0.010	1	7 to 24	23 to 24
LBG-MW-12	8/9/02	53.61	53.94	29	25	6.75	2-inch PVC	15	10 to 25	0.010	1	8 to 25	5 to 7
LBG-MW-13	8/8/02	51.83	52.00	27	26	6.75	2-inch PVC	15	11 to 26	0.010	1	9 to 26	6 to 8
LBG-MW-14A	8/7/02	53.83	54.13	26	23	6.75	2-inch PVC	15	8 to 23	0.010	1	6 to 23	7 to 9
LBG-MW-14B	8/7/02	54.04	54.27	38	38	6.75	2-inch PVC	5	33 to 38	0.010	1	31 to 38	2 to 6
LBG-MW-15A	8/8/02	53.81	54.38	27	25	6.75	2-inch PVC	15	10 to 25	0.010	1	8 to 25	23 to 26
LBG-MW-15B	8/8/02	53.88	54.29	40	40	6.75	2-inch PVC	5	35 to 40	0.010	1	33 to 40	29 to 31
LBG-MW-16	8/8/02	56.03	56.43	27	27	6.75	2-inch PVC	10	17 to 27	0.010	1	15 to 27	6 to 8
LBG-MW-17	8/12/02	54.98	55.26	27	27	6.75	2-inch PVC	10	17 to 27	0.010	1	15 to 27	25 to 27
LBG-TB-1	7/15/02	--	53.78	22	--	6.75	--	--	--	--	--	--	--
LBG-TB-2	7/15/02	--	53.62	16	--	6.75	--	--	--	--	--	--	--
LBG-TB-3	7/15/02	--	52.09	24	--	6.75	--	--	--	--	--	--	--
LBG-TB-4	7/16/02	--	51.74	28	--	6.75	--	--	--	--	--	--	--
LBG-TB-5	7/16/02	--	54.31	20	--	6.75	--	--	--	--	--	--	--
LBG-TB-6	7/17/02	--	54.86	16	--	6.75	--	--	--	--	--	--	--
LBG-TB-7	7/16/02	--	44.63	16	--	2	--	--	--	--	--	--	--

**TABLE 3  
(continued)**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Monitor Well Soil Boring Completion Summary Table**

Monitor Well	Date Installed	Elevation of Top of Casing (ft hsl)	Elevation of Grade (ft hsl)	Depth of Boring (ft bg)	Monitor Well Depth (ft bg)	Diameter of Borehole (inches)	Well Screen Diameter and Material	Screen Length (feet)	Screen Setting (ft bg)	Well Screen Slot Size (inches)	Gravel Pack size and type	Gravel Pack Setting (ft bg)	Bentonite Setting (ft bg)
LBG-TB-8	7/16/02	--	42.87	16	--	2	--	--	--	--	--	--	--
LBG-TB-9	7/16/02	--	47.61	12	--	2	--	--	--	--	--	--	--
LBG-TB-10	7/16/02	--	61.10	20	--	2	--	--	--	--	--	--	--
LBG-TB-11	7/15/02	--	61.77	12	--	2	--	--	--	--	--	--	--
LBG-TB-12	7/15/02	--	55.45	24	--	2	--	--	--	--	--	--	--
LBG-TB-13	7/15/02	--	56.28	12	--	2	--	--	--	--	--	--	--
LBG-TB-14	7/15/02	--	55.15	12	--	2	--	--	--	--	--	--	--
LBG-TB-15	7/15/02	--	54.33	12	--	2	--	--	--	--	--	--	--
LBG-TB-16	7/16/02	--	54.04	24	--	2	--	--	--	--	--	--	--
LBG-TB-17	7/17/02	--	54.46	24	--	2	--	--	--	--	--	--	--
LBG-TB-18	7/17/02	--	51.84	12	--	2	--	--	--	--	--	--	--
LBG-TB-19	7/17/02	--	53.47	30	--	6.75	--	--	--	--	--	--	--
LBG-TB-20	7/18/02	--	52.56	32	--	6.75	--	--	--	--	--	--	--
LBG-TB-21	7/18/02	--	52.59	28	--	6.75	--	--	--	--	--	--	--
LBG-TB-22	7/18/02	--	54.02	24	--	6.75	--	--	--	--	--	--	--
LBG-TB-23	7/18/02	--	53.74	31	--	6.75	--	--	--	--	--	--	--
LBG-TB-24	7/18/02	--	54.42	26	--	6.75	--	--	--	--	--	--	--
LBG-TB-25	7/19/02	--	54.44	22	--	6.75	--	--	--	--	--	--	--
LBG-TB-26	7/17/02	--	54.92	24	--	2	--	--	--	--	--	--	--
LBG-TB-27	7/17/02	--	54.58	24	--	2	--	--	--	--	--	--	--
LBG-TB-28	7/17/02	--	56.95	12	--	2	--	--	--	--	--	--	--
LBG-TB-29	7/17/02	--	56.29	12	--	2	--	--	--	--	--	--	--
LBG-TB-30	8/13/02	--	61.39	18	--	6.75	--	--	--	--	--	--	--
LBG-TB-31	8/13/02	--	53.88	14	--	6.75	--	--	--	--	--	--	--
LBG-TB-32	8/13/02	--	54.79	12	--	6.75	--	--	--	--	--	--	--
LBG-TB-33	11/11/02	--	50.73	12	--	2	--	--	--	--	--	--	--
LBG-TB-34	11/11/02	--	47.37	12	--	2	--	--	--	--	--	--	--
LBG-TB-35	11/11/02	--	46.03	12	--	2	--	--	--	--	--	--	--
LBG-TB-36	11/11/02	--	52.33	12	--	2	--	--	--	--	--	--	--
LBG-TB-37	11/11/02	--	47.99	12	--	2	--	--	--	--	--	--	--
LBG-TB-38	11/11/02	--	56.82	12	--	2	--	--	--	--	--	--	--
LBG-TB-39	11/11/02	--	57.90	12	--	2	--	--	--	--	--	--	--
LBG-TB-40	11/11/02	--	54.59	4	--	2	--	--	--	--	--	--	--
LBG-TB-41	11/11/02	--	54.60	8	--	2	--	--	--	--	--	--	--
LBG-TB-42	11/11/02	--	59.00	13	--	2	--	--	--	--	--	--	--
LBG-TB-43	11/11/02	--	59.10	12	--	2	--	--	--	--	--	--	--

**TABLE 3  
(continued)**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Monitor Well Soil Boring Completion Summary Table**

<b>Monitor Well</b>	<b>Date Installed</b>	<b>Elevation of Top of Casing (ft hsl)</b>	<b>Elevation of Grade (ft hsl)</b>	<b>Depth of Boring (ft bg)</b>	<b>Monitor Well Depth (ft bg)</b>	<b>Diameter of Borehole (inches)</b>	<b>Well Screen Diameter and Material</b>	<b>Screen Length (feet)</b>	<b>Screen Setting (ft bg)</b>	<b>Well Screen Slot Size (inches)</b>	<b>Gravel Pack size and type</b>	<b>Gravel Pack Setting (ft bg)</b>	<b>Bentonite Setting (ft bg)</b>
LBG-TB-44	11/11/02	--	59.75	12	--	2	--	--	--	--	--	--	--
LBG-TB-45	11/11/02	--	59.48	12	--	2	--	--	--	--	--	--	--
LBG-TB-46	11/11/02	--	60.91	12	--	2	--	--	--	--	--	--	--

ft bg      Feet below grade.  
ft hsl      Feet high sea level.  
1/        Replaced well with LBG-MW-4B



**TABLE 4**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Depth to Ground-Water Summary Table**

	<b>7/26/02</b>	<b>8/21/02</b>	<b>9/6/02</b>	<b>9/13/02</b>	<b>9/23/02</b>	<b>10/4/02</b>
LBG-MW-1	17.50	17.85	17.09	16.39	14.53	17.59
LBG-MW-2	14.30	14.65	14.28	14.37	14.35	14.39
LBG-MW-3	12.55	12.90	12.42	12.55	12.51	12.52
LBG-MW-4 <sup>L</sup>	20.50					
LBG-MW-4A		20.78	20.54	20.56	20.58	20.59
LBG-MW-4B		20.69	20.44	20.46	20.46	20.49
LBG-MW-4C		20.70	20.48	20.50	20.50	20.51
LBG-MW-5	20.01	20.32	20.05	20.07	20.09	20.10
LBG-MW-6	18.00	18.35	17.98	18.04	18.02	18.09
LBG-MW-7A		11.80	11.76	11.76	11.78	11.80
LBG-MW-7B		15.72	15.19	15.29	15.27	15.29
LBG-MW-8		4.73	4.31	4.41	4.43	4.32
LBG-MW-9		10.40	9.98	10.02	10.01	9.92
LBG-MW-10A		14.42	14.17	14.19	14.12	14.15
LBG-MW-10B		17.84	17.11	17.18	17.14	17.17
LBG-MW-11		16.38	16.05	15.95	15.84	15.79
LBG-MW-12		17.00	16.09	16.17	16.21	16.17
LBG-MW-13		16.25	15.92	15.99	16.00	16.02
LBG-MW-14A		14.25	13.91	13.96	13.99	14.00
LBG-MW-14B		18.99	18.21	18.35	18.32	18.32
LBG-MW-15A		18.71	17.29	18.16	18.02	17.99
LBG-MW-15B		18.92	18.17	18.25	18.23	18.25
LBG-MW-16		20.85	20.64	20.69	20.67	20.70
LBG-MW-17		19.75	19.47	19.49	19.48	19.52
HA-B101-OW			17.24	17.27	17.27	17.29
HA-B102-OW			16.74	16.77	16.70	16.80
HA-B104-OW			15.02	15.01	15.01	15.03
HA-B105-OW			16.51	16.50	16.50	16.52
HA-B107-OW		17.26	16.94	16.94	16.95	16.90
HA-B108-OW			23.53	23.54	25.14	23.49
HA-B109-OW			25.13	25.14	25.13	25.08
HA-B111-OW		26.50	26.17	26.20	26.19	26.16
MRP-HA101-OW			4.96	7.87	7.93	7.70
MRP-HA103-OW			5.69	6.01	5.97	5.76
MRP-HA107-OW			5.64	5.95	5.89	5.67
RF-HA108-OW			4.78	4.98	4.96	4.59
RF-HA110-OW			5.53	5.84	5.86	5.64
RF-HA115-OW			10.42	10.45	10.46	10.21

**TABLE 4**  
**(continued)**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Depth to Ground-Water Summary Table**

	<b>7/26/02</b>	<b>8/21/02</b>	<b>9/6/02</b>	<b>9/13/02</b>	<b>9/23/02</b>	<b>10/4/02</b>
RF-HA123-OW			8.15	8.16	8.14	9.78
BT-113					5.93	5.89
MS-109					7.09	7.03
NH-499					16.04	16.01
WIN-1067					8.44	8.42

Note: All depth to water data presented in feet below top of PVC casing.

1/ Well replaced by LBG-MW-4B. LBG-MW-4 was surveyed to a relative elevation

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**TABLE 6**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Ground-Water Elevation Summary Table**

	<b>7/26/02</b>	<b>8/21/02</b>	<b>9/6/02</b>	<b>9/13/02</b>	<b>9/23/02</b>	<b>10/4/02</b>
LBG-MW-1	35.98	35.63	36.39	37.09	38.95	35.89
LBG-MW-2	36.05	35.70	36.07	35.98	36.00	35.96
LBG-MW-3	36.40	36.05	36.53	36.40	36.44	36.43
LBG-MW-4 <sup>L</sup>	--					
LBG-MW-4A		35.03	35.27	35.25	35.23	35.22
LBG-MW-4B		35.02	35.27	35.25	35.25	35.22
LBG-MW-4C		35.07	35.29	35.27	35.27	35.26
LBG-MW-5	35.70	35.39	35.66	35.64	35.62	35.61
LBG-MW-6	36.20	35.85	36.22	36.16	36.18	36.11
LBG-MW-7A		39.53	39.57	39.57	39.55	39.53
LBG-MW-7B		35.41	35.94	35.84	35.86	35.84
LBG-MW-8		37.76	38.18	38.08	38.06	38.17
LBG-MW-9		36.37	36.79	36.75	36.76	36.85
LBG-MW-10A		38.53	38.78	38.76	38.83	38.80
LBG-MW-10B		35.16	35.89	35.82	35.86	35.83
LBG-MW-11		38.12	38.45	38.55	38.66	38.71
LBG-MW-12		36.61	37.52	37.44	37.40	37.44
LBG-MW-13		35.58	35.91	35.84	35.83	35.81
LBG-MW-14A		39.58	39.92	39.87	39.84	39.83
LBG-MW-14B		35.05	35.83	35.69	35.72	35.72
LBG-MW-15A		35.10	36.52	35.65	35.79	35.82
LBG-MW-15B		34.96	35.71	35.63	35.65	35.63
LBG-MW-16		35.18	35.39	35.34	35.36	35.33
LBG-MW-17		35.23	35.51	35.49	35.50	35.46
HA-B101-OW			36.23	36.20	36.20	36.18
HA-B102-OW			36.21	36.18	36.25	36.15
HA-B104-OW			38.71	38.72	38.72	38.70
HA-B105-OW			36.19	36.20	36.20	36.18
HA-B107-OW		35.88	36.20	36.20	36.19	36.24
HA-B108-OW			36.81	36.80	35.20	36.85
HA-B109-OW			36.83	36.82	36.83	36.88
HA-B111-OW		36.26	36.59	36.56	36.57	36.60
MRP-HA101-OW			41.31	38.40	38.34	38.57
MRP-HA103-OW			42.12	41.80	41.84	42.05
MRP-HA107-OW			46.17	45.86	45.92	46.14
RF-HA108-OW			38.63	38.43	38.45	38.82
RF-HA110-OW			38.05	37.74	37.72	37.94
RF-HA115-OW			37.63	37.60	37.59	37.84

**TABLE 6**  
**(continued)**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Ground-Water Elevation Summary Table**

	<b>7/26/02</b>	<b>8/21/02</b>	<b>9/6/02</b>	<b>9/13/02</b>	<b>9/23/02</b>	<b>10/4/02</b>
RF-HA123-OW			37.09	37.08	37.10	35.46
BT-113					42.70	42.74
MS-109					42.07	42.13
NH-499					37.20	37.23
WIN-1067					39.14	39.16

Note: All elevations presented in feet high sea level.

Note: All depth to water data presented in feet below top of PVC casing.

1/ Well replaced by LBG-MW-4B. LBG-MW-4 was surveyed to a relative elevation.

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**TABLE 5**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Magnitude of Vertical Head Difference**

<b>Date</b>	<b>Location and Ground-Water Elevation (ft, hsl)</b>		<b>Head Difference (ft)</b>
	LBG-MW -4A	LBG-MW -4B	
8/21/02	35.03	35.02	-0.01
9/6/02	35.27	35.27	0
9/13/02	35.25	35.25	0
9/23/02	35.23	35.25	+0.02
10/4/02	35.22	35.22	0
	LBG-MW -4A	LBG-MW -4C	
8/21/02	35.03	35.07	+0.04
9/6/02	35.27	35.29	+0.02
9/13/02	35.25	35.27	+0.02
9/23/02	35.23	35.27	+0.04
10/4/02	35.22	35.26	+0.04
	LBG-MW -7A	LBG-MW -7B	
8/21/02	39.53	35.41	-4.12
9/6/02	39.57	35.94	-3.63
9/13/02	39.57	35.84	-3.73
9/23/02	39.55	35.86	-3.69
10/4/02	39.53	35.84	-3.69
	LBG-MW -10A	LBG-MW -10B	
8/21/02	38.53	35.16	-3.37
9/6/02	38.78	35.89	-2.89
9/13/02	38.76	35.82	-2.94
9/23/02	38.83	35.86	-2.97
10/4/02	38.80	35.83	-2.97
	LBG-MW -14A	LBG-MW -14B	
8/21/02	39.58	35.05	-4.53
9/6/02	39.92	35.83	-4.09
9/13/02	39.87	35.69	-4.18
9/23/02	39.84	35.72	-4.12
10/4/02	39.83	35.72	-4.11
	LBG-MW -15A	LBG-MW -15B	
8/21/02	35.1	34.96	-0.14
9/6/02	36.52	35.71	-0.81
9/13/02	35.65	35.63	-0.02
9/23/02	35.79	35.65	-0.14
10/4/02	35.82	35.63	-0.19

Note: Negative denotes downward vertical flow direction.

hsl high sea level

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TABLE 7

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Pesticide Soil-Quality Results**

	Sample Interval (ft bg)		Date Collected	Sample Material	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Chlordane (ug/kg)
LBG-MW-1	3.5	4	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-MW-1	13.5	14	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-MW-2	3.5	4	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-MW-3	3.5	4	7/19/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-MW-3	5	5.5	7/19/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-MW-3	9	9.5	7/17/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-MW-4	2.5	3	7/15/02	Non Fill	ND<30	ND<30	ND<30	ND<150
LBG-MW-5	3.5	4	7/15/02	Non Fill	ND<30	ND<30	ND<30	ND<150
LBG-MW-6	3.5	4	7/17/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-MW-6	5.5	6	7/17/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-MW-6	11	11.5	7/17/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-MW-6	13.5	14	7/17/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-MW-16	2.5	3	8/7/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-MW-16	4	6	8/7/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-MW-16	21.3	22	8/7/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-1	2	4	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-1	8	10	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-1	16	18	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-1	20	22	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-2	1.5	2	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-2	2	4	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-2	5	6	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-2	11	12	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-2	15	16	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-3	2	4	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-3	8	10	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-3	16	18	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-3	23	24	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-4	3	4	7/16/02	BMF	15.4	60.7	25.4	ND<50
LBG-TB-4	9	10	7/16/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-4	16	18	7/16/02	BMF	ND<30	ND<30	ND<30	ND<150
LBG-TB-4	23	24	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-5	1.6	2	7/16/02	BMF	ND<10	ND<10	ND<10	ND<50

**TABLE 7**  
**(continued)**

**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

**Summary of Pesticide Soil-Quality Results**

	Sample Interval (ft bg)		Date Collected	Sample Material	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Chlordane (ug/kg)
LBG-TB-5	2	4	7/16/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-5	7	8	7/16/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-5	15	16	7/16/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-5	19	20	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-6	2	3	7/17/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-6	6	8	7/17/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-6	10	11	7/17/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-6	13	14	7/17/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-7	1.2	2	7/16/02	BMF & MW	ND<10	ND<10	ND<10	ND<50
LBG-TB-7	2	2.5	7/16/02	BMF & MW	ND<10	ND<10	ND<10	ND<50
LBG-TB-7	8.7	9.7	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-8	1.1	1.3	7/16/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-8	2	2.4	7/16/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-8	5	6	7/16/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-8	12	13	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-9	0.9	1.5	7/16/02	BMF	ND<10	ND<10	47.4	ND<50
LBG-TB-9	2	2.8	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-9	5	6	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-10	2	3	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-11	2	3	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-12	2.2	3.1	7/15/02	DD	ND<10	ND<10	ND<10	ND<50
LBG-TB-12	4.9	5.7	7/15/02	BMF & DD	ND<10	ND<10	ND<10	ND<50
LBG-TB-12	13.4	13.9	7/15/02	BMF & DD	ND<10	ND<10	ND<10	ND<50
LBG-TB-12	23	24	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-13	2.7	3.1	7/15/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-13	5	6	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-14	2	3	7/15/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-14	4	5	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-15	2	3	7/15/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-15	7	8	7/15/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-16	1.1	1.5	7/16/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-16	3.5	4	7/16/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-16	4.5	5.2	7/16/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-16	12	13.1	7/16/02	BMF & CD	ND<10	ND<10	ND<10	ND<50

**TABLE 7  
(continued)**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Pesticide Soil-Quality Results**

	Sample Interval (ft bg)		Date Collected	Sample Material	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Chlordane (ug/kg)
LBG-TB-16	22	23	7/16/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-17	1.6	2	7/17/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-17	2	3	7/17/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-17	4	4.9	7/17/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-17	16.2	17.1	7/17/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-17	20	21	7/17/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-18	2	3.5	7/17/02	Non Fill	ND<30	ND<30	ND<30	ND<150
LBG-TB-18 Duplicate	2	3.5	7/17/02	Non Fill	13.3	ND<10	ND<10	ND<50
LBG-TB-19	3	4	7/17/02	CD	10.1	33.2	21.7	26.7
LBG-TB-19	8	10	7/17/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-19	14	16	7/17/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-19	27	28	7/17/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-20	3.5	4	7/18/02	Non Fill	ND<10	11.4	ND<10	ND<50
LBG-TB-20	4.7	4.11	7/18/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-20	16	16.5	7/18/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-20	29	29.5	7/18/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-21	3	4	7/18/02	CD	17.9	41.6	14.8	ND<50
LBG-TB-21	7	8	7/18/02	CD	64.9	ND<10	12	ND<50
LBG-TB-21	15	16	7/18/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-21	24	26	7/18/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-22	3.5	4	7/18/02	Non Fill	ND<10	15.3	ND<10	ND<50
LBG-TB-22	5.5	6	7/18/02	BMF	26.3	ND<10	43.3	ND<50
LBG-TB-22	15.5	16	7/18/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-22	22	22.5	7/18/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-23	3	4	7/18/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-23	7	8	7/18/02	BMF & CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-23	18	20	7/18/02	BMF & CD	ND<10	ND<10	ND<10	511
LBG-TB-23	27	29	7/18/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-24	3.5	4	7/19/02	CD	23.9	62.1	23.1	ND<50
LBG-TB-24	7.8	8	7/19/02	GC	ND<10	ND<10	ND<10	ND<50
LBG-TB-24	13.5	14	7/19/02	CD	ND<10	ND<10	ND<10	ND<50
LBG-TB-24	23.5	24	7/19/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TB-25	3.5	4	7/19/02	CD	23.9	62.1	23.1	ND<50

**TABLE 7  
(continued)**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Pesticide Soil-Quality Results**

	Sample Interval (ft bg)		Date Collected	Sample Material	4,4'-DDD (ug/kg)	4,4'-DDE (ug/kg)	4,4'-DDT (ug/kg)	Chlordane (ug/kg)
LBG-TB-25	9.5	10	7/19/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-25	13.5	14	7/19/02	BMF	ND<10	ND<10	ND<10	ND<50
LBG-TB-25	17.5	18	7/19/02	Non Fill	ND<10	ND<10	ND<10	ND<50
LBG-TP-5	2.3	3.4	8/13/02	GNS	ND<10	ND<10	ND<10	ND<50
LBG-TP-5	3.4	3.7	8/13/02	GRS	ND<10	ND<10	ND<10	ND<50
CTDEP GA Pollutant Mobility Criteria					NE	NE	NE	66
CTDEP Residential Direct Exposure Criteria					2,600	1,800	1,800	490

Note: Connecticut Department of Environmental Protection Remediation Standard Regulations GA Pollutant Mobility Criteria does not apply to soils collected below the seasonal low water table (LBG-TB-23 (18 to 20 ft bg)). The Connecticut Department of Environmental Protection Remediation Standard Regulations Residential Direct Exposure Criteria does not apply to soils deeper than 15 ft bg.

- ND<10 Not detected above noted laboratory limit.
- NE Criteria not established.
- BMF Black matrix fill, typical Winchester Repeating Arms fill.
- GRS Gray sand
- GNS Green sand
- GC Gray clay
- CD Construction debris
- DD Domestic debris
- ft bg feet below grade

TABLE 11  
ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Semi-Volatile Organic Compound Soil-Quality Results

Sample Location	Sample Interval (feet below grade)		Date Collected	Sample Material	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo(k)-fluoranthene (ug/kg)	Benzo[a]-anthracene (ug/kg)	Benzo[a]-pyrene (ug/kg)	Benzo[b]-fluoranthene (ug/kg)	Benzo[g,h,i]-perylene (ug/kg)	Bis(2-ethylhexyl)-Phthalate (ug/kg)	Chrysene (ug/kg)	Dibenzofuran (ug/kg)	Dibenz(a,h)anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno(1,2,3-cd)pyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)	
LBG-MW-1	3.5	4	7/16/02	Non Fill	ND<660	ND<660	830	2,300	2,000	1,500	1,400	ND<660	ND<660	1,600	ND<660	ND<660	2,900	ND<660	ND<660	ND<660	2,200	2,600	
LBG-MW-1	13.5	14	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-MW-2	3.5	4	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-MW-3	3.5	4	7/19/02	Non Fill	ND<660	1,200	1,700	2,400	2,700	1,700	1,200	ND<660	ND<660	2,400	ND<660	ND<660	4,700	2,000	ND<660	220	6,800	5,300	
LBG-MW-3	5	5.5	7/19/02	BMF & CD	ND<660	890	1,200	4,200	4,200	2,900	2,500	ND<660	ND<660	3,300	ND<660	ND<660	7,300	790	790	ND<5	3,300	6,700	
LBG-MW-3	9	9.5	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-MW-4	2.5	3	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-MW-5	3.5	4	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-MW-6	3.5	4	7/17/02	CD	ND<660	ND<660	ND<660	980	1,200	790	680	ND<660	ND<660	1,100	ND<660	ND<660	2,600	ND<660	ND<660	ND<5	1,800	2,100	
LBG-MW-6	5.5	6	7/17/02	CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-MW-6	11	11.5	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-MW-6	13.5	14	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-MW-16	2.5	3	8/7/02	CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-MW-16	4	6	8/7/02	CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	580	ND<330	ND<330	ND<330	ND<330	520	
LBG-MW-16	21.3	22	8/7/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-1	2	4	7/15/02	BMF	ND<660	ND<660	ND<660	3,500	2,500	2,900	2,700	ND<660	ND<660	2,900	ND<660	ND<660	2,500	ND<660	1,800	ND<660	680	3,300	
LBG-TB-1	8	10	7/15/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	29	ND<330	ND<330
LBG-TB-1	16	18	7/15/02	BMF	ND<660	ND<660	ND<660	670	700	ND<660	ND<660	ND<660	ND<660	680	ND<660	ND<660	1,400	ND<660	ND<660	ND<5	1,400	1,100	
LBG-TB-1	20	22	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TB-2	1.5	2	7/15/02	BMF	ND<330	ND<330	500	750	1,400	390	820	550	ND<330	1,200	ND<330	ND<330	2,800	ND<330	460	ND<330	1,700	2,500	
LBG-TB-2	2	4	7/15/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TB-2	5	6	7/15/02	BMF	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<660	ND<5	ND<660	ND<660	
LBG-TB-2	11	12	7/15/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-2	15	16	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TB-3	2	4	7/15/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-3	8	10	7/15/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	

TABLE 1

TABLE 11  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Semi-Volatile Organic Compound Soil-Quality Results

Sample Location	Sample Interval (feet below grade)		Date Collected	Sample Material	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo(k)-fluoranthene (ug/kg)	Benzo[a]-anthracene (ug/kg)	Benzo[a]-pyrene (ug/kg)	Benzo[b]-fluoranthene (ug/kg)	Benzo[g,h,i]-perylene (ug/kg)	Bis(2-ethylhexyl)-Phthalate (ug/kg)	Chrysene (ug/kg)	Dibenzofuran (ug/kg)	Dibenz(a,h)anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno(1,2,3-cd)pyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)
LBG-TB-3	16	18	7/15/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-3	23	24	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-4	3	4	7/16/02	BMF	ND<660	ND<660	ND<660	1,600	1,100	770	730	ND<660	ND<660	930	ND<660	ND<660	1,700	ND<660	ND<660	ND<660	ND<660	1,400
LBG-TB-4	9	10	7/16/02	BMF & CD	ND<1700	ND<1700	3,800	4,400	7,200	2,400	2,800	ND<1700	ND<1700	6,300	2,100	ND<1700	16,000	2,700	ND<1700	7,900	14,000	13,000
LBG-TB-4	16	18	7/16/02	BMF	330	ND<330	710	640	710	360	ND<330	ND<330	ND<330	590	380	ND<330	1,800	470	ND<330	1,100	2,200	1,800
LBG-TB-4	23	24	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-5	1.6	2	7/16/02	BMF	ND<1700	ND<1700	2,700	6,100	5,800	4,300	4,000	ND<1700	ND<1700	4,900	ND<1700	ND<1700	9,500	ND<1700	ND<1700	ND<5	6,800	8,300
LBG-TB-5	2	4	7/16/02	BMF	ND<3300	ND<3300	ND<3300	ND<3300	ND<3300	ND<3300	ND<3300	ND<3300	ND<3300	6,000	ND<3300	ND<3300	ND<3300	ND<3300	ND<3300	13	9,700	ND<3300
LBG-TB-5	7	8	8/13/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-5	15	16	8/13/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-5	19	20	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-6	2	3	7/16/02	BMF & CD	ND<330	ND<330	ND<330	1,000	1,200	840	790	ND<330	ND<330	970	ND<330	ND<330	1,800	ND<330	ND<330	ND<5	1,300	1,500
LBG-TB-6	6	8	7/16/02	BMF & CD	ND<660	ND<660	ND<660	1,100	1,500	880	890	ND<660	ND<660	1,300	ND<660	ND<660	2,400	ND<660	ND<660	ND<660	2,500	1,600
LBG-TB-6	10	11	7/17/02	BMF	ND<660	ND<660	ND<660	3,100	1,600	2,600	4,200	1,100	ND<660	2,300	ND<660	ND<660	3,200	ND<660	970	ND<5	660	3,400
LBG-TB-6	13	14	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-7	1.2	2	7/17/02	BMF & MW	ND<330	ND<330	ND<330	410	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	540	ND<330	ND<330	ND<5	ND<330	540
LBG-TB-7	2	2.5	7/17/02	BMF & MW	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	420	ND<330	ND<330	ND<330	ND<330	420
LBG-TB-7	8.7	9.7	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-8	1.1	1.3	7/16/02	BMF & CD	ND<330	ND<330	ND<330	1,400	970	910	670	ND<330	ND<330	1,100	ND<330	ND<330	1,800	ND<330	400	ND<5	740	1,700
LBG-TB-8	2	2.4	7/16/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	1,000	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-8	5	6	7/16/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-8	12	13	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-9	0.9	1.5	7/16/02	BMF	ND<1700	ND<1700	1,700	6,300	4,600	3,900	3,300	ND<1700	ND<1700	4,200	ND<1700	ND<1700	7,300	ND<1700	ND<1700	ND<1700	4,800	6,800
LBG-TB-9	2	2.8	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-9	5	6	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330

TABLE 11  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Semi-Volatile Organic Compound Soil-Quality Results

Sample Location	Sample Interval (feet below grade)		Date Collected	Sample Material	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo(k)-fluoranthene (ug/kg)	Benzo[a]-anthracene (ug/kg)	Benzo[a]-pyrene (ug/kg)	Benzo[b]-fluoranthene (ug/kg)	Benzo[g,h,i]-perylene (ug/kg)	Bis(2-ethylhexyl)-Phthalate (ug/kg)	Chrysene (ug/kg)	Dibenzofuran (ug/kg)	Dibenz(a,h)anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno(1,2,3-cd)pyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)
LBG-TB-10	2	3	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-11	2	3	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-12	2.2	3.1	7/16/02	DD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-12	4.9	5.7	7/15/02	BMF & DD	ND<660	ND<660	ND<660	ND<660	<b>2,100</b>	<b>1,100</b>	720	ND<660	780	<b>2,600</b>	ND<660	ND<660	1,600	ND<660	ND<660	ND<5	1,200	1,800
LBG-TB-12	13.4	13.9	7/15/02	BMF & DD	ND<660	ND<660	ND<660	ND<660	<b>1,000</b>	ND<660	ND<660	ND<660	ND<660	880	ND<660	ND<660	1,200	ND<660	ND<660	ND<5	1,400	1,100
LBG-TB-12	23	24	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-13	2.7	3.1	7/15/02	BMF	ND<330	ND<330	ND<330	ND<330	420	ND<330	ND<330	ND<330	ND<330	350	ND<330	ND<330	590	ND<330	ND<330	ND<330	ND<330	570
LBG-TB-13	5	6	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-14	2	3	7/15/02	CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-14	4	5	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-15	2	3	7/15/02	CD	ND<330	ND<330	ND<330	700	640	ND<330	ND<330	ND<330	ND<330	530	ND<330	ND<330	1,100	ND<330	ND<330	ND<330	710	970
LBG-TB-15	7	8	7/15/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-16	1.1	1.5	7/15/02	CD	ND<1700	ND<1700	ND<1700	<b>6,000</b>	<b>3,900</b>	ND<1700	<b>3,500</b>	ND<1700	ND<1700	<b>3,800</b>	ND<1700	ND<1700	3,500	ND<1700	ND<1700	11	1,800	3,600
LBG-TB-16	3.5	4	7/15/02	BMF	ND<3300	ND<3300	ND<3300	<b>3,900</b>	<b>3,600</b>	ND<3300	ND<3300	ND<3300	ND<3300	<b>3,800</b>	ND<3300	ND<3300	4,200	ND<3300	ND<3300	13	ND<300	<b>4,600</b>
LBG-TB-16	4.5	5.2	7/16/02	BMF & CD	ND<1700	ND<1700	ND<1700	<b>2,000</b>	<b>2,100</b>	ND<1700	ND<1700	ND<1700	ND<1700	<b>2,300</b>	ND<1700	ND<1700	2,900	ND<1700	ND<1700	9	ND<700	3,100
LBG-TB-16	12	13.1	7/16/02	BMF & CD	ND<1700	ND<1700	ND<1700	<b>2,000</b>	<b>2,000</b>	ND<1700	ND<1700	ND<1700	ND<1700	<b>26,000</b>	ND<1700	ND<1700	<b>7,000</b>	2,600	ND<1700	ND<1700	1,400	<b>5,000</b>
LBG-TB-16	22	23	7/16/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-17	1.6	2	7/16/02	BMF & CD	ND<1700	ND<1700	2,600	<b>5,900</b>	<b>5,800</b>	<b>4,100</b>	<b>3,600</b>	ND<1700	ND<1700	<b>4,900</b>	ND<1700	ND<1700	<b>9,700</b>	ND<1700	ND<1700	ND<5	<b>7,300</b>	<b>8,100</b>
LBG-TB-17	2	3	7/16/02	BMF & CD	ND<1700	ND<1700	1,900	<b>6,000</b>	<b>7,100</b>	<b>4,900</b>	<b>4,500</b>	ND<1700	ND<1700	<b>6,200</b>	ND<1700	ND<1700	<b>11,000</b>	ND<1700	<b>3,000</b>	ND<5	<b>7,500</b>	<b>9,600</b>
LBG-TB-17	4	4.9	7/17/02	BMF & CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330
LBG-TB-17	16.2	17.1	7/17/02	BMF	ND<660	ND<660	ND<660	<b>1,800</b>	<b>1,400</b>	<b>1,200</b>	970	ND<660	ND<660	<b>1,500</b>	ND<660	ND<660	2,300	ND<660	790	ND<5	1,600	2,100
LBG-TB-17	20	21	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-18	2	3.5	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-18 Duplicate	2	3.5	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-19	3	4	7/17/02	CD	ND<330	ND<330	ND<330	350	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	450	ND<330	ND<330	ND<330	ND<330	420

TABLE 11  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Semi-Volatile Organic Compound Soil-Quality Results

Sample Location	Sample Interval (feet below grade)		Date Collected	Sample Material	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo(k)-fluoranthene (ug/kg)	Benzo[a]-anthracene (ug/kg)	Benzo[a]-pyrene (ug/kg)	Benzo[b]-fluoranthene (ug/kg)	Benzo[g,h,i]-perylene (ug/kg)	Bis(2-ethylhexyl)-Phthalate (ug/kg)	Chrysene (ug/kg)	Dibenzofuran (ug/kg)	Dibenz(a,h)anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno(1,2,3-cd)pyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)	
LBG-TB-19	8	10	7/17/02	BMF	ND<33000	ND<33000	62,000	150,000	160,000	98,000	86,000	ND<33000	ND<33000	140,000	ND<33000	ND<33000	260,000	33,000	ND<33000	2,100	210,000	210,000	
LBG-TB-19	14	16	7/17/02	BMF	ND<1700	ND<1700	3,700	5,700	9,700	5,200	4,800	ND<1700	ND<1700	7,500	ND<1700	ND<1700	13,000	2,300	ND<1700	83	15,000	9,900	
LBG-TB-19	27	28	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	410	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TB-20	3.5	4	7/17/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-20	4.7	4.11	7/17/02	CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-20	16	16.5	7/18/02	BMF	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	290	ND<330	ND<330
LBG-TB-20	29	29.5	7/18/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-21	3	4	7/18/02	CD	ND<330	ND<330	430	820	1,000	670	610	ND<330	ND<330	790	ND<330	ND<330	1,800	ND<330	ND<330	ND<330	1,600	1,500	
LBG-TB-21	7	8	7/18/02	CD	ND<330	ND<660	760	2,000	2,100	1,500	1,200	ND<330	ND<330	1,800	ND<330	ND<330	4,000	ND<660	ND<330	ND<660	2,600	3,800	
LBG-TB-21	15	16	7/18/02	BMF & CD	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	ND<1700	11	6,000	ND<1700
LBG-TB-21	24	26	7/18/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330
LBG-TB-22	3.5	4	7/18/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TB-22	5.5	6	7/18/02	BMF	750	ND<660	990	2,100	2,100	1,000	1,100	ND<660	ND<660	2,100	900	ND<660	4,500	1,400	ND<660	720	5,200	3,500	
LBG-TB-22	15.5	16	7/18/02	BMF	ND<1700	ND<1700	ND<1700	3,500	3,900	2,000	2,400	ND<1700	ND<1700	3,200	ND<1700	ND<1700	4,800	ND<1700	ND<1700	ND<5	6,300	4,300	
LBG-TB-22	22	22.5	7/18/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-23	3	4	7/18/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-23	7	8	7/18/02	BMF & CD	ND<1700	ND<1700	ND<1700	2,100	2,700	ND<1700	ND<1700	ND<1700	ND<1700	2,500	ND<1700	ND<1700	3,000	ND<1700	ND<1700	ND<1700	4,600	2,500	
LBG-TB-23	18	20	7/18/02	BMF & CD	ND<660	ND<660	ND<660	1,200	1,100	730	730	ND<660	ND<660	1,000	ND<660	ND<660	1,500	ND<660	ND<660	250	1,400	1,300	
LBG-TB-23	27	29	7/18/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	93	ND<330	ND<330	
LBG-TB-24	3.5	4	7/18/02	CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
LBG-TB-24	7.8	8	7/18/02	GC	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TB-24	13.5	14	7/19/02	CD	ND<330	ND<330	370	410	440	330	ND<330	ND<330	ND<330	390	ND<330	ND<330	1,100	690	ND<330	560	1,900	990	
LBG-TB-24	23.5	24	7/19/02	Non Fill	ND<1700	ND<1700	ND<1700	3,600	4,800	3,200	2,100	ND<1700	ND<1700	4,100	ND<1700	ND<1700	7,600	ND<1700	ND<1700	ND<1700	6,700	8,300	
LBG-TB-25	3.5	4	7/19/02	CD	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	750	ND<330	ND<330	ND<5	420	850	
LBG-TB-25	9.5	10	7/19/02	BMF	ND<1700	ND<1700	ND<1700	8,000	6,900	5,800	5,700	ND<1700	11,000	6,000	ND<1700	ND<1700	8,200	ND<1700	ND<1700	ND<1700	9,600	7,200	

TABLE 11  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Semi-Volatile Organic Compound Soil-Quality Results

Sample Location	Sample Interval (feet below grade)		Date Collected	Sample Material	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo(k)-fluoranthene (ug/kg)	Benzo[a]-anthracene (ug/kg)	Benzo[a]-pyrene (ug/kg)	Benzo[b]-fluoranthene (ug/kg)	Benzo[g,h,i]-perylene (ug/kg)	Bis(2-ethylhexyl)-Phthalate (ug/kg)	Chrysene (ug/kg)	Dibenzofuran (ug/kg)	Dibenz(a,h)anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno(1,2,3-cd)pyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)	
LBG-TB-25	13.5	14	7/19/02	BMF	ND<17000	ND<17000	ND<17000	110,000	150,000	95,000	95,000	ND<17000	1,100,000	160,000	ND<17000	17,000	160,000	ND<17000	ND<17000	ND<17000	71,000	140,000	
LBG-TB-25	17.5	18	7/19/02	Non Fill	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TP-5	2.3	3.4	7/19/02	GNS	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<5	ND<330	ND<330	
LBG-TP-5	3.4	3.7	7/19/02	GRS	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	
CTDEP GA/GAA Pollutant Mobility Criteria					8,400	8,400	40,000	1,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	1,000	1,000	5,600	5,600	1,000	5,600	4,000	4,000
CTDEP Residential Direct Exposure Criteria					1,000,000	1,000,000	1,000,000	8,400	1,000	1,000	1,000	1,000,000	44,000	84,000	270,000	1,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000,000	1,000,000
CTDEP GB Pollutant Mobility Criteria					84,000	84,000	400,000	1,000	1,000	1,000	1,000	42,000	11,000	1,000	5,600	1,000	56,000	56,000	1,000	56,000	56,000	40,000	40,000
10 Times CTDEP Remediation Standard Regulations GA PMC					84,000	84,000	400,000	10,000	10,000	10,000	10,000	42,000	10,000	10,000	10,000	10,000	56,000	56,000	10,000	56,000	40,000	40,000	
CTDEP Industrial / Commercial Direct Exposure Criteria					2,500,000	2,500,000	2,500,000	78,000	7,800	7,800	7,800	2,500,000	410,000	780,000	2,500,000	1,000	2,500,000	2,500,000	78,000	2,500,000	2,500,000	2,500,000	2,500,000

Note: CTDEP GA/GAA Pollutant Mobility Criteria does not apply for soil sample LBG-TB-24 (23.5 to 24 ft bg) since it was collected below the seasonal water table.  
 ND<330 Not detected above identified detection limit.  
 CTDEP Connecticut Department of Environmental Protection  
 BMF Black Matrix Fill, typical of Winchester Repeating Arm Fill.  
 GRC Grey sand  
 GNS Green sand  
 GC Gray Clay  
 CD Construction debris  
 DD Domestic debris

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**TABLE 12**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Volatile Organic Compound Soil-Quality Results

	Sample Interval		Date Collected	Sample Matrix	cis-1,2-Dichloroethylene (ug/kg)	Trichloroethylene (ug/kg)	Vinyl chloride (ug/kg)	1,2,4-Trimethylbenzene (ug/kg)	1,3,5-Trimethylbenzene (ug/kg)	1,4-Dichlorobenzene (ug/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	n-Propylbenzene (ug/kg)	Total Xylenes (ug/kg)	p-Isopropyltoluene (ug/kg)	sec-Butylbenzene (ug/kg)	tert-Butylbenzene (ug/kg)	Toluene (ug/kg)
	(ft)	(bg)																		
LBG-MW-1	3.5	4	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-1	13.5	14	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-2	3.5	4	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-3	3.5	4	7/19/02	Non Fill	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND	ND<10	ND<10	ND<10	ND<10
LBG-MW-3	5	5.5	7/19/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-3	9	9.5	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-4	2.5	3	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-5	3.5	4	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-6	3.5	4	7/17/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-6	5.5	6	7/17/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-6	11	11.5	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-6	13.5	14	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-16	2.5	3	8/7/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-16	4	6	8/7/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-MW-16	21.3	22	8/7/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-1	2	4	7/15/02	BMF	ND<5	ND<5	ND<5	6	20	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-1	8	10	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-1	16	18	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-1	20	22	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-2	1.5	2	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-2	2	4	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-2	5	6	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	6	ND<5	5	ND<5	ND<5	ND<5	ND<5	ND	87	12	ND<5	78
LBG-TB-2	11	12	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-2	15	16	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-3	2	4	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-3	8	10	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-3	16	18	7/15/02	BMF	ND<5	ND<5	ND<5	14	11	ND<5	ND<5	ND<5	ND<5	13	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-3	23	24	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-4	3	4	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5

TABLE 12

TABLE 12  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Volatile Organic Compound Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Matrix	cis-1,2- Dichloroethylene (ug/kg)	Trichloro- ethylene (ug/kg)	Vinyl chloride (ug/kg)	1,2,4-Trimethyl- benzene (ug/kg)	1,3,5-Trimethyl- benzene (ug/kg)	1,4-Dichloro- benzene (ug/kg)	Benzene (ug/kg)	Ethyl- benzene (ug/kg)	Isopropyl benzene (ug/kg)	n- Butylbenzene (ug/kg)	n- Propylbenzene (ug/kg)	Total Xylenes (ug/kg)	p-Isopropyl- toluene (ug/kg)	sec-Butyl- benzene (ug/kg)	tert- Butylbenzene (ug/kg)	Toluene (ug/kg)
LBG-TB-4	9	10	7/16/02	BMF & CD	40	38	24	18	10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	11	ND<5	14	ND<5	ND<5
LBG-TB-4	16	18	7/16/02	BMF	5,200	3,100	620	ND<5	ND<5	ND<5	8	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-4	23	24	7/16/02	Non Fill	7	6	13	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-5	1.6	2	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-5	2	4	7/16/02	BMF	ND<5	ND<5	ND<5	22	28	50	ND<5	ND<5	ND<5	10	7	ND	ND<5	7	ND<5	ND<5
LBG-TB-5	7	8	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	8	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-5	15	16	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-5	19	20	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-6	2	3	7/17/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-6	6	8	7/17/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-6	10	11	7/17/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-6	13	14	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-7	1.2	2	7/16/02	BMF & MW	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-7	2	2.5	7/16/02	BMF & MW	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-7	8.7	9.7	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-8	1.1	1.3	7/16/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-8	2	2.4	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-8	5	6	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-8	12	13	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-9	0.9	1.5	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-9	2	2.8	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-9	5	6	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-10	2	3	7/16/02	Non Fill	ND<5	ND<5	ND<5	6	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-11	2	3	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	9	ND<5	ND	ND<5	ND<5	ND<5	5
LBG-TB-12	2.2	3.1	7/15/02	DD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-12	4.9	5.7	7/15/02	BMF & DD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-12	13.4	13.9	7/15/02	BMF & DD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-12	23	24	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5
LBG-TB-13	2.7	3.1	7/15/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5

TABLE 12

TABLE 12  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Volatile Organic Compound Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Matrix	cis-1,2- Dichloroethylene (ug/kg)	Trichloro- ethylene (ug/kg)	Vinyl chloride (ug/kg)	1,2,4-Trimethyl- benzene (ug/kg)	1,3,5-Trimethyl- benzene (ug/kg)	1,4-Dichloro- benzene (ug/kg)	Benzene (ug/kg)	Ethyl- benzene (ug/kg)	Isopropyl benzene (ug/kg)	n- Butylbenzene (ug/kg)	n- Propylbenzene (ug/kg)	Total Xylenes (ug/kg)	p-Isopropyl- toluene (ug/kg)	sec-Butyl- benzene (ug/kg)	tert- Butylbenzene (ug/kg)	Toluene (ug/kg)
LBG-TB-13	5	6	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-14	2	3	7/15/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-14	4	5	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-15	2	3	7/15/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-15	7	8	7/15/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-16	1.1	1.5	7/16/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-16	3.5	4	7/16/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-16	4.5	5.2	7/16/02	BMF & CD	ND<5	ND<5	ND<5	5	ND<5	ND<5	ND<5	ND<5	ND<5	16	ND	5	ND<5	ND<5	ND<5	ND<5
LBG-TB-16	12	13.1	7/16/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-16	22	23	7/16/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-17	1.6	2	7/17/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-17	2	3	7/17/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-17	4	4.9	7/17/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-17	16.2	17.1	7/17/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-17	20	21	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-18	2	3.5	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-18 Duplicate	2	3.5	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-19	3	4	7/17/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-19	8	10	7/17/02	BMF	ND<25	ND<25	ND<25	150	66	ND<25	ND<25	ND<25	ND<25	ND<25	78	46	ND<25	ND<25	ND<25	ND<25
LBG-TB-19	14	16	7/17/02	BMF	ND<5	ND<5	ND<5	17	11	ND<5	ND<5	ND<5	ND<5	ND<5	11	5	ND<5	ND<5	ND<5	ND<5
LBG-TB-19	27	28	7/17/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-20	3.5	4	7/18/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-20	4.7	4.11	7/18/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-20	16	16.5	7/18/02	BMF	ND<5	ND<5	ND<5	43	28	ND<5	ND<5	5	5	14	ND	16	6	ND<5	ND<5	ND<5
LBG-TB-20	29	29.5	7/18/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-21	3	4	7/18/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-21	7	8	7/18/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	ND<5
LBG-TB-21	15	16	7/18/02	BMF & CD	ND<5	ND<5	ND<5	68	50	ND<5	ND<5	ND<5	ND<5	28	15	65	6	ND<5	ND<5	8
LBG-TB-21	24	26	7/18/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	170

TABLE 12

TABLE 12  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Volatile Organic Compound Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Matrix	cis-1,2- Dichloroethylene (ug/kg)	Trichloro- ethylene (ug/kg)	Vinyl chloride (ug/kg)	1,2,4-Trimethyl- benzene (ug/kg)	1,3,5-Trimethyl- benzene (ug/kg)	1,4-Dichloro- benzene (ug/kg)	Benzene (ug/kg)	Ethyl- benzene (ug/kg)	Isopropyl benzene (ug/kg)	n- Butylbenzene (ug/kg)	n- Propylbenzene (ug/kg)	Total Xylenes (ug/kg)	p-Isopropyl- toluene (ug/kg)	sec-Butyl- benzene (ug/kg)	tert- Butylbenzene (ug/kg)	Toluene (ug/kg)	
LBG-TB-22	3.5	4	7/18/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	40	ND<5	ND<5	ND	73	ND<5	ND<5	ND<5	
LBG-TB-22	5.5	6	7/18/02	BMF	ND<5	ND<5	ND<5	130	29	ND<5	ND<5	ND<5	7	41	13	14	31	17	16	ND<5	
LBG-TB-22	15.5	16	7/18/02	BMF	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-22	22	22.5	7/18/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	14	ND<5	ND<5	ND	60	ND<5	ND<5	ND<5	
LBG-TB-23	3	4	7/18/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-23	7	8	7/18/02	BMF & CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-23	18	20	7/18/02	BMF & CD	ND<5	ND<5	ND<5	61	36	ND<5	ND<5	5	ND<5	13	5	24	ND<5	ND<5	7	8	
LBG-TB-23	27	29	7/18/02	Non Fill	ND<5	ND<5	ND<5	150	36	ND<5	5	33	12	22	18	51	18	15	17	28	
LBG-TB-24	3.5	4	7/19/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-24	7.8	8	7/19/02	GC	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-24	13.5	14	7/19/02	CD	ND<5	ND<5	ND<5	5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-24	23.5	24	7/19/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-25	3.5	4	7/19/02	CD	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TB-25	9.5	10	7/19/02	BMF	ND<5	ND<5	ND<5	ND<5	10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	5	
LBG-TB-25	13.5	14	7/19/02	BMF	ND<5	ND<5	ND<5	49	16	ND<5	ND<5	ND<5	7	10	5	35	ND<5	ND<5	5	ND<5	
LBG-TB-25	17.5	18	7/19/02	Non Fill	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TP-5	2.3	3.4	8/13/02	GNS	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
LBG-TP-5	3.4	3.7	8/13/02	GRS	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND	ND<5	ND<5	ND<5	ND<5	
CTDEP GA Pollutant Mobility Criteria					1,400	100	40	7,000	7,000	1,500	20	10,100	600	1,400	1,400	19,500	1,400	1,400	1,400	20,000	
CTDEP Residential Direct Exposure Criteria					500,000	56,000	320	500,000	500,000	26,000	21,000	500,000	500,000	500,000	500,000	500,000	500,000	NE	500,000	500,000	500,000

Note: The Connecticut Department of Environmental Protection Remediation Standard Regulations Residential Direct Exposure Criteria does not apply to soils below 15 feet below grade.

The Connecticut Department of Environmental Protection Remediation Standard Regulations GA Pollutant Mobility Criteria does not apply to soils below the seasonal low water table.

ND<10 Not detected above noted laboratory limit.

NE Criteria not established.

BMF Black matrix fill, typical Winchester Repeating Arms fill.

GRS Gray Sand

GNS Green Sand

GC Gray Clay

CD Construction Debris

DD Domestic debris/municipal waste

ft bg feet below grade

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**TABLE 8**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Total Metal and Cyanide Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Material	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Cyanide (mg/kg)	Hexavalent Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
LBG-MW-1	3.5	4	7/16/02	Non Fill	10.9	4.46	82.1	ND<0.05	ND<0.5	212	ND<1	ND<0.5	<b>3,190</b>	0.33	14.6	1.09	ND<0.2	224
LBG-MW-1	13.5	14	7/16/02	Non Fill	ND<0.3	1.36	20.7	ND<0.05	ND<0.5	6.65	ND<1	ND<0.5	8.02	ND<0.1	5.63	ND<1	ND<0.2	16.8
LBG-MW-2	3.5	4	7/16/02	Non Fill	ND<0.3	1.8	28.2	ND<0.05	ND<0.5	13.3	ND<1	ND<0.5	5.12	ND<0.1	5.61	ND<1	ND<0.2	14.6
LBG-MW-3	3.5	4	7/19/02	Non Fill	ND<0.3	ND<1	21	ND<0.05	ND<0.5	30.1	ND<1	ND<0.5	9.89	0.26	6.88	ND<1	ND<0.2	27.2
LBG-MW-3	5	5.5	7/19/02	BMF & CD	ND<0.3	ND<1	13.2	ND<0.05	ND<0.5	21.8	ND<1	ND<0.5	14.2	ND<0.1	5.44	ND<1	ND<0.2	14.6
LBG-MW-3	9	9.5	7/17/02	Non Fill	ND<0.3	ND<1	30.8	ND<0.05	ND<0.5	6.7	ND<1	ND<0.5	5.8	0.37	4.2	ND<1	ND<0.2	16.8
LBG-MW-4	2.5	3	7/15/02	Non Fill	ND<0.3	1.7	27.3	ND<0.05	ND<0.5	11.3	ND<1	ND<0.5	6.36	ND<0.1	5.56	ND<1	ND<0.2	19.7
LBG-MW-5	3.5	4	7/15/02	Non Fill	ND<0.3	1.85	44.6	ND<0.05	ND<0.5	14.2	ND<1	ND<0.5	6.46	ND<0.1	7.09	ND<1	ND<0.2	18.2
LBG-MW-6	3.5	4	7/17/02	CD	22.8	<b>152</b>	253	0.603	1.78	1,020	132	ND<0.5	<b>1,000</b>	2.48	53.3	4.53	ND<0.2	1,160
LBG-MW-6	5.5	6	7/17/02	CD	3	<b>15.7</b>	1,060	ND<0.05	2.39	<b>6,801</b>	ND<1	28.3	<b>479</b>	0.9	23.4	ND<1	ND<0.2	5,020
LBG-MW-6	11	11.5	7/17/02	Non Fill	1.98	<b>336</b>	235	ND<0.05	0.706	849	ND<1	0.59	315	3.55	64.1	ND<1	0.824	331
LBG-MW-6	13.5	14	7/17/02	Non Fill	ND<0.3	ND<1	22.9	ND<0.05	ND<0.5	11.7	ND<1	ND<0.5	11.4	ND<0.1	4.1	ND<1	ND<0.2	13.4
LBG-MW-16	2.5	3	8/7/02	CD	ND<0.3	2.54	51.2	ND<0.05	ND<0.5	8.75	Not Tested	ND<0.5	11.6	ND<0.1	8.84	1.41	ND<0.2	78.6
LBG-MW-16	4	6	8/7/02	CD	1.46	2.78	89.3	ND<0.05	0.57	144	Not Tested	ND<0.5	<b>401</b>	ND<0.1	10.2	ND<1	ND<0.2	435
LBG-MW-16	21.3	22	8/7/02	Non Fill	ND<0.3	1.37	36.5	ND<0.05	ND<0.5	11.9	ND<1	ND<0.5	4.04	ND<0.1	6.34	ND<1	ND<0.2	19
LBG-TB-1	2	4	7/15/02	BMF	ND<0.3	<b>16.7</b>	412	0.6	ND<0.5	102	ND<1	ND<0.5	30.2	0.47	180	2.64	2.03	104
LBG-TB-1	8	10	7/15/02	BMF	ND<0.3	<b>36.6</b>	350	0.18	11.1	<b>9,330</b>	4.54	ND<0.5	<b>1,490</b>	<b>22.2</b>	34.4	30.1	0.75	15,100
LBG-TB-1	16	18	7/15/02	BMF	3.63	14.5	117	ND<0.05	ND<0.5	466	ND<1	ND<0.5	179	1.02	22.6	2.15	2.07	690
LBG-TB-1	20	22	7/15/02	Non Fill	ND<0.3	1.6	20.3	ND<0.05	ND<0.5	12.3	ND<1	ND<0.5	7.48	0.26	5.56	ND<1	ND<0.2	21.5
LBG-TB-2	1.5	2	7/15/02	BMF	16.7	7.82	120	ND<0.05	ND<0.5	681	ND<1	ND<0.5	<b>4,550</b>	3.52	42.7	1.64	ND<0.2	537
LBG-TB-2	2	4	7/15/02	BMF	3.43	3.09	59.5	ND<0.05	ND<0.5	590	ND<1	ND<0.5	361	<b>27</b>	24	ND<1	ND<0.2	306
LBG-TB-2	5	6	7/15/02	BMF	13.4	7.81	250	ND<0.05	2.52	437	3.03	ND<0.5	237	0.58	263	ND<1	10.7	214
LBG-TB-2	11	12	7/15/02	BMF	2.67	<b>16.6</b>	208	0.29	0.87	486	ND<1	ND<0.5	177	0.84	20.8	3.68	ND<0.2	3,270
LBG-TB-2	15	16	7/15/02	Non Fill	ND<0.3	1.89	12.3	ND<0.05	ND<0.5	7.6	ND<1	ND<0.5	6.87	ND<0.1	5.8	ND<1	ND<0.2	38.1
LBG-TB-3	2	4	7/15/02	BMF	<b>28.7</b>	<b>13.1</b>	294	0.27	ND<0.5	<b>18,200</b>	ND<1	ND<0.5	<b>4,530</b>	<b>44.2</b>	186	3.13	6.61	2,230
LBG-TB-3	8	10	7/15/02	BMF	0.97	<b>16.7</b>	214	0.14	ND<0.5	36.5	ND<1	ND<0.5	67.7	0.33	12.2	4.03	ND<0.2	1,050
LBG-TB-3	16	18	7/15/02	BMF	ND<0.3	5.35	463	ND<0.05	ND<0.5	319	ND<1	ND<0.5	<b>737</b>	0.4	16.2	ND<1	ND<0.2	254
LBG-TB-3	23	24	7/15/02	Non Fill	ND<0.3	1.32	17.1	ND<0.05	ND<0.5	15.8	ND<1	ND<0.5	367	ND<0.1	5.8	ND<1	ND<0.2	16.3
LBG-TB-4	3	4	7/16/02	BMF	17.3	6.76	104	ND<0.05	ND<0.5	320	ND<1	0.53	<b>1,040</b>	0.55	14.7	1.76	ND<0.2	398
LBG-TB-4	9	10	7/16/02	BMF & CD	ND<0.3	<b>30.6</b>	383	0.6	ND<0.5	100	4.08	0.57	<b>3,570</b>	1.25	25.2	5.78	ND<0.2	195
LBG-TB-4	16	18	7/16/02	BMF	ND<0.3	9.79	199	0.12	ND<0.5	32.4	ND<1	ND<0.5	9.83	0.84	14.9	2.37	ND<0.2	31.2
LBG-TB-4	23	24	7/16/02	Non Fill	ND<0.3	2.76	48.7	ND<0.05	ND<0.5	11.9	ND<1	ND<0.5	8.52	ND<0.1	13.5	ND<1	ND<0.2	47.3
LBG-TB-5	1.6	2	7/16/02	BMF	<b>98.3</b>	<b>11</b>	171	ND<0.05	2.76	<b>5,220</b>	nd]	0.7	<b>1,150</b>	1.45	151	ND<1	6.48	1,440
LBG-TB-5	2	4	7/16/02	BMF	14.3	3.27	75.5	ND<0.05	1.74	632	ND<1	1.1	380	0.26	402	ND<1	14.1	161
LBG-TB-5	7	8	7/16/02	BMF	<b>80.5</b>	<b>94.7</b>	156	ND<0.05	ND<0.5	911	ND<1	ND<0.5	<b>3,960</b>	1.88	27.8	3.55	ND<0.2	1,000

TABLE 8  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Total Metal and Cyanide Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Material	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Cyanide (mg/kg)	Hexavalent Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
LBG-TB-5	15	16	7/16/02	BMF	ND<0.3	23.8	165	0.21	ND<0.5	117	ND<1	ND<0.5	70	0.37	121	ND<1	ND<0.2	566
LBG-TB-5	19	20	7/16/02	Non Fill	ND<0.3	1.47	21.4	ND<0.05	ND<0.5	14	ND<1	ND<0.5	6.85	ND<0.1	6.98	ND<1	ND<0.2	17.6
LBG-TB-6	2	3	7/17/02	BMF & CD	1.33	<b>17</b>	260	ND<0.05	1.5	202	ND<1	ND<0.5	96.3	1.16	30.2	ND<1	ND<0.2	1,690
LBG-TB-6	6	8	7/17/02	BMF & CD	16.6	<b>15.6</b>	249	ND<0.05	9.59	1,430	ND<1	ND<0.5	<b>916</b>	4.44	201	2.47	ND<0.2	7,950
LBG-TB-6	10	11	7/17/02	BMF	ND<0.3	<b>40</b>	160	ND<0.05	2.33	17.4	ND<1	ND<0.5	7.44	1.1	6.18	ND<1	ND<0.2	2,140
LBG-TB-6	13	14	7/17/02	Non Fill	ND<0.3	1.05	12.3	ND<0.05	ND<0.5	13.4	ND<1	ND<0.5	5.68	ND<0.1	4.74	ND<1	ND<0.2	16.4
LBG-TB-7	1.2	2	7/16/02	BMF & MW	ND<0.3	<b>85.2</b>	335	1.34	2.53	179	ND<1	ND<0.5	<b>505</b>	0.37	34.3	3.75	ND<0.2	507
LBG-TB-7	2	2.5	7/16/02	BMF & MW	1.02	<b>59.8</b>	351	1.11	3.87	168	ND<1	ND<0.5	<b>470</b>	0.29	31.1	2.93	ND<0.2	433
LBG-TB-7	8.7	9.7	7/16/02	Non Fill	ND<0.3	ND<1	41.3	ND<0.05	ND<0.5	7.31	ND<1	ND<0.5	7.38	ND<0.1	3.32	ND<1	ND<0.2	9.38
LBG-TB-8	1.1	1.3	7/16/02	BMF & CD	2.86	<b>117</b>	903	1.35	2.95	290	ND<1	ND<0.5	<b>1,680</b>	1.12	35.2	2.23	ND<0.2	466
LBG-TB-8	2	2.4	7/16/02	BMF	2.51	7.64	48.9	0.061	0.99	586	7.02	ND<0.5	32.9	0.28	20.2	ND<1	ND<0.2	500
LBG-TB-8	5	6	7/16/02	BMF	ND<0.3	<b>37.9</b>	269	0.15	2.31	188	ND<1	ND<0.5	255	0.31	30.7	3.64	1.69	510
LBG-TB-8	12	13	7/16/02	Non Fill	ND<0.3	4.82	130	1.45	ND<0.5	28.8	ND<1	ND<0.5	16.2	ND<0.1	6.77	5.32	ND<0.2	18.3
LBG-TB-9	0.9	1.5	7/16/02	BMF	ND<0.3	5.05	71.1	ND<0.05	ND<0.5	95.9	ND<1	ND<0.5	214	0.38	10.5	ND<1	ND<0.2	169
LBG-TB-9	2	2.8	7/16/02	Non Fill	ND<0.3	2.84	41.6	ND<0.05	ND<0.5	7.94	ND<1	ND<0.5	9.74	ND<0.1	9.32	ND<1	ND<0.2	29.3
LBG-TB-9	5	6	7/16/02	Non Fill	ND<0.3	1.78	29.9	ND<0.05	ND<0.5	9.74	ND<1	ND<0.5	5.54	ND<0.1	5.64	ND<1	ND<0.2	15.1
LBG-TB-10	2	3	7/16/02	Non Fill	ND<0.3	1.25	17.6	ND<0.05	ND<0.5	9.65	ND<1	ND<0.5	10.2	ND<0.1	7.05	ND<1	ND<0.2	15.5
LBG-TB-11	2	3	7/15/02	Non Fill	ND<0.3	4.31	74.2	ND<0.05	ND<0.5	26.2	ND<1	ND<0.5	<b>408</b>	0.45	8.36	1.37	ND<0.2	76.9
LBG-TB-12	2.2	3.1	7/15/02	DD	<b>165</b>	<b>131</b>	59.1	ND<0.05	0.87	366	ND<1	ND<0.5	<b>18,200</b>	0.41	12.1	2.49	ND<0.2	434
LBG-TB-12	4.9	5.7	7/15/02	BMF & DD	<b>668</b>	<b>531</b>	314	ND<0.05	1.18	2,120	ND<1	ND<0.5	<b>16,800</b>	0.82	41.8	3.36	1.55	1,960
LBG-TB-12	13.4	13.9	7/15/02	BMF & DD	<b>906</b>	<b>305</b>	273	ND<0.05	1.25	1,080	ND<1	ND<0.5	<b>58,200</b>	0.52	38.1	1.66	2.82	768
LBG-TB-12	23	24	7/15/02	Non Fill	ND<0.3	1.16	14.6	ND<0.05	ND<0.5	9.5	ND<1	ND<0.5	7.01	ND<0.1	5.08	ND<1	ND<0.2	16.3
LBG-TB-13	2.7	3.1	7/15/02	BMF	ND<0.3	3.92	34.1	ND<0.05	ND<0.5	154	ND<1	ND<0.5	139	0.49	9.07	ND<1	ND<0.2	166
LBG-TB-13	5	6	7/15/02	Non Fill	ND<0.3	2.43	44.8	ND<0.05	ND<0.5	14.3	ND<1	ND<0.5	7.1	ND<0.1	6.59	ND<1	ND<0.2	18.6
LBG-TB-14	2	3	7/15/02	CD	ND<0.3	2.97	34.8	ND<0.05	ND<0.5	21.2	ND<1	ND<0.5	31.5	0.98	8.04	1.56	ND<0.2	980
LBG-TB-14	4	5	7/15/02	Non Fill	ND<0.3	ND<1	23.6	ND<0.05	ND<0.5	9.25	ND<1	ND<0.5	15.2	ND<0.1	4.17	ND<1	ND<0.2	23.8
LBG-TB-15	2	3	7/15/02	CD	15	<b>10.5</b>	86.3	ND<0.05	ND<0.5	223	ND<1	ND<0.5	<b>2,500</b>	0.61	15	ND<1	ND<0.2	267
LBG-TB-15	7	8	7/15/02	Non Fill	ND<0.3	1.39	79.4	ND<0.05	ND<0.5	21.2	ND<1	ND<0.5	14.4	ND<0.1	11.2	ND<1	ND<0.2	30.1
LBG-TB-16	1.1	1.5	7/16/02	CD	20.7	<b>14.6</b>	840	ND<0.05	2.89	<b>2,840</b>	ND<1	ND<0.5	<b>1,450</b>	3.55	67.6	4.6	4.33	3,810
LBG-TB-16	3.5	4	7/16/02	BMF	13.8	<b>48.1</b>	202	ND<0.05	11.4	<b>27,200</b>	ND<1	ND<0.5	<b>1,580</b>	6.53	183	11.5	4.66	7,770
LBG-TB-16	4.5	5.2	7/16/02	BMF & CD	5.92	<b>49.7</b>	276	ND<0.05	7.42	2,300	ND<1	ND<0.5	<b>2,010</b>	5.95	111	11.6	ND<0.2	11,100
LBG-TB-16	12	13.1	7/16/02	BMF & CD	<b>70.2</b>	<b>57.6</b>	152	ND<0.05	2.01	1,590	ND<1	ND<0.5	<b>31,200</b>	3.58	342	ND<1	1.75	1,350
LBG-TB-16	22	23	7/16/02	Non Fill	ND<0.3	1.83	16.5	ND<0.05	ND<0.5	7.13	ND<1	ND<0.5	9.19	ND<0.1	4.22	ND<1	ND<0.2	16.6
LBG-TB-17	1.6	2	7/17/02	BMF & CD	<b>97.9</b>	<b>49.6</b>	219	ND<0.05	2.8	<b>3,510</b>	ND<1	ND<0.5	<b>7,130</b>	5.53	208	3.1	14.4	3,200

TABLE 8

TABLE 8  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Total Metal and Cyanide Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Material	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Cyanide (mg/kg)	Hexavalent Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
LBG-TB-17	2	3	7/17/02	BMF & CD	30.7	21.4	131	ND<0.05	1.4	2,230	ND<1	ND<0.5	2,370	2.1	103	ND<1	ND<0.2	1,060
LBG-TB-17	4	4.9	7/17/02	BMF & CD	5.8	61.6	165	ND<0.05	ND<0.5	1,590	ND<1	ND<0.5	525	0.64	37.8	ND<1	ND<0.2	437
LBG-TB-17	16.2	17.1	7/17/02	BMF	4.4	27.6	92.2	ND<0.05	0.95	1,170	ND<1	ND<0.5	325	22	117	1.6	ND<0.2	1,980
LBG-TB-17	20	21	7/17/02	Non Fill	ND<0.3	ND<1	41.4	ND<0.05	ND<0.5	12.7	ND<1	ND<0.5	6.2	ND<0.1	4.8	ND<1	ND<0.2	25
LBG-TB-18	2	3.5	7/17/02	Non Fill	ND<0.3	2.2	53.1	ND<0.05	ND<0.5	15.3	ND<1	ND<0.5	27.8	ND<0.1	7	ND<1	ND<0.2	34.7
LGBG-TB-18 Duplicate	2	3.5	7/17/02	Non Fill	ND<0.3	2.4	65	ND<0.05	ND<0.5	12.7	ND<1	ND<0.5	24.4	ND<0.1	7	ND<1	ND<0.2	38.1
LBG-TB-19	3	4	7/17/02	CD	11.3	2.6	85	ND<0.05	ND<0.5	299	ND<1	ND<0.5	11	0.65	12.6	ND<1	ND<0.2	469
LBG-TB-19	8	10	7/17/02	BMF	7.67	10.2	242	ND<0.05	10.7	1,450	ND<1	ND<0.5	1,120	4.12	66.7	4.8	1.33	6,550
LBG-TB-19	14	16	7/17/02	BMF	4.76	28.8	1740	ND<0.05	2.74	267	ND<1	ND<0.5	814	0.67	35.6	3.79	ND<0.2	3,300
LBG-TB-19	27	28	7/17/02	Non Fill	ND<0.3	ND<1	58.3	ND<0.05	ND<0.5	14.3	ND<1	ND<0.5	9.24	ND<0.1	8.6	ND<1	ND<0.2	50
LBG-TB-20	3.5	4	7/18/02	Non Fill	ND<0.3	1.39	37.1	ND<0.05	ND<0.5	8.44	ND<1	ND<0.5	10.6	ND<0.1	5.99	ND<1	ND<0.2	19.6
LBG-TB-20	4.7	4.11	7/18/02	CD	2.65	3.48	264	ND<0.05	ND<0.5	74.8	ND<1	ND<0.5	2,450	5.49	11.2	ND<1	ND<0.2	447
LBG-TB-20	16	16.5	7/18/02	BMF	1.45	3.07	102	ND<0.05	ND<0.5	50.3	1.76	ND<0.5	436	2.07	8.62	ND<1	ND<0.2	195
LBG-TB-20	29	29.5	7/18/02	Non Fill	ND<0.3	1.53	46.8	ND<0.05	ND<0.5	14.1	ND<1	ND<0.5	9.71	ND<0.1	8.77	ND<1	ND<0.2	31
LBG-TB-21	3	4	7/18/02	CD	1.24	2.59	55.9	ND<0.05	ND<0.5	29.3	ND<1	ND<0.5	65.4	ND<0.1	6.75	ND<1	ND<0.2	67.8
LBG-TB-21	7	8	7/18/02	CD	ND<0.3	1.66	49.1	ND<0.05	ND<0.5	15.2	ND<1	ND<0.5	65.1	0.47	7.87	ND<1	ND<0.2	48
LBG-TB-21	15	16	7/18/02	BMF & CD	1.61	8.38	136	ND<0.05	ND<0.5	117	ND<1	ND<0.5	8.34	0.32	26.8	1.61	1.09	1,614
LBG-TB-21	24	26	7/18/02	Non Fill	ND<0.3	ND<1	51	ND<0.05	ND<0.5	18.4	ND<1	ND<0.5	30.4	ND<0.1	5	ND<1	ND<0.2	92
LBG-TB-22	3.5	4	7/18/02	Non Fill	2	6.24	41.7	ND<0.05	ND<0.5	999	ND<1	ND<0.5	186	ND<0.1	39.2	ND<1	194	57.4
LBG-TB-22	5.5	6	7/18/02	BMF	57.1	6.06	830	ND<0.05	1.77	2,150	3.6	ND<0.5	65,000	3.51	158	ND<1	3.03	2,240
LBG-TB-22	15.5	16	7/18/02	BMF	46.8	5.75	332	ND<0.05	2.34	1,330	ND<1	ND<0.5	599	3.03	27.9	1.37	ND<0.2	3,330
LBG-TB-22	22	22.5	7/18/02	Non Fill	ND<0.3	1.47	53.6	ND<0.05	0.649	25.7	ND<1	ND<0.5	13.1	0.34	9.05	ND<1	ND<0.2	180
LBG-TB-23	3	4	7/18/02	Non Fill	ND<0.3	1.11	54.3	ND<0.05	ND<0.5	6.08	ND<1	ND<0.5	10.3	ND<0.1	5.63	ND<1	ND<0.2	23.6
LBG-TB-23	7	8	7/18/02	BMF & CD	68.9	10.5	589	ND<0.05	5.3	5,770	2.52	ND<0.5	3,940	5.07	169	ND<1	6	5,140
LBG-TB-23	18	20	7/18/02	BMF & CD	4.92	4.11	124	ND<0.05	2.1	350	ND<1	ND<0.5	375	0.75	11.3	1.28	ND<0.2	2,440
LBG-TB-23	27	29	7/18/02	Non Fill	ND<0.3	4.62	211	ND<0.05	1.92	146	ND<1	ND<0.5	117	ND<0.1	19.6	ND<1	ND<0.2	343
LBG-TB-24	3.5	4	7/19/02	CD	ND<0.3	1.61	33.8	ND<0.05	ND<0.5	8.49	ND<1	ND<0.5	14.7	ND<0.1	6.33	ND<1	ND<0.2	20
LBG-TB-24	7.8	8	7/19/02	GC	16.2	ND<1	23.9	ND<0.05	19.8	777	1.81	ND<0.5	49.6	ND<0.1	121	ND<1	ND<0.2	319
LBG-TB-24	13.5	14	7/19/02	CD	ND<0.3	1.2	37.9	ND<0.05	ND<0.5	14.8	ND<1	ND<0.5	11.8	ND<0.1	4.78	ND<1	ND<0.2	19.7
LBG-TB-24	23.5	24	7/19/02	Non Fill	ND<0.3	2.37	73	ND<0.05	ND<0.5	42.1	ND<1	ND<0.5	282	0.48	8.68	ND<1	ND<0.2	72.8
LBG-TB-25	3.5	4	7/19/02	CD	ND<0.3	2.33	42.9	ND<0.05	ND<0.5	10.7	1.08	ND<0.5	12.7	ND<0.1	4.78	ND<1	ND<0.2	22.4
LBG-TB-25	9.5	10	7/19/02	BMF	141	72.6	595	ND<0.05	4.88	1,990	ND<1	ND<0.5	10,100	4.31	89	8.62	5.75	4,250
LBG-TB-25	13.5	14	7/19/02	BMF	12.4	7.21	142	ND<0.05	5.46	5,880	ND<1	ND<0.5	423	0.86	97.3	ND<1	4.88	3,120
LBG-TB-25	17.5	18	7/19/02	Non Fill	ND<0.3	ND<1	41.8	ND<0.05	ND<0.5	10.5	ND<1	ND<0.5	15.6	ND<0.1	1.75	ND<1	ND<0.2	39.2

TABLE 8

TABLE 8  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Total Metal and Cyanide Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Material	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Copper (mg/kg)	Cyanide (mg/kg)	Hexavalent Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
	2.3	3.4			ND<0.3	1.31	23.1	ND<0.05	ND<0.5	46.6	ND<1	ND<0.5	20	1.04	5.73	ND<1	ND<0.2	39.8
LBG-TP-5	2.3	3.4	8/13/02	GNS	ND<0.3	1.31	23.1	ND<0.05	ND<0.5	46.6	ND<1	ND<0.5	20	1.04	5.73	ND<1	ND<0.2	39.8
LBG-TP-5	3.4	3.7	8/13/02	GRS	<b>2,600</b>	<b>1,040</b>	217	0.12	5.94	<b>8,670</b>	ND<1	ND<0.5	<b>46,100</b>	0.89	39.1	3.93	9.41	2,220
CTDEP Residential Direct Exposure Criteria					27	10	4,700	2	34	2,500	1,400	100	400	20	1,400	340	340	20,000
CTDEP Industrial/Commercial Direct Exposure Criteria					8,200	10	140,000	2	1,000	76,000	41,000	100	1,000	610	7,500	10,000	10,000	610,000

Note: Bold values exceed RDEC. RDEC does not apply to soils below 15 feet.  
 ND<10 Not detected above noted laboratory limit.  
 NE Criteria not established.  
 BMF Black matrix fill, typical Winchester Repeating Arms fill.  
 GRS Gray Sand  
 GNS Green Sand  
 GC Gray Clay  
 CD Construction Debris  
 DD Domestic debris/municipal waste  
 ft bg feet below grade

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TABLE 9

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Synthetic Precipitation Leaching Procedure Metal and Cyanide Soil-Quality Results

	Sample Interval (ft bg)		Sample Material	Date Collected	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Cyanide (mg/l)	Lead (mg/l)	Mercury (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Zinc (mg/l)
LBG-MW-1	3.5	4	Non Fill	7/16/02	ND<0.008	ND<0.01	0.368	ND<0.001	ND<0.003	ND<0.005	0.036	NT	<b>0.104</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.075
LBG-MW-3	3.5	4	Non Fill	7/19/02	NT	NT	NT	NT	NT	NT	0.008	NT	NT	ND<0.0005	NT	NT	NT	NT	NT
LBG-MW-3	5	5.5	BMF & CD	7/19/02	NT	NT	NT	NT	NT	NT	0.013	NT	NT	NT	NT	NT	NT	NT	NT
LBG-MW-3	9	9.5	Non Fill	7/17/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND<0.0005	NT	NT	NT	NT	NT
LBG-MW-6	3.5	4	CD	7/17/02	ND<0.008	<b>0.014</b>	0.262	ND<0.001	ND<0.003	ND<0.005	0.072	NT	<b>0.06</b>	ND<0.0005	0.013	ND<0.01	ND<0.003	ND<0.01	0.188
LBG-MW-6	5.5	6	CD	7/17/02	<b>0.051</b>	<b>0.011</b>	0.239	ND<0.001	ND<0.003	ND<0.005	0.106	NT	<b>0.322</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.15
LBG-MW-6	11	11.5	Non Fill	7/17/02	<b>0.096</b>	<b>0.019</b>	0.3	ND<0.001	ND<0.003	ND<0.005	0.043	NT	<b>1.55</b>	ND<0.0005	0.026	ND<0.01	ND<0.003	ND<0.01	0.126
LBG-TB-1	2	4	BMF	7/15/02	ND<0.008	<b>0.01</b>	0.222	ND<0.001	ND<0.003	ND<0.005	0.01	NT	ND<0.003	ND<0.0005	0.009	ND<0.01	ND<0.003	ND<0.01	0.034
LBG-TB-1	8	10	BMF	7/15/02	ND<0.008	<b>0.021</b>	0.377	ND<0.001	ND<0.003	0.011	1.04	ND<0.01	<b>0.119</b>	<b>0.0126</b>	0.013	ND<0.01	ND<0.003	ND<0.01	1.72
LBG-TB-1	16	18	BMF	7/15/02	ND<0.008	ND<0.01	0.193	ND<0.001	ND<0.003	ND<0.005	0.03	NT	ND<0.003	ND<0.0005	0.082	ND<0.01	ND<0.003	ND<0.01	4.93
LBG-TB-1	20	22	Non Fill	7/15/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND<0.0005	NT	NT	NT	NT	NT
LBG-TB-2	1.5	2	BMF	7/15/02	<b>0.017</b>	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LBG-TB-2	2	4	BMF	7/15/02	ND<0.008	ND<0.01	0.19	ND<0.001	ND<0.003	ND<0.005	0.047	NT	<b>0.053</b>	<b>0.0078</b>	0.012	ND<0.01	ND<0.003	ND<0.01	0.091
LBG-TB-2	5	6	BMF	7/15/02	ND<0.008	ND<0.01	0.222	ND<0.001	ND<0.003	ND<0.005	0.013	ND<0.01	ND<0.003	ND<0.0005	<b>0.183</b>	ND<0.01	ND<0.003	ND<0.01	0.445
LBG-TB-2	11	12	BMF	7/15/02	ND<0.008	ND<0.01	0.196	ND<0.001	ND<0.003	ND<0.005	0.013	NT	ND<0.003	ND<0.0005	0.069	ND<0.01	ND<0.003	ND<0.01	11.2
LBG-TB-3	2	4	BMF	7/15/02	ND<0.008	ND<0.01	0.214	ND<0.001	ND<0.003	ND<0.005	0.052	NT	<b>0.018</b>	ND<0.0005	0.074	ND<0.01	ND<0.003	ND<0.01	1.17
LBG-TB-3	8	10	BMF	7/15/02	ND<0.008	<b>0.019</b>	0.164	ND<0.001	ND<0.003	ND<0.005	0.01	NT	ND<0.003	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.039
LBG-TB-3	16	18	BMF	7/15/02	ND<0.008	ND<0.01	0.405	ND<0.001	ND<0.003	ND<0.005	0.02	NT	<b>0.039</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.051
LBG-TB-3	23	24	Non Fill	7/15/02	NT	NT	NT	NT	NT	NT	NT	NT	0.007	NT	NT	NT	NT	NT	NT
LBG-TB-4	3	4	BMF	7/16/02	<b>0.033</b>	ND<0.01	0.361	ND<0.001	ND<0.003	ND<0.005	0.067	NT	<b>0.113</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.112
LBG-TB-4	9	10	BMF & CD	7/16/02	ND<0.008	ND<0.01	0.251	ND<0.001	ND<0.003	ND<0.005	0.009	ND<0.01	<b>0.066</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.037
LBG-TB-4	16	18	BMF	7/16/02	ND<0.008	ND<0.01	0.212	ND<0.001	ND<0.003	ND<0.005	ND<0.006	NT	ND<0.003	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.059
LBG-TB-5	1.6	2	BMF	7/16/02	ND<0.008	ND<0.01	0.247	ND<0.001	ND<0.003	0.005	0.066	NT	<b>0.036</b>	ND<0.0005	0.012	ND<0.01	ND<0.003	ND<0.01	0.088
LBG-TB-5	2	4	BMF	7/16/02	ND<0.008	ND<0.01	0.185	ND<0.001	ND<0.003	ND<0.005	ND<0.006	NT	ND<0.003	ND<0.0005	<b>0.211</b>	ND<0.01	ND<0.003	ND<0.01	0.032
LBG-TB-5	7	8	BMF	7/16/02	<b>0.034</b>	<b>0.01</b>	0.214	ND<0.001	ND<0.003	ND<0.005	0.055	NT	0.013	ND<0.0005	0.02	ND<0.01	ND<0.003	ND<0.01	3.32
LBG-TB-5	15	16	BMF	7/16/02	ND<0.008	ND<0.01	0.214	ND<0.001	ND<0.003	ND<0.005	0.043	NT	ND<0.003	ND<0.0005	<b>2.89</b>	ND<0.01	ND<0.003	ND<0.01	<b>6.15</b>
LBG-TB-6	2	3	BMF & CD	7/17/02	ND<0.008	ND<0.01	0.312	ND<0.001	ND<0.003	ND<0.005	0.086	NT	<b>0.046</b>	ND<0.0005	0.013	ND<0.01	ND<0.003	ND<0.01	1.33
LBG-TB-6	6	8	BMF & CD	7/17/02	ND<0.008	ND<0.01	0.366	ND<0.001	ND<0.003	0.012	0.161	NT	<b>0.073</b>	0.0009	0.042	ND<0.01	ND<0.003	ND<0.01	0.94
LBG-TB-6	10	11	BMF	7/17/02	ND<0.008	ND<0.01	0.231	ND<0.001	ND<0.003	ND<0.005	0.032	NT	<b>0.028</b>	ND<0.0005	<b>0.292</b>	ND<0.01	ND<0.003	ND<0.01	0.104
LBG-TB-7	1.2	2	BMF & MW	7/16/02	ND<0.008	<b>0.01</b>	0.224	ND<0.001	ND<0.003	ND<0.005	0.013	NT	<b>0.048</b>	ND<0.0005	0.01	ND<0.01	ND<0.003	ND<0.01	0.083
LBG-TB-7	2	2.5	BMF & MW	7/16/02	ND<0.008	ND<0.01	0.203	NT	NT	ND<0.005	0.008	NT	0.009	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.048
LBG-TB-8	1.1	1.3	BMF & CD	7/16/02	ND<0.008	ND<0.01	0.245	ND<0.001	ND<0.003	ND<0.005	0.009	NT	ND<0.003	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.04
LBG-TB-8	2	2.4	BMF	7/16/02	ND<0.008	ND<0.01	0.229	ND<0.001	ND<0.003	ND<0.005	0.066	ND<0.01	<b>0.043</b>	ND<0.0005	0.014	ND<0.01	ND<0.003	ND<0.01	0.086
LBG-TB-8	5	6	BMF	7/16/02	ND<0.008	ND<0.01	0.24	ND<0.001	ND<0.003	ND<0.005	ND<0.006	NT	ND<0.003	ND<0.0005	0.02	ND<0.01	ND<0.003	ND<0.01	0.064
LBG-TB-8	12	13	Non Fill	7/16/02	NT	NT	NT	ND<0.001	ND<0.003	NT	ND<0.005	NT	NT	NT	NT	ND<0.01	NT	NT	NT
LBG-TB-9	0.9	1.5	BMF	7/16/02	ND<0.008	ND<0.01	0.208	ND<0.001	ND<0.003	ND<0.005	0.021	NT	<b>0.034</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.056
LBG-TB-11	2	3	Non Fill	7/15/02	<b>0.045</b>	<b>0.02</b>	0.205	ND<0.001	ND<0.003	ND<0.005	0.056	NT	<b>0.375</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.072

TABLE 9

TABLE 9  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Synthetic Precipitation Leaching Procedure Metal and Cyanide Soil-Quality Results

	Sample Interval (ft bg)		Sample Material	Date Collected	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Cyanide (mg/l)	Lead (mg/l)	Mercury (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Zinc (mg/l)
LBG-TB-12	2.2	3.1	DD	7/15/02	<b>0.204</b>	<b>0.35</b>	0.192	ND<0.001	ND<0.003	ND<0.005	0.09	NT	<b>0.705</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.098
LBG-TB-12	4.9	5.7	BMF & DD	7/15/02	<b>0.372</b>	<b>0.14</b>	0.191	ND<0.001	ND<0.003	ND<0.005	0.056	NT	<b>0.021</b>	ND<0.0005	<b>0.217</b>	ND<0.01	ND<0.003	ND<0.01	<b>9.83</b>
LBG-TB-12	13.4	13.9	BMF & DD	7/15/02	<b>0.23</b>	<b>0.081</b>	0.187	ND<0.001	ND<0.003	ND<0.005	0.049	NT	<b>0.156</b>	ND<0.0005	0.062	ND<0.01	ND<0.003	ND<0.01	2.26
LBG-TB-13	2.7	3.1	BMF	7/15/02	NT	NT	NT	NT	NT	NT	0.035	NT	NT	ND<0.0005	NT	NT	NT	NT	0.073
LBG-TB-14	2	3	CD	7/15/02	<b>0.338</b>	<b>0.138</b>	0.158	ND<0.001	ND<0.003	ND<0.005	0.064	NT	<b>0.018</b>	ND<0.0005	<b>0.209</b>	ND<0.01	ND<0.003	ND<0.01	<b>9.89</b>
LBG-TB-15	2	3	CD	7/15/02	ND<0.008	ND<0.01	0.273	ND<0.001	ND<0.003	ND<0.005	0.037	NT	ND<0.003	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.081
LBG-TB-15	7	8	Non Fill	7/15/02	NT	NT	NT	NT	NT	NT	0.01	NT	NT	NT	NT	NT	NT	NT	NT
LBG-TB-16	1.1	1.5	CD	7/16/02	ND<0.008	ND<0.01	0.223	ND<0.001	ND<0.003	ND<0.005	0.017	NT	0.006	ND<0.0005	0.039	ND<0.01	ND<0.003	ND<0.01	3.28
LBG-TB-16	3.5	4	BMF	7/16/02	ND<0.008	NT	0.274	ND<0.001	ND<0.003	0.007	0.16	NT	<b>0.093</b>	0.0011	0.026	ND<0.01	ND<0.003	ND<0.01	0.212
LBG-TB-16	4.5	5.2	BMF & CD	7/16/02	<b>0.009</b>	ND<0.01	0.237	ND<0.001	ND<0.003	ND<0.005	0.123	NT	<b>0.052</b>	Not detected	0.016	ND<0.01	ND<0.003	ND<0.01	0.13
LBG-TB-16	12	13.1	BMF & CD	7/16/02	ND<0.008	ND<0.01	0.208	ND<0.001	ND<0.003	ND<0.005	0.088	NT	<b>0.039</b>	ND<0.0005	<b>0.629</b>	ND<0.01	ND<0.003	ND<0.01	2.65
LBG-TB-16	22	23	Non Fill	7/16/02	NT	ND<0.01	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LBG-TB-17	1.6	2	BMF & CD	7/17/02	<b>0.018</b>	ND<0.01	0.253	ND<0.001	ND<0.003	0.006	0.305	NT	<b>0.41</b>	ND<0.0005	0.026	ND<0.01	0.008	ND<0.01	0.53
LBG-TB-17	2	3	BMF & CD	7/17/02	<b>0.009</b>	ND<0.01	0.262	ND<0.001	ND<0.003	0.008	0.377	NT	<b>0.267</b>	0.0005	0.018	ND<0.01	ND<0.003	ND<0.01	0.249
LBG-TB-17	4	4.9	BMF & CD	7/17/02	ND<0.008	<b>0.017</b>	0.0.23	ND<0.001	ND<0.003	ND<0.005	0.157	NT	<b>0.061</b>	ND<0.0005	0.017	ND<0.01	ND<0.003	ND<0.01	0.262
LBG-TB-17	16.2	17.1	BMF	7/17/02	ND<0.008	ND<0.01	0.197	ND<0.001	<b>0.008</b>	ND<0.005	0.285	ND<0.01	ND<0.003	0.0006	<b>1.04</b>	ND<0.01	ND<0.003	ND<0.01	<b>22.9</b>
LBG-TB-19	3	4	CD	7/17/02	<b>0.009</b>	ND<0.01	0.23	ND<0.001	ND<0.003	ND<0.005	0.036	NT	<b>0.035</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.111
LBG-TB-19	8	10	BMF	7/17/02	ND<0.008	ND<0.01	0.34	ND<0.001	0.003	0.01	0.157	NT	<b>0.095</b>	0.0013	0.053	ND<0.01	ND<0.003	ND<0.01	3.56
LBG-TB-19	14	16	BMF	7/17/02	ND<0.008	ND<0.01	0.38	ND<0.001	ND<0.003	ND<0.005	0.04	NT	<b>0.032</b>	ND<0.0005	0.046	ND<0.01	ND<0.003	ND<0.01	3.73
LBG-TB-20	4.7	4.11	CD	7/18/02	ND<0.008	ND<0.01	0.289	ND<0.001	ND<0.003	ND<0.005	0.072	NT	<b>0.024</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.04
LBG-TB-20	16	16.5	BMF	7/18/02	<b>0.011</b>	ND<0.01	0.267	ND<0.001	ND<0.003	ND<0.005	0.015	NT	<b>0.033</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.069
LBG-TB-21	3	4	CD	7/18/02	NT	NT	NT	NT	NT	NT	0.045	NT	NT	NT	NT	NT	NT	NT	0.071
LBG-TB-21	7	8	CD	7/18/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND<0.0005	NT	NT	NT	NT	NT
LBG-TB-21	15	16	BMF & CD	7/18/02	ND<0.008	ND<0.01	0.278	ND<0.001	ND<0.003	ND<0.005	0.007	NT	ND<0.003	ND<0.0005	0.097	ND<0.01	ND<0.003	ND<0.01	2.37
LBG-TB-21	24	26	Non Fill	7/18/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.025
LBG-TB-22	3.5	4	Non Fill	7/18/02	ND<0.008	ND<0.01	0.261	NT	NT	ND<0.005	0.019	NT	<b>0.017</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.054
LBG-TB-22	5.5	6	BMF	7/18/02	<b>0.041</b>	ND<0.01	0.331	ND<0.001	ND<0.003	0.006	0.13	ND<0.01	<b>0.071</b>	0.0005	0.016	ND<0.01	ND<0.003	ND<0.01	0.253
LBG-TB-22	15.5	16	BMF	7/18/02	<b>0.035</b>	ND<0.01	0.332	ND<0.001	ND<0.003	0.006	0.123	NT	<b>0.064</b>	ND<0.0005	0.014	ND<0.01	ND<0.003	ND<0.01	0.201
LBG-TB-22	22	22.5	Non Fill	7/18/02	NT	ND<0.01	0.383	ND<0.001	ND<0.003	ND<0.005	0.011	NT	ND<0.003	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.053
LBG-TB-23	7	8	BMF & CD	7/18/02	<b>0.042</b>	ND<0.01	0.319	ND<0.001	ND<0.003	0.012	0.319	ND<0.01	<b>0.124</b>	0.0006	0.026	ND<0.01	ND<0.003	ND<0.01	0.176
LBG-TB-23	18	20	BMF & CD	7/18/02	<b>0.025</b>	ND<0.01	0.332	ND<0.001	ND<0.003	ND<0.005	0.26	NT	<b>0.12</b>	<b>0.0032</b>	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.488
LBG-TB-23	27	29	Non Fill	7/18/02	ND<0.008	ND<0.01	0.306	ND<0.001	ND<0.003	ND<0.005	0.009	NT	ND<0.003	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.086
LBG-TB-24	7.8	8	GC	7/19/02	ND<0.008	ND<0.01	0.245	ND<0.001	ND<0.003	ND<0.005	0.022	ND<0.01	<b>0.04</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.055
LBG-TB-24	23.5	24	Non Fill	7/19/02	ND<0.008	ND<0.01	0.305	ND<0.001	ND<0.003	ND<0.005	0.013	NT	<b>0.039</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.041
LBG-TB-25	3.5	4	CD	7/19/02	NT	NT	NT	NT	NT	NT	NT	ND<0.01	NT	NT	NT	NT	NT	NT	NT
LBG-TB-25	9.5	10	BMF	7/19/02	ND<0.008	ND<0.01	0.27	ND<0.001	ND<0.003	ND<0.005	0.015	NT	<b>0.037</b>	ND<0.0005	ND<0.009	ND<0.01	ND<0.003	ND<0.01	0.044

**TABLE 9**  
(continued)

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Synthetic Precipitation Leaching Procedure Metal and Cyanide Soil-Quality Results**

	Sample Interval (ft bg)		Sample Material	Date Collected	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)	Beryllium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Cyanide (mg/l)	Lead (mg/l)	Mercury (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Thallium (mg/l)	Zinc (mg/l)
LBG-TB-25	13.5	14	BMF	7/19/02	ND<0.008	ND<0.01	0.299	ND<0.001	ND<0.003	ND<0.005	0.314	NT	<b>0.019</b>	ND<0.0005	0.034	ND<0.01	ND<0.003	ND<0.01	0.154
CTDEP GA Pollutant Mobility Criteria					0.006	0.01	1	0.004	0.005	0.05	1.3	NE	0.015	0.002	0.1	0.05	0.036	0.005	5
10 times the CTDEP Ground Water Protection Criteria / GB Pollutant Mobility Criteria					0.06	0.1	10	0.04	0.05	0.5	13	NE	0.15	0.02	1	0.5	0.36	0.05	50

Note: The Connecticut Department of Environmental Protection Remediation Standard Regulations GA Pollutant Mobility Criteria does not apply to soils below the seasonal low water table.

NT Not tested.

ND<10 Not detected above noted laboratory limit.

NE Criteria not established.

BMF Black matrix fill, typical Winchester Repeating Arms fill.

GC Gray Clay

CD Construction debris

DD Domestic debris/municipal waste

ft bg feet below grade

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TABLE 10

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Extractable Total Petroleum Hydrocarbon Soil-Quality Results**

	Sample Interval (ft bg)		Date Collected	Sample Material	ETPH (mg/kg)	Oil Identification	Carbon Range
LBG-MW-1	3.5	4	7/16/02	Non Fill	412	Motor oil	C16-C36
LBG-MW-1	13.5	14	7/16/02	Non Fill	ND<10		ND
LBG-MW-2	3.5	4	7/16/02	Non Fill	ND<10		ND
LBG-MW-3	3.5	4	7/19/02	Non Fill	<b>2,130</b>	NI	C14-C34
LBG-MW-3	5	5.5	7/19/02	BMF & CD	358	Motor oil	C18-C34
LBG-MW-3	9	9.5	7/17/02	Non Fill	31.9	NI	C20-C30
LBG-MW-4	2.5	3	7/15/02	Non Fill	ND<10		ND
LBG-MW-5	3.5	4	7/15/02	Non Fill	ND<10		ND
LBG-MW-6	3.5	4	7/17/02	CD	52	Motor oil	C18-C32
LBG-MW-6	5.5	6	7/17/02	CD	272	Motor oil	C18-C34
LBG-MW-6	11	11.5	7/17/02	Non Fill	381	NI	C18-C34
LBG-MW-6	13.5	14	7/17/02	Non Fill	30.3	NI	C18-C34
LBG-MW-16	2.5	3	8/7/02	CD	21	NI	C18 - C36
LBG-MW-16	4	6	8/7/02	CD	342	NI	C14 - C36
LBG-MW-16	21.3	22	8/7/02	Non Fill	ND<11.8		ND
LBG-TB-1	2	4	7/15/02	BMF	<b>7,730</b>	NI	C14-C36
LBG-TB-1	8	10	7/15/02	BMF	<b>1,733</b>	NI	C18-C36
LBG-TB-1	16	18	7/15/02	BMF	<b>1,031</b>	Motor oil	C16-C34
LBG-TB-1	20	22	7/15/02	Non Fill	15.4	NI	C20-C30
LBG-TB-2	1.5	2	7/15/02	BMF	345	Motor oil	C16-C36
LBG-TB-2	2	4	7/15/02	BMF	<b>2,497</b>	Motor oil	C16-C36
LBG-TB-2	5	6	7/15/02	BMF	<b>7,094</b>	Motor oil	C14-C36
LBG-TB-2	11	12	7/15/02	BMF	49.1	Motor oil	C20-C32
LBG-TB-2	15	16	7/15/02	Non Fill	ND<10		ND
LBG-TB-3	2	4	7/15/02	BMF	247	NI	C14-C20-C22-36
LBG-TB-3	8	10	7/15/02	BMF	179	Motor oil	C18-C34
LBG-TB-3	16	18	7/15/02	BMF	230	NI	C18-C32
LBG-TB-3	23	24	7/15/02	Non Fill	ND<10		ND
LBG-TB-4	3	4	7/16/02	BMF	<b>501</b>	Motor oil	C18-C36
LBG-TB-4	9	10	7/16/02	BMF & CD	<b>958</b>	Motor oil	C18-C36
LBG-TB-4	16	18	7/16/02	BMF	34.6	NI	C18-C28
LBG-TB-4	23	24	7/16/02	Non Fill	11	NI	C22-C36
LBG-TB-5	1.6	2	7/16/02	BMF	<b>1,520</b>	Motor oil	C18-C36
LBG-TB-5	2	4	7/16/02	BMF	<b>29,710</b>	Motor oil	C16-C36
LBG-TB-5	7	8	7/16/02	BMF	<b>4,020</b>	Motor oil	C16-C36
LBG-TB-5	15	16	7/16/02	BMF	200	Motor oil	C18-C34
LBG-TB-5	19	20	7/16/02	Non Fill	ND<10		ND
LBG-TB-6	2	3	7/17/02	BMF & CD	<b>3,320</b>	NI	C12-C16,C16-34
LBG-TB-6	6	8	7/17/02	BMF & CD	58.8	Motor oil	C18-C34
LBG-TB-6	10	11	7/17/02	BMF	<b>1,390</b>	Motor oil	C14-C34

**TABLE 10**  
**(continued)**

**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

**Summary of Extractable Total Petroleum Hydrocarbon Soil-Quality Results**

	Sample Interval (ft bg)		Date Collected	Sample Material	ETPH (mg/kg)	Oil Identification	Carbon Range
LBG-TB-6	13	14	7/17/02	Non Fill	<b>12,760</b>	Motor oil	C16-C32
LBG-TB-7	1.2	2	7/16/02	BMF & MW	55	Motor oil	C18-C36
LBG-TB-7	2	2.5	7/16/02	BMF & MW	49.8	NI	C26-C36
LBG-TB-7	8.7	9.7	7/16/02	Non Fill	ND<10		ND
LBG-TB-8	1.1	1.3	7/16/02	BMF & CD	45.9	NI	C18-C32
LBG-TB-8	2	2.4	7/16/02	BMF	20.9	NI	C18-C36
LBG-TB-8	5	6	7/16/02	BMF	21	NI	C20-C34
LBG-TB-8	12	13	7/16/02	Non Fill	34.7	NI	C22-C36
LBG-TB-9	0.9	1.5	7/16/02	BMF	105	Motor Oil	C18-C36
LBG-TB-9	2	2.8	7/16/02	Non Fill	ND<10		ND
LBG-TB-9	5	6	7/16/02	Non Fill	ND<10		ND
LBG-TB-10	2	3	7/16/02	Non Fill	ND<10		ND
LBG-TB-11	2	3	7/15/02	Non Fill	34	NI	C20-C36
LBG-TB-12	2.2	3.1	7/15/02	DD	405	Hydraulic oil	C18-C34
LBG-TB-12	4.9	5.7	7/15/02	BMF & DD	<b>8,333</b>	Motor Oil	C12-C36
LBG-TB-12	13.4	13.9	7/15/02	BMF & DD	<b>2,222</b>	Motor Oil	C16-C36
LBG-TB-12	23	24	7/15/02	Non Fill	ND<10		ND
LBG-TB-13	2.7	3.1	7/15/02	BMF	54.7	NI	C18-C34
LBG-TB-13	5	6	7/15/02	Non Fill	ND<10		ND
LBG-TB-14	2	3	7/15/02	CD	ND<10		ND
LBG-TB-14	4	5	7/15/02	Non Fill	ND<10		ND
LBG-TB-15	2	3	7/15/02	CD	201	Motor Oil	C18-C36
LBG-TB-15	7	8	7/15/02	Non Fill	12.9	NI	C18-C34
LBG-TB-16	1.1	1.5	7/16/02	CD	<b>6,550</b>	Motor Oil	C14-C36
LBG-TB-16	3.5	4	7/16/02	BMF	<b>1,680</b>	NI	C11-16,C18-36
LBG-TB-16	4.5	5.2	7/16/02	BMF & CD	<b>4,710</b>	NI	C12-18,C19-36
LBG-TB-16	12	13.1	7/16/02	BMF & CD	<b>20,400</b>	NI	C16-C36
LBG-TB-16	22	23	7/16/02	Non Fill	ND<10		ND
LBG-TB-17	1.6	2	7/17/02	BMF & CD	<b>1,270</b>	Motor Oil	C16-C34
LBG-TB-17	2	3	7/17/02	BMF & CD	<b>1,230</b>	Motor Oil	C16-C34
LBG-TB-17	4	4.9	7/17/02	BMF & CD	157	Motor Oil	C18-C34
LBG-TB-17	16.2	17.1	7/17/02	BMF	<b>3,730</b>	Motor Oil	C16-C34
LBG-TB-17	20	21	7/17/02	Non Fill	19.7	NI	C20-C30
LBG-TB-18	2	3.5	7/17/02	Non Fill	14.9	NI	C20-C34
LBG-TB-18 Duplicate	2	3.5	7/17/02	Non Fill	33.3	NI	C20-C34
LBG-TB-19	3	4	7/17/02	CD	102	Motor Oil	C18-C34
LBG-TB-19	8	10	7/17/02	BMF	<b>27,400</b>	Motor Oil	C14-C34
LBG-TB-19	14	16	7/17/02	BMF	<b>3,200</b>	Motor Oil	C14-C34
LBG-TB-19	27	28	7/17/02	Non Fill	105	Motor Oil	C18-C34
LBG-TB-20	3.5	4	7/18/02	Non Fill	11	NI	C18-C32

TABLE 10  
(continued)

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Extractable Total Petroleum Hydrocarbon Soil-Quality Results

	Sample Interval (ft bg)		Date Collected	Sample Material	ETPH (mg/kg)	Oil Identification	Carbon Range
LBG-TB-20	4.7	4.11	7/18/02	CD	53.2	NI	C18-C34
LBG-TB-20	16	16.5	7/18/02	BMF	201	Motor Oil	C20-C32
LBG-TB-20	29	29.5	7/18/02	Non Fill	27.9	NI	C18-C34
LBG-TB-21	3	4	7/18/02	CD	60.6	Motor Oil	C18-C36
LBG-TB-21	7	8	7/18/02	CD	335	Motor Oil	C18-C36
LBG-TB-21	15	16	7/18/02	BMF & CD	<b>19,610</b>	Motor Oil	C16-C34
LBG-TB-21	24	26	7/18/02	Non Fill	1,220	NI	C18-C36
LBG-TB-22	3.5	4	7/18/02	Non Fill	48.5	Motor Oil	C18-C34
LBG-TB-22	5.5	6	7/18/02	BMF	<b>6,200</b>	Motor Oil	C14-C34
LBG-TB-22	15.5	16	7/18/02	BMF	<b>4,780</b>	Motor Oil	C16-C34
LBG-TB-22	22	22.5	7/18/02	Non Fill	69.9	Motor Oil	C18-C34
LBG-TB-23	3	4	7/18/02	Non Fill	36.9	NI	C18-C32
LBG-TB-23	7	8	7/18/02	BMF & CD	<b>24,640</b>	Motor Oil	C16-C34
LBG-TB-23	18	20	7/18/02	BMF & CD	12,300	NI	C14-C34
LBG-TB-23	27	29	7/18/02	Non Fill	880	Motor Oil	C18-C36
LBG-TB-24	3.5	4	7/19/02	CD	33	NI	C18-C34
LBG-TB-24	7.8	8	7/19/02	GC	<b>5,160</b>	Motor Oil	C14-C34
LBG-TB-24	13.5	14	7/19/02	CD	<b>725</b>	Diesel fuel	C11-C20
LBG-TB-24	23.5	24	7/19/02	Non Fill	988	Motor Oil	C17-C34
LBG-TB-25	3.5	4	7/19/02	CD	28.4	NI	C18-C32
LBG-TB-25	9.5	10	7/19/02	BMF	<b>3,780</b>	Motor Oil	C16-C32
LBG-TB-25	13.5	14	7/19/02	BMF	<b>5,540</b>	NI	C11-C15,C16-34
LBG-TB-25	17.5	18	7/19/02	Non Fill	126	Motor Oil	C16-C34
LBG-TP-5	2.3	3.4	8/13/02	GNS	ND<10.8		ND
LBG-TP-5	3.4	3.7	8/13/02	GRS	<b>1,360</b>	NI	C16-C26-C36
CTDEP GA Pollutant Mobility Criteria					500		
CTDEP Residential Direct Exposure Criteria					500		
CTDEP GB Pollutant Mobility Criteria					2,500		
CTDEP Industrial/Commercial Direct Exposure Criteria					2,500		

Note: The Connecticut Department of Environmental Protection Remediation Standard Regulations Residential Direct Exposure Criteria does not apply to soils below 15 feet below grade. The Connecticut Department of Environmental Protection Remediation Standard Regulations GA Pollutant Mobility Criteria does not apply to soils below the seasonal low water table.

ND<10	Not detected above noted laboratory limit.	GRS	Gray sand
NI	Laboratory unable to identify oil source.	GNS	Green sand
BMF	Black matrix fill, typical Winchester Repeating Arms fill.	GC	Gray Clay
DD	Domestic debris/municipal waste	CD	Construction debris
CTETPH	Connecticut Extractable Total Petroleum Hydrocarbon	ft bg	feet below grade

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TABLE 13

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Polychlorinated Biphenyl Soil-Quality Results**

Mass Polychlorinated Biphenyls													
	Sample Interval (ft bg)		Date Collected	Date Analyzed	Sample Material	PCB 1016 (mg/kg)	PCB 1221 (mg/kg)	PCB 1232 (mg/kg)	PCB 1242 (mg/kg)	PCB 1248 (mg/kg)	PCB 1254 (mg/kg)	PCB 1260 (mg/kg)	Total PCBs (mg/kg)
LBG-MW-1	3.5	4	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-1	13.5	14	7/16/02	8/28/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-2	3.5	4	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-3	3.5	4	7/19/02	8/1/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-3	5	5.5	7/19/02	8/1/02	BMF & CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-3	9	9.5	7/17/02	8/28/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-4	2.5	3	7/15/02	7/22/02	Non Fill	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06
LBG-MW-5	3.5	4	7/15/02	7/22/02	Non Fill	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06
LBG-MW-6	3.5	4	7/17/02	7/29/02	CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-6	5.5	6	7/17/02	7/29/02	CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-6	11	11.5	7/17/02	8/28/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-6	13.5	14	7/17/02	8/28/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-16	2.5	3	8/7/02	8/22/02	CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-16	4	6	8/7/02	8/22/02	CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-MW-16	21.3	22	8/7/02	8/20/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-1	2	4	7/15/02	7/22/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-1	8	10	7/15/02	7/22/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-1	16	18	7/15/02	8/28/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-1	20	22	7/15/02	8/27/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-2	1.5	2	7/15/02	8/28/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-2	2	4	7/15/02	7/22/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-2	5	6	7/15/02	7/22/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-2	11	12	7/15/02	8/27/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-2	15	16	7/15/02	8/27/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-3	2	4	7/15/02	7/22/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-3	8	10	7/15/02	7/22/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-3	16	18	7/15/02	8/27/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02

**TABLE 13**  
**(continued)**

**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

**Summary of Polychlorinated Biphenyl Soil-Quality Results**

Mass Polychlorinated Biphenyls													
	Sample Interval (ft bg)		Date Collected	Date Analyzed	Sample Material	PCB 1016 (mg/kg)	PCB 1221 (mg/kg)	PCB 1232 (mg/kg)	PCB 1242 (mg/kg)	PCB 1248 (mg/kg)	PCB 1254 (mg/kg)	PCB 1260 (mg/kg)	Total PCBs (mg/kg)
LBG-TB-3	23	24	7/15/02	8/27/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-4	3	4	7/16/02	7/29/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-4	9	10	7/16/02	7/29/02	BMF & CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-4	16	18	7/16/02	8/28/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-4	23	24	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-5	1.6	2	7/16/02	8/28/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	0.1	0.1
LBG-TB-5	2	4	7/16/02	7/29/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-5	7	8	7/16/02	7/29/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-5	15	16	7/16/02	8/28/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-5	19	20	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-6	2	3	7/17/02	7/29/02	BMF & CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-6	6	8	7/17/02	7/29/02	BMF & CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-6	10	11	7/17/02	8/28/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-6	13	14	7/17/02	8/28/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-7	1.2	2	7/16/02	8/28/02	BMF & MW	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-7	2	2.5	7/16/02	7/29/02	BMF & MW	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-7	8.7	9.7	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-8	1.1	1.3	7/16/02	8/28/02	BMF & CD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-8	2	2.4	7/16/02	7/29/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-8	5	6	7/16/02	7/29/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-8	12	13	7/16/02	8/28/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-9	0.9	1.5	7/16/02	8/28/02	BMF	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-9	2	2.8	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-9	5	6	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-10	2	3	7/16/02	7/29/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-11	2	3	7/15/02	7/22/02	Non Fill	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
LBG-TB-12	2.2	3.1	7/15/02	7/23/02	DD	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	0.03	0.06	0.09





**TABLE 13**  
(continued)

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Polychlorinated Biphenyl Soil-Quality Results**

<b>Mass Polychlorinated Biphenyls</b>													
	<b>Sample Interval (ft bg)</b>		<b>Date Collected</b>	<b>Date Analyzed</b>	<b>Sample Material</b>	<b>PCB 1016 (mg/kg)</b>	<b>PCB 1221 (mg/kg)</b>	<b>PCB 1232 (mg/kg)</b>	<b>PCB 1242 (mg/kg)</b>	<b>PCB 1248 (mg/kg)</b>	<b>PCB 1254 (mg/kg)</b>	<b>PCB 1260 (mg/kg)</b>	<b>Total PCBs (mg/kg)</b>
LBG-TP-5	3.4	3.7	8/13/02	8/27/02	GRS	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	0.07	0.05	0.12
LBG-TP-5 (reanalysis)	3.4	3.7	8/13/02	9/12/02	GRS	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02	ND<0.02
CTDEP Residential Direct Exposure Criteria													1
CTDEP Industrial/Commercial Direct Exposure Criteria													10
<b>Synthetic Precipitation Leaching Procedure Polychlorinated Biphenyls</b>													
						<b>PCB 1016 (ug/L)</b>	<b>PCB 1221 (ug/L)</b>	<b>PCB 1232 (ug/L)</b>	<b>PCB 1242 (ug/L)</b>	<b>PCB 1248 (ug/L)</b>	<b>PCB 1254 (ug/L)</b>	<b>PCB 1260 (ug/L)</b>	<b>Total PCBs (ug/L)</b>
LBG-TB-5	1.6	2	7/16/02	9/12/02	BMF	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
LBG-TB-12	2.2	3.1	7/15/02	9/12/02	DD	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
LBG-TB-17	1.6	2	7/17/02	9/12/02	BMF & CD	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
LBG-TB-21	15	16	7/18/02	9/12/02	BMF & CD	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
LBG-TB-22	15.5	16	7/18/02	9/12/02	BMF	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
LBG-TB-25	9.5	10	7/19/02	9/12/02	BMF	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
LBG-TB-25	13.5	14	7/19/02	9/12/02	Non Fill	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
LBG-TP-5	3.4	3.7	8/13/02	9/12/02	GRS	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND<0.2
CTDEP GA Pollutant Mobility Criteria													0.5

ND<0.2 Not detected above noted laboratory limit.  
 NI Laboratory unable to identify oil source.  
 BMF Black matrix fill, typical Winchester Repeating Arms fill.  
 GRC Gray sand  
 GNS Green sand  
 GC Gray Clay  
 CD Construction debris  
 DD Domestic debris/municipal waste  
 ft bg feet below grade  
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**TABLE 15**

**ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

**Summary of Extractable Total Petroleum Hydrocarbon  
Water-Quality Results**

	<b>Date Collected</b>	<b>ETPH (mg/l)</b>	<b>Oil Identification</b>
LBG-MW-1	7/26/02 8/21/02	ND<0.1 ND<0.1	-- ND
LBG-MW-2	7/26/02 8/21/02	ND<0.1 ND<0.1	-- ND
LBG-MW-3	7/26/02 8/22/02	ND<0.1 ND<0.1	-- ND
LBG-MW-4	7/26/02	ND<0.1	--
LBG-MW-4A	8/21/02	ND<0.1	ND
LBG-MW-4B	8/21/02	ND<0.1	ND
LBG-MW-4C	8/21/02	ND<0.1	ND
LBG-MW-5	7/26/02 8/21/02	ND<0.1 ND<0.1	-- ND
LBG-MW-6	7/26/02 8/22/02	ND<0.1 ND<0.1	-- ND
LBG-MW-7A	8/21/02	<b>0.49</b>	Fuel oil #2
LBG-MW-7B	8/21/02	ND<0.1	ND
LBG-MW-8	8/22/02	ND<0.1	ND
LBG-MW-9	8/22/02	ND<0.1	ND
LBG-MW-10A	8/21/02	<b>0.28</b>	NI
LBG-MW-10B	8/21/02	<b>0.22</b>	NI
LBG-MW-11	8/21/02	<b>0.18</b>	NI
LBG-MW-12	8/22/02	ND<0.1	ND
LBG-MW-12 Duplicate	8/22/02	ND<0.1	ND
LBG-MW-13	8/21/02	ND<0.1	ND
LBG-MW-14A	8/22/02	<b>0.12</b>	NI
LBG-MW-14B	8/22/02	ND<0.1	ND
LBG-MW-15A	8/22/02	<b>0.16</b>	NI
LBG-MW-15B	8/22/02	ND<0.1	ND
LBG-MW-16	8/21/02	ND<0.1	ND
LBG-MW-17	8/21/02	ND<0.1	ND
HA-B107-OW	8/22/02	<b>0.2</b>	NI

**TABLE 15**  
**(continued)**

**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Summary of Extractable Total Petroleum Hydrocarbon**  
**Water-Quality Results**

	<b>Date Collected</b>	<b>ETPH (mg/l)</b>	<b>Oil Identification</b>
HA-B111-OW	8/22/02	ND<0.1	ND
CTDEP Surface Water Protection Criteria		NE	NA
CTDEP Ground Water Protection Criteria		0.1	NA

NI Oil unable to be identified by laboratory  
ND<0.1 Not detected above identified detection limit  
NE Criterion not established  
NA Not applicable  
CTDEP Connecticut Department of Environmental Protection  
RSRs Remediation Standard Regulations

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**TABLE 14**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Summary of Metal and Cyanide Water-Quality Results**

	<b>Date Collected</b>	<b>Barium (mg/l)</b>	<b>Dissolved Barium (mg/l)</b>	<b>Chromium (mg/l)</b>	<b>Dissolved Chromium (mg/l)</b>	<b>Cobalt (mg/l)</b>	<b>Copper (mg/l)</b>	<b>Dissolved Copper (mg/l)</b>	<b>Lead (mg/l)</b>	<b>Dissolved Lead (mg/l)</b>	<b>Nickel (mg/l)</b>	<b>Dissolved Nickel (mg/l)</b>	<b>Vanadium (mg/l)</b>	<b>Zinc (mg/l)</b>	<b>Dissolved Zinc (mg/l)</b>
LBG-MW-1	7/26/02	0.091	0.09	ND<0.005	ND<0.005		ND<0.006	ND<0.006	0.007	0.007	ND<0.009	ND<0.009		0.011	0.013
	8/21/02	0.092		ND<0.005		0.007	ND<0.006		0.005		ND<0.009		ND<0.005	0.008	
LBG-MW-2	7/26/02	0.063	0.055	ND<0.005	ND<0.005		ND<0.006	ND<0.006	0.004	ND<0.003	ND<0.009	ND<0.009		0.015	0.009
	8/21/02	0.057		ND<0.005		ND<0.005	0.011		ND<0.003		ND<0.009		ND<0.005	0.011	
LBG-MW-3	7/26/02	0.145	0.143	ND<0.005	ND<0.005		ND<0.006	ND<0.006	ND<0.003	ND<0.003	ND<0.009	ND<0.009		0.013	0.011
	8/22/02	0.155		ND<0.005		ND<0.005	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.009	
LBG-MW-4A	8/21/02	0.087		ND<0.005		ND<0.005	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.009	
LBG-MW-4	7/26/02	0.186	0.184	ND<0.005	ND<0.005		0.01	0.008	0.006	0.004	ND<0.009	ND<0.009		0.017	0.016
LBG-MW-4B	8/21/02	0.182		ND<0.005		0.01	0.011		ND<0.003		ND<0.009		ND<0.005	0.032	
LBG-MW-4C	8/21/02	0.154		ND<0.005		ND<0.005	0.008		ND<0.003		ND<0.009		ND<0.005	0.028	
LBG-MW-5	7/26/02	0.109	0.102	ND<0.005	ND<0.005		0.008	0.007	0.006	ND<0.003	ND<0.009	ND<0.009		0.02	0.013
	8/21/02	0.122		0.007		0.008	0.014		ND<0.003		ND<0.009		0.016	0.02	
LBG-MW-6	7/26/02	0.065	0.064	ND<0.005	ND<0.005		ND<0.006	ND<0.006	ND<0.003	ND<0.003	ND<0.009	ND<0.009		0.019	0.019
	8/22/02	0.058		ND<0.005		ND<0.005	ND<0.006		0.004		ND<0.009		ND<0.005	0.029	
LBG-MW-7A	8/21/02	<b>2.66</b>		0.007		0.012	ND<0.006		0.005		ND<0.009		ND<0.005	0.014	
LBG-MW-7B	8/21/02	0.152		ND<0.005		0.005	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.02	
LBG-MW-8	8/22/02	0.088		ND<0.005		ND<0.005	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.015	
LBG-MW-9	8/22/02	0.039		ND<0.005		ND<0.005	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.013	
LBG-MW-10A	8/21/02	<b>9.07</b>		0.008		0.015	0.016		0.009		ND<0.009		ND<0.005	0.095	
LBG-MW-10B	8/21/02	0.435		0.008		0.014	0.019		0.007		ND<0.009		0.007	0.072	

**TABLE 14  
(continued)  
ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

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**Summary of Metal and Cyanide Water-Quality Results**

	Date Collected	Barium (mg/l)	Dissolved Barium (mg/l)	Chromium (mg/l)	Dissolved Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Dissolved Copper (mg/l)	Lead (mg/l)	Dissolved Lead (mg/l)	Nickel (mg/l)	Dissolved Nickel (mg/l)	Vanadium (mg/l)	Zinc (mg/l)	Dissolved Zinc (mg/l)
LBG-MW-11	8/21/02	0.624		ND<0.005		ND<0.005	ND<0.006		0.006		ND<0.009		ND<0.005	0.014	
LBG-MW-12	8/22/02	<b>1</b>		ND<0.005		ND<0.005	ND<0.006		0.007		ND<0.009		ND<0.005	0.033	
LBG-MW-12 Duplicate	8/22/02	<b>1.01</b>		ND<0.005		ND<0.005	0.024		0.007		ND<0.009		ND<0.005	0.031	
LBG-MW-13	8/21/02	0.211		ND<0.005		ND<0.005	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.037	
LBG-MW-14A	8/22/02	<b>3.04</b>		0.009		ND<0.005	0.08		<b>0.256</b>		0.009		ND<0.005	<b>0.839</b>	
LBG-MW-14B	8/22/02	0.147		0.006		0.007	<b>0.114</b>		<b>0.048</b>		ND<0.009		0.014	<b>0.195</b>	
LBG-MW-15A	8/22/02	<b>4.07</b>		0.007		ND<0.005	ND<0.006		ND<0.003		0.017		ND<0.005	<b>0.146</b>	
LBG-MW-15B	8/22/02	0.089		ND<0.005		ND<0.005	0.01		ND<0.003		ND<0.009		0.012	0.019	
LBG-MW-16	8/21/02	0.163		ND<0.005		ND<0.005	0.013		ND<0.003		ND<0.009		ND<0.005	0.022	
LBG-MW-17	8/21/02	0.085		ND<0.005		0.01	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.036	
HAB-107-OW	8/22/02	0.012		ND<0.005		ND<0.005	ND<0.006		ND<0.003		0.051		0.026	0.009	
HAB-111-OW	8/22/02	0.03		ND<0.005		ND<0.005	ND<0.006		ND<0.003		ND<0.009		ND<0.005	0.016	
CTDEP Surface Water Protection Criteria		NE	NE	NE	NE	NE	0.048	0.048	0.013	0.013	0.88	0.88	NE	0.123	0.123
CTDEP Ground Water Protection Criteria		1	1	0.05	0.05	NE	1.3	1.3	0.015	0.015	0.1	0.1	0.05	5	5

Note: Exceedances of the ground-water protection criteria are highlighted in bold. Although some interior wells show an exceedance of the surface water protection criteria, the furthest downgradient monitor wells show compliance.

ND<0.1 Not detected above identified detection limit

NE Criterion not established

CTDEP Connecticut Department of Environmental Protection

RSRs Remediation Standard Regulations

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**TABLE 16**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Summary of Semi-Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results**

	<b>Date Collected</b>	<b>Acenaphthene (ug/l)</b>	<b>Bis(2-ethylhexyl)phthalate (ug/l)</b>	<b>2,4-Dimethylphenol (ug/l)</b>	<b>Dibenzofuran (ug/l)</b>	<b>Fluorene (ug/l)</b>	<b>Naphthalene (ug/l)</b>	<b>Phenanthrene (ug/l)</b>	<b>Benzenepropanoic acid (ug/l)</b>	<b>Carbazole (ug/l)</b>	<b>Decane (ug/l)</b>	<b>Dimethyl cyclohexanol (ug/l)</b>	<b>Dimethyl naphthalene isomer (ug/l)</b>	<b>Dimethyl octanol isomer (ug/l)</b>
LBG-MW-1	7/26/02	ND<10	NT	NT	NT	ND<10	ND<1	ND<10	NT	NT	NT	NT	NT	NT
	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-2	7/26/02	ND<10	NT	NT	NT	ND<10	ND<1	ND<10	NT	NT	NT	NT	NT	NT
	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-3	7/26/02	ND<10	NT	NT	NT	ND<10	ND<1	ND<10	NT	NT	NT	NT	NT	NT
	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-4	7/26/02	ND<10	NT	NT	NT	ND<10	ND<1	ND<10	NT	NT	NT	NT	NT	NT
LBG-MW-4A	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-4B	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-4C	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-5	7/26/02	ND<10	NT	NT	NT	ND<10	ND<1	ND<10	NT	NT	NT	NT	NT	NT
	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-6	7/26/02	ND<10	NT	NT	NT	ND<10	ND<1	ND<10	NT	NT	NT	NT	NT	NT
	8/22/02	ND<10	10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-7A	8/21/02	13	ND<10	20	12	16	<b>380</b>	<b>20</b>	NI	<b>15</b>	7	10	NI	NI
LBG-MW-7B	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-8	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-9	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-10A	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	18	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-10B	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	8	NI
LBG-MW-11	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-12	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-12 Duplicate	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-13	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-14A	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	9	NI	NI	NI	20	NI
LBG-MW-14B	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-15A	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-15B	8/22/02	ND<10	<b>48</b>	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-16	8/21/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
LBG-MW-17	8/21/02	ND<10	<b>72</b>	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	NI
HA-B107-OW	8/22/02	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	NI	NI	NI	NI	NI	4
HA-B111-OW	8/22/02	ND<10	<b>43</b>	ND<10	ND<10	ND<10	ND<1	ND<10	NI	NI	NI	NI	NI	NI
CTDEP RSRs Surface Water Protection Criteria		NL	59	NE	NE	140,000	NE	0.3	NE	NE	NE	NE	NE	NE
CTDEP RSRs Groundwater Protection Criteria		420	2	140	28	280	280	200	NE	10	NE	NE	NE	NE

**TABLE 16**  
**(continued)**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Summary of Semi-Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results**

	Date Collected	Dimethyl phenol isomer (ug/l)	Dodecanamide (ug/l)	Dodecane (ug/l)	Eicosane (ug/l)	Ethyl methyl cyclohexane isomer (ug/l)	Ethyl methyl phenol isomer (ug/l)	Heneicosane (ug/l)	Heptadecane (ug/l)	Hexadecanamide (ug/l)	Hexadecane (ug/l)	Methyl butanoic acid isomer (ug/l)	Methyl dodecane isomer (ug/l)	Methyl ethyl disulfide (ug/l)
LBG-MW-1	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	28	NI	NI	NI	NI
LBG-MW-2	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-3	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	5	NI	NI	NI	8	NI	8	NI	NI	NI
LBG-MW-4	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LBG-MW-4A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4C	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-5	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	71	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-6	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-7A	8/21/02	5	NI	NI	NI	NI	4	NI	NI	NI	NI	5	NI	NI
LBG-MW-7B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-8	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-9	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-10A	8/21/02	NI	64	NI	NI	NI	NI	NI	NI	70	NI	NI	NI	NI
LBG-MW-10B	8/21/02	NI	NI	NI	NI	20	NI	NI	NI	56	NI	NI	NI	10
LBG-MW-11	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12 Duplicate	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-13	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-14A	8/22/02	NI	NI	NI	23	NI	NI	20	31	NI	39	NI	NI	NI
LBG-MW-14B	8/22/02	NI	6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-15A	8/22/02	NI	NI	13	13	NI	NI	NI	32	NI	24	NI	13	NI
LBG-MW-15B	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-16	8/21/02	NI	28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-17	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	31	NI	NI	NI	NI
HA-B107-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
HA-B111-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
CTDEP RSRs Surface Water Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CTDEP RSRs Groundwater Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

**TABLE 16**  
(continued)  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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Summary of Semi-Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results

	Date Collected	Methyl naphthalene isomer (ug/l)	Methyl naphthalenol (ug/l)	Methyl naphthalenol isomer (ug/l)	Methyl pentanamide (ug/l)	Methyl pentanoic acid isomer (ug/l)	Methyl tridecane isomer (ug/l)	Methylene cyclohexane (ug/l)	N-4-Dimethyl benzensulfonamide (ug/l)	Nonadecane (ug/l)	Nonanamide (ug/l)	Octadecanamide (ug/l)	Octadecane (ug/l)	Octadecanoic acid, butyl ester (ug/l)
LBG-MW-1	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-2	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	37	NI	NI
LBG-MW-3	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LBG-MW-4A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4B	8/21/02	NI	NI	NI	NI	NI	NI	13	NI	NI	NI	34	NI	NI
LBG-MW-4C	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-5	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-6	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-7A	8/21/02	6	NI	NI	NI	5	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-7B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	13	NI	NI
LBG-MW-8	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-9	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-10A	8/21/02	NI	6	NI	7	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-10B	8/21/02	10	NI	8	NI	NI	NI	NI	NI	NI	61	NI	NI	NI
LBG-MW-11	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12 Duplicate	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-13	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	24	NI	NI
LBG-MW-14A	8/22/02	NI	NI	NI	NI	NI	21	NI	NI	26	18	NI	31	NI
LBG-MW-14B	8/22/02	NI	NI	NI	NI	NI	NI	NI	8	NI	NI	NI	NI	NI
LBG-MW-15A	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	24	NI
LBG-MW-15B	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-16	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	6
LBG-MW-17	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
HA-B107-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	30	NI	NI	NI
HA-B111-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
CTDEP RSRs Surface Water Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CTDEP RSRs Groundwater Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

**TABLE 16**  
(continued)  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Semi-Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results

	Date Collected	Pentadecane (ug/l)	Phenylethenyl phenol (ug/l)	Phenylethyl phenol (ug/l)	Tetradecane (ug/l)	Tetrahydro naphthalene (ug/l)	Tridecane (ug/l)	Trimethyl benzene isomer (ug/l)	Unknown Alkane (ug/l)	Unknown alkyl amide (ug/l)	Unknown alkyl cyclic hydrocarbon (ug/l)	Unknown alkyl cyclohexane (ug/l)	Unknown alkyl cyclohexen-1-ol (ug/l)	Unknown alkyl cyclohexene (ug/l)
LBG-MW-1	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-2	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-3	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	8	NI	NI	10	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LBG-MW-4A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4C	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-5	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-6	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	39	NI	NI	NI	NI
LBG-MW-7A	8/21/02	NI	NI	NI	NI	NI	NI	9	NI	NI	NI	5	NI	8
LBG-MW-7B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-8	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	93	NI	NI	NI	NI
LBG-MW-9	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-10A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-10B	8/21/02	NI	NI	NI	NI	9	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-11	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12 Duplicate	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-13	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-14A	8/22/02	40	NI	NI	39	NI	38	NI	13	NI	NI	NI	NI	NI
LBG-MW-14B	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-15A	8/22/02	24	NI	NI	19	NI	31	NI	NI	NI	11	28	NI	NI
LBG-MW-15B	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-16	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-17	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
HA-B107-OW	8/22/02	NI	6	16	NI	NI	NI	NI	NI	NI	NI	NI	5	NI
HA-B111-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
CTDEP RSRs Surface Water Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CTDEP RSRs Groundwater Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

**TABLE 16**  
(continued)  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Semi-Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results

	Date Collected	Unknown alkyl isopropyl cyclohexane (ug/l)	Unknown alkyl pentanoic acid (ug/l)	Unknown alkyl substance benzenes (ug/l)	Unknown alkyl substance cyclohexane (ug/l)	Unknown alkyl substance methyl benzoate (ug/l)	Unknown alkyl substance naphthalene (ug/l)	Unknown amide (ug/l)	Unknown amine (ug/l)	Unknown aromatic thio (ug/l)	Unknown C18 alkane (ug/l)	Unknown C19 alkane (ug/l)	Unknown C21 alkane (ug/l)	Unknown cycloalkyl methanol (ug/l)	Unknown di-alkyl cyclohexane (ug/l)
LBG-MW-1	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-2	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-3	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LBG-MW-4A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4C	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-5	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-6	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	13	NI	NI	NI	NI	NI	NI	NI
LBG-MW-7A	8/21/02	11	NI	28	NI	10	NI	NI	NI	NI	NI	NI	NI	NI	11
LBG-MW-7B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-8	8/22/02	NI	NI	NI	NI	NI	NI	63	NI	NI	NI	NI	NI	NI	NI
LBG-MW-9	8/22/02	NI	NI	NI	NI	NI	NI	61	NI	NI	NI	NI	NI	NI	NI
LBG-MW-10A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-10B	8/21/02	NI	11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-11	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12	8/22/02	NI	NI	NI	NI	NI	NI	126	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12 Duplicate	8/22/02	NI	NI	NI	NI	NI	NI	12	NI	NI	NI	NI	NI	NI	NI
LBG-MW-13	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-14A	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	21	16	14	NI	NI
LBG-MW-14B	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-15A	8/22/02	NI	NI	NI	NI	31	13	NI	23	NI	NI	NI	NI	NI	NI
LBG-MW-15B	8/22/02	NI	NI	NI	NI	NI	NI	16	7	NI	NI	NI	NI	NI	NI
LBG-MW-16	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-17	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
HA-B107-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	11	NI	NI	NI	5	NI
HA-B111-OW	8/22/02	NI	NI	NI	NI	NI	NI	68	NI	NI	NI	NI	NI	NI	NI
CTDEP RSRs Surface Water Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CTDEP RSRs Groundwater Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

**TABLE 16**  
(continued)  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

Summary of Semi-Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results

	Date Collected	Unknown hydroxy alkyl cyclohexanol (ug/l)	Unknown possible alkyl cyclohexene (ug/l)	Unknown possible alkyl pyrazine (ug/l)	Unknown possible butyl myristate (ug/l)	Unknown possible ethanone (ug/l)	Unknown possible furandione (ug/l)	Unknown possible furanyl ethanone (ug/l)	Unknown possible pyridinamine isomers (ug/l)	Unknown possible alkly amide (ug/l)	Unknown possible benzene propanoic acid (ug/l)	Unknown possible ethanone (ug/l)	Unknown possible furandione (ug/l)	Unknown possible oxazole (ug/l)	Unknown possible pyrimidine isomers (ug/l)	Unknown possible triazole (ug/l)
LBG-MW-1	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	11	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-2	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	16	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-3	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LBG-MW-4A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-4C	8/21/02	9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-5	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-6	7/26/02	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-7A	8/21/02	NI	5	37	8	NI	NI	11	NI	NI	8	NI	NI	NI	NI	NI
LBG-MW-7B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-8	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-9	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	73	NI	NI	NI	NI	NI	NI
LBG-MW-10A	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	10	NI	NI	NI	NI
LBG-MW-10B	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	18
LBG-MW-11	8/21/02	12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-12	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	154	NI	NI	NI	NI	NI	NI
LBG-MW-12 Duplicate	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	149	NI	NI	NI	NI	NI	NI
LBG-MW-13	8/21/02	NI	NI	NI	NI	NI	9	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-14A	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-14B	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LBG-MW-15A	8/22/02	NI	NI	NI	NI	29	NI	NI	NI	NI	NI	NI	NI	15	NI	NI
LBG-MW-15B	8/22/02	NI	NI	NI	NI	NI	NI	NI	35	NI	NI	NI	NI	NI	NI	NI
LBG-MW-16	8/21/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	8	NI	NI	NI
LBG-MW-17	8/21/02	12	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
HA-B107-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
HA-B111-OW	8/22/02	NI	NI	NI	NI	NI	NI	NI	NI	63	NI	NI	NI	NI	51	NI
CTDEP RSRs Surface Water Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CTDEP RSRs Groundwater Protection Criteria		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

Note: Exceedances of the ground-water protection criteria are highlighted in bold. Numerical exceedances of the surface water protection criteria are not highlighted because no exceedances of the criteria are shown at the furthest downgradient monitor well.

- ND<0.1 Not detected above identified detection limit
- NI Not Identified
- NT Not Tested
- RSRs Remediation Standard Regulations
- NE Criterion not established
- CTDEP Connecticut Department of Environmental Protection

TABLE 17

ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT

Summary of Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results

	Date Collected	(Cis) 1,2-Dichloroethylene (ug/l)	(Trans) 1,2-Dichloroethylene (ug/l)	Trichloroethylene (ug/l)	Vinyl chloride (ug/l)	Chloroethane (ug/l)	Benzene (ug/l)	1,2,4-Trimethylbenzene (ug/l)	1,3,5-Trimethylbenzene (ug/l)	Acetone (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Chloroform (ug/l)	MTBE (ug/l)
LBG-MW-1	7/26/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	NT	ND<1	ND<1	ND<1	NT
	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-2	7/26/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	NT	ND<1	ND<1	ND<1	NT
	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-3	7/26/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	NT	ND<1	ND<1	ND<1	NT
	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-4A	8/21/02	ND<1	ND<1	ND<1	6	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-4B	8/21/02	61	ND<1	ND<1	560	12	ND<1	ND<1	ND<1	ND<10	1	ND<1	ND<1	NI
LBG-MW-4	7/26/02	11	ND<1	ND<1	440	14	ND<1	ND<1	ND<1	NT	1	ND<1	ND<1	NT
LBG-MW-4C	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-5	7/26/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	NT	ND<1	ND<1	ND<1	NT
	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-6	7/26/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	NT	ND<1	ND<1	ND<1	NT
	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	2	NI
LBG-MW-7A	8/21/02	340	1	27	220	ND<1	3	3	1	16	ND<1	ND<1	ND<1	NI
LBG-MW-7B	8/21/02	460	ND<1	45	150	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	2	NI
LBG-MW-8	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-9	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	2	NI
LBG-MW-10A	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-10B	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	1	NI

TABLE 17

**TABLE 17  
(continued)  
ENVIRONMENTAL SITE INVESTIGATION  
FORMER NEW HAVEN WATER COMPANY PROPERTY  
HAMDEN, CONNECTICUT**

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**Summary of Volatile Organic Compounds Plus Tentatively Identified Compounds Water-Quality Results**

	<b>Date Collected</b>	<b>(Cis) 1,2-Dichloroethylene (ug/l)</b>	<b>(Trans) 1,2-Dichloroethylene (ug/l)</b>	<b>Trichloroethylene (ug/l)</b>	<b>Vinyl chloride (ug/l)</b>	<b>Chloroethane (ug/l)</b>	<b>Benzene (ug/l)</b>	<b>1,2,4-Trimethylbenzene (ug/l)</b>	<b>1,3,5-Trimethylbenzene (ug/l)</b>	<b>Acetone (ug/l)</b>	<b>Xylene (ug/l)</b>	<b>Toluene (ug/l)</b>	<b>Chloroform (ug/l)</b>	<b>MTBE (ug/l)</b>
LBG-MW-11	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-12	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-13	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-14A	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	1	ND<1	ND<1	ND<10	1	7	1	NI
LBG-MW-14B	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	3	NI
LBG-MW-15A	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	<b>4</b>	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-15B	8/22/02	ND<1	ND<1	ND<1	<b>3</b>	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
LBG-MW-16	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	3
LBG-MW-17	8/21/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	ND<1	NI
HA-B107-OW	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	52	ND<1	ND<1	ND<1	NI
HA-B111-OW	8/22/02	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<10	ND<1	ND<1	<b>35</b>	NI
CTDEP RSRs Surface Water Protection Criteria		NE	NE	2,340	15,750	NE	710	NE	NE	NE	NE	4,000,000	14,100	NE
CTDEP RSRs Groundwater Protection Criteria		70	100	5	2	NE	1	350	350	700	530	1,000	6	100
CTDEP RSRs Residential Volatilization Criteria		NE	NE	219	2	NE	215	NE	NE	50,000	21,300	23,500	287	50,000

Note: Exceedances of the ground-water protection criteria are highlighted in bold. Numerical exceedances of the surface water protection criteria are not highlighted because no exceedances of the criteria are shown at the furthest downgradient monitor well.

ND<0.1 Not detected above identified detection limit

NE Criterion not established

NI Not Identified

CTDEP Connecticut Department of Environmental Protection

RSRs Remediation Standard Regulations

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**TABLE 18**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Summary of Landfill Leachate Indicators Water-Quality Results**

	<b>Date Collected</b>	<b>Total Alkalinity (mg/l)</b>	<b>Ammonia (mg/l)</b>	<b>Dissolved Iron (mg/l)</b>	<b>Dissolved Manganese (mg/l)</b>	<b>Nitrate (mg/l)</b>	<b>Potassium (mg/l)</b>	<b>Sodium (mg/l)</b>	<b>Sulfate (mg/l)</b>	<b>Sulfide (mg/l)</b>	<b>Total Dissolved Solids (mg/l)</b>	<b>Total Suspended Solids (mg/l)</b>	<b>B.O.D.(5-day) (mg/l)</b>
LBG-MW-1	8/21/02	420	6.83	10.8	4.88	ND<0.05	7.81	7.45	ND<0.2	ND<2	363	94	42
LBG-MW-2	8/21/02	120	1.56	0.251	0.797	ND<0.05	1.83	13.5	15.3	ND<2	187	10	9
LBG-MW-3	8/22/02	400	0.46	0.375	0.379	1.46	13.7	53.4	136	ND<2	706	5	4
LBG-MW-4A	8/21/02	220	0.4	ND<0.005	0.758	3.41	5.26	17	14.3	2.4	327	ND<0.5	4
LBG-MW-4B	8/21/02	220	5.73	0.774	1.72	0.12	4.23	15.4	22	2.8	230	67	77
LBG-MW-4C	8/21/02	210	1.51	0.041	2.26	ND<0.05	3.58	20.1	26.9	2.8	308	19	12
LBG-MW-5	8/21/02	150	2.92	5.95	0.903	ND<0.05	6.57	19.9	8.57	ND<2	221	157	18
LBG-MW-6	8/22/02	192	ND<0.1	0.078	0.02	2.2	2.57	11.9	21.7	3.2	109	3	6
LBG-MW-7A	8/21/02	550	16.9	17.3	2.42	ND<0.05	31.1	50.3	4.5	4	737	83	95
LBG-MW-7B	8/21/02	250	1.98	1.38	2.35	ND<0.05	6.99	27.7	21.6	ND<2	315	14	1
LBG-MW-8	8/22/02	124	3.37	0.517	1.49	ND<0.05	3.24	19.5	4.61	ND<2	208	4	14
LBG-MW-9	8/22/02	18	ND<0.1	0.05	0.029	2.8	2.36	8.79	20.3	ND<2	114	3	2
LBG-MW-10A	8/21/02	560	7.43	63	4.97	ND<0.05	26.4	123	2.55	ND<2	960	143	89
LBG-MW-10B	8/21/02	250	6.03	8	6.1	ND<0.05	12.9	33.9	27.8	ND<2	456	90	65
LBG-MW-11	8/21/02	250	4.91	0.806	3.34	0.1	10.9	12.9	ND<0.2	2.8	210	55	24
LBG-MW-12	8/22/02	220	1.96	12.5	0.623	ND<0.05	6.38	27.4	ND<0.2	4	365	101	33
LBG-MW-12 Duplicate	8/22/02	220	2.17	7.06	0.618	ND<0.05	6.39	27.4	5.66	7.2	379	100	24
LBG-MW-13	8/21/02	110	0.22	0.022	0.334	6.81	2.73	6.85	29.6	4	219	10	14
LBG-MW-14A	8/22/02	640	21.4	12	3.88	0.05	23.2	75.1	24.7	8	766	94	95
LBG-MW-14B	8/22/02	120	14.5	0.937	2.56	ND<0.05	9.18	77.7	95.9	ND<2	420	54	53
LBG-MW-15A	8/22/02	560	8.55	3.47	1.45	ND<0.05	12	12.6	ND<0.2	ND<2	606	75	65
LBG-MW-15B	8/22/02	180	5.82	4.32	0.54	ND<0.05	6.21	16.6	21.4	ND<2	280	32	23
LBG-MW-16	8/21/02	140	2.87	0.037	4.64	0.44	6.74	15.8	23.7	ND<2	238	2	12

**TABLE 18**  
**(continued)**  
**ENVIRONMENTAL SITE INVESTIGATION**  
**FORMER NEW HAVEN WATER COMPANY PROPERTY**  
**HAMDEN, CONNECTICUT**

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**Summary of Landfill Leachate Indicators Water-Quality Results**

	<b>Date Collected</b>	<b>Total Alkalinity</b> <b>(mg/l)</b>	<b>Ammonia</b> <b>(mg/l)</b>	<b>Dissolved Iron</b> <b>(mg/l)</b>	<b>Dissolved Manganese</b> <b>(mg/l)</b>	<b>Nitrate</b> <b>(mg/l)</b>	<b>Potassium</b> <b>(mg/l)</b>	<b>Sodium</b> <b>(mg/l)</b>	<b>Sulfate</b> <b>(mg/l)</b>	<b>Sulfide</b> <b>(mg/l)</b>	<b>Total Dissolved Solids</b> <b>(mg/l)</b>	<b>Total Suspended Solids</b> <b>(mg/l)</b>	<b>B.O.D.(5-day)</b> <b>(mg/l)</b>
LBG-MW-17	8/21/02	120	3.1	0.188	4.69	1.69	4.79	8.98	4.9	4.8	178	12	16
HAB-107-OW	8/22/02	68	1.84	0.066	ND<0.005	ND<0.05	4.67	51.4	96.2	2.4	582	37	23
HAB-111-OW	8/22/02	18	ND<0.1	0.037	0.008	4.04	1.65	11.3	16.6	2.4	85	17	1

ND<0.1 Not detected above identified detection limit

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