

**Table 8 – Soil Analytical Results
November 24, 2014**

Sample ID	B-1	B-3	RCS 1	RCS 2
Depth (feet)	10-12'	15-17'		
VPH				
C ₅ -C ₈ Aliphatics	< 1,000	< 20	100	500
C ₉ -C ₁₂ Aliphatics	2 000	150	1 000	3 000
C ₉ -C ₁₀ Aromatics	<1,000	150	100	500
Methyl tert-butyl ether	< 20	< 0.5	0.1	100
Benzene	190	< 0.2	2	200
Toluene	230	< 0.2	30	1 000
Ethylbenzene	23	< 0.2	40	1 000
Total Xylenes	320	< 0.4	100	100
Naphthalene	2 900	2.8	4	40
EPH				
C ₉ -C ₁₈ Aliphatics	< 200	NA	1 000	3 000
C ₁₉ -C ₃₆ Aliphatics	250	NA	3 000	5 000
C ₁₁ -C ₂₂ Aromatics	4 000	NA	1 000	3 000
Naphthalene	1 200	NA	4	20
2-Methynaphthalene	570	NA	0.7	80
Acenaphthylene	310	NA	1	10
Acenaphthene	34	NA	4	3 000
Fluorene	180	NA	1 000	3 000
Phenanthrene	550	NA	10	1 000
Anthracene	150	NA	1 000	3 000
Fluoranthene	180	NA	1 000	3 000
Pyrene	320	NA	1 000	3 000
Benzo(a)anthracene	87	NA	7	40
Chrysene	73	NA	70	400
Benzo[b]fluoranthene	80	NA	7	40
Benzo[k]fluoranthene	26	NA	70	400
Benzo[a]pyrene	110	NA	2	7
Indeno[1,2,3-cd]pyrene	38	NA	7	40
Dibenz[a,h]anthracene	11	NA	0.7	4
Benzo[g,h,i]perylene	50	NA	1 000	3 000

Results presented in milligrams per kilogram (mg/kg) or parts per million (ppm).
NA is not analyzed.
Compounds detected above Reportable Concentrations (RCS-1) are in bold.

Table 10 - Groundwater Analytical Data

Sample ID	MW-1	MW-2	MW-3	RCGW 1	RCGW 2
Date Sampled	12/1/14	12/1/14	12/1/14		
VPH					
C ₅ -C ₈ Aliphatics	<10,000	<10,000	910	300	3 000
C ₉ -C ₁₂ Aliphatics	<10,000	20 000	710	700	5 000
C ₉ -C ₁₀ Aromatics	<10,000	11 000	1,000	200	4 000
MTBE	<500	<500	<5	70	5 000
Benzene	16 000	400	15	5	1 000
Toluene	2,500	430	2.1	1 000	40 000
Ethylbenzene	510	7 000	2.8	700	5 000
Xylenes	1,150	6 300	15	3 000	3 000
Naphthalene	8 200	11 000	350	140	700
EPH					
C ₉ -C ₁₈ Aliphatics	610	NA	NA	700	5 000
C ₁₉ -C ₃₆ Aliphatics	1,500	NA	NA	14 000	50 000
C ₁₁ -C ₂₂ Aromatics	2,900	NA	NA	200	5 000
Naphthalene	3 100	NA	NA	140	700
2-Methynaphthalene	590	NA	NA	10	2 000
Acenaphthylene	130	NA	NA	30	40
Acenaphthene	35	NA	NA	20	6 000
Fluorene	91	NA	NA	30	40
Phenanthrene	230	NA	NA	40	10 000
Anthracene	59	NA	NA	30	30
Fluoranthene	79	NA	NA	90	200
Pyrene	110	NA	NA	20	20
Benzo(a)anthracene	35	NA	NA	1	1 000
Chrysene	38	NA	NA	2	70
Benzo[b]fluoranthene	24	NA	NA	1	400
Benzo[k]fluoranthene	<10	NA	NA	1	100
Benzo[a]pyrene	27	NA	NA	0.2	500
Indeno[1,2,3-cd]pyrene	13	NA	NA	0.5	100
Dibenz[a,h]anthracene	<10	NA	NA	0.5	40
Benzo[g,h,i]perylene	17	NA	NA	20	20

Results presented in microgram per liter (ugL) or parts per billion (ppb)

NA is not analyzed.

Compounds detected above RCGW-2 are in bold.

Taken from:

Draft Phase I/II Environmental Site Assessment, 284 Winter Street, Haverhill, MA, prepared by Lessard Environmental, Inc., dated December 2014.