

Summary of Analytical Data Surface Soil Sampling

118 Ruggles Street

New Bedford, Massachusetts

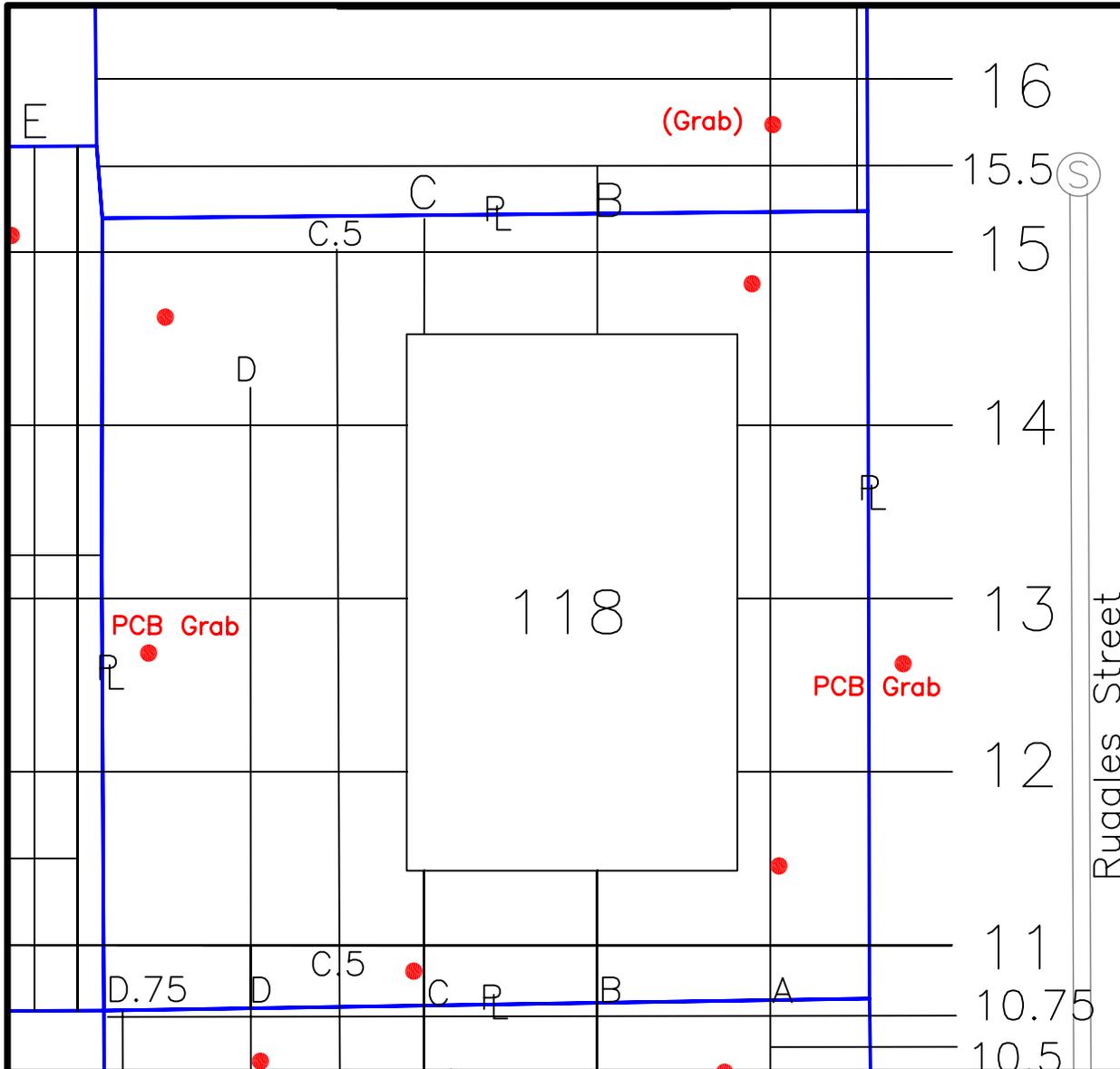


February 13, 2006

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Notes:

- - Sample Location
- 1. Three grab samples were composited from both the front and back yards and analyzed for RCRA 8 Metals and PAHs respectively.
- 2. One grab sample from each composite set was also analyzed for PCBs (locations identified on figure).
- 3. Additional grab samples from the 0-3" layer were composited for analysis of RCRA 8 Metals, PAHs, and PCBs due to observed indicators of fill material within the 0-6" soil layer. Sample locations are identical to 0-6" sample locations.

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Surface Sampling 0-6"
February 6, 2006

118 Ruggles Street

Scale: 1" = 20'

**118 Ruggles Street
Surface Samples
Polychlorinated Biphenyls (PCBs)**

Sample Identification	Depth	Date Sampled	Date Extracted	Date Analyzed	Total PCBs	PCB-1221	PCB-1232	PCB-1016/1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268
					(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					2.0	~	~	~	~	~	~	~	~
					100	~	~	~	~	~	~	~	~
118 Ruggles Front Comp 0-3"	0-3"	2/6/06	2/7/06	2/8/06	0.880	ND	ND	ND	ND	0.611	0.269	ND	ND
118 Ruggles Front 0-6"	0-6"	2/6/06	2/7/06	2/8/06	0.883	ND	ND	ND	ND	0.883	ND	ND	ND
118 Ruggles Rear 0-6"	0-6"	2/6/06	2/7/06	2/8/06	0.040	ND	ND	ND	ND	0.040	ND	ND	ND

S-1
UCL

NOTES:

- S-1 = Massachusetts Contingency Plan (MCP) Method 1 Soil Standard for category S-1 soil.
- (mg/kg) = milligrams per kilogram (parts per million (ppm))
- ND = Not detected above method detection limit

**118 Ruggles Street
Surface Samples
Polynuclear Aromatic Hydrocarbons (PAHs)**

	Naphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran (RCS-1 Soil Standard)	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(e)pyrene	Indene(1,2,3-cd)pyrene	Dibenz(a,h)anthracene (Dibenz(o,e,h)anthracene)	Benzo(g,h,i)perylene (Benzo(ghi)perylene)		
																			(ug/kg)	(ug/kg)
MADEP Background	100,000	500,000	100,000	1,000,000	100,000	1,000,000	1,000,000	1,000,000	1,000,000	700,000	700	700	700	7,000	700	700	700	1,000,000		
S-1 UCL	-	-	-	-	-	-	-	-	-	-	9,000	7,000	8,000	-	7,000	3,000	-	-		
UCL	10,000,000	10,000,000	10,000,000	10,000,000	-	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	100,000	400,000	100,000	400,000	100,000	100,000	100,000	10,000,000		
Sample Identification	Date Sampled	Date Analyzed																		
118 Ruggles Front Comp	2/6/06	2/11/06	17,000	6,300	890	6,200	6,200	8,600	59,000	11,000	50,000	50,000	20,000	17,000	6,100	12,000	14,000	6,200	3,300	6,400
118 Ruggles Front Comp 0-3"	2/6/06	2/10/06	170	ND	180	220	140	230	330	710	4,400	4,000	1,800	1,600	750	1,900	1,500	820	260	910
118 Ruggles Rear Comp	2/6/06	2/13/06	400	430	1,200	540	1,100	1,200	11,000	2,500	9,000	7,500	3,300	2,600	1,600	2,100	2,400	1,200	560	1,300

Notes:
 (ug/kg) = micrograms per kilogram (parts per billion (ppb))
 ND = not detected above method detection limit
 S-1 = Massachusetts Contingency Plan (MCP) Method 1 Soil Standard for category S-1 soil (with GW-2 Groundwater Standard).
 RCS-1 = Massachusetts Contingency Plan (MCP) Reportable Concentration Soil Standard for category S-1 soil. There is no S-1 Soil Standard listed in Section 40.0976(6) Tables 1 & 2.
 1 = Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil, MADEP, May 2002
value Bold font indicates concentration exceeding MCP S-1 Soil Standard
value Dark gray shading with italic, bold font indicates concentration exceeding Background Levels

**118 Ruggles Street
Surface Samples
RCRA 8 Metals**

		RCRA 8 Metals							
		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MADEP Background ¹ Regulatory Limit UCL	S-1	30	1,000	30	1,000	300	20	400	100
		20	50²	3	40	600	1	1	5
		~	~	~	~	~	~	~	~
		300	10,000	800	10,000	6,000	600	10,000	2,000
Sample Identification	Date Sampled								
118 Ruggles Front Comp 0-3"	2/6/06	6.22	170	1.51	22	388	0.511	1.09	ND
118 Ruggles Front Comp	2/6/06	5.2	149	1.38	19	307	0.631	0.82	ND
118 Ruggles Rear Comp	2/6/06	3.13	44	0.59	11	132	0.137	ND	ND
DUPLICATE 16 (118 Ruggles Rear Comp)	2/6/06	3.25	52	0.62	14	143	0.151	0.6	ND

NOTES:

S-1 = Massachusetts Contingency Plan (MCP) Method 1 Soil Standard for category S-1 soil (with GW-2 Groundwater Standard).

¹ = Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil, MADEP, May 2002

² = In the absence of fill-specific data the "natural" soil value has been adopted (refer to ¹)

(mg/kg) = milligrams per kilogram (parts per million (ppm))

ND = Not detected above method detection limit

value Bold font indicates concentration exceeding MCP S-1 Soil Standard